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NOTICES

Click on a topic be taken to the page where that topic is bookmarked in the main body of the document and you can read each funding opportunity listed under that topic. Home will get you back to this page where you can select another topic.

Current and archived newsletters can also be accessed on-line. Go to http://www.unmc.edu/vcr/fundingopportunities.htm

NOTICES

Pre-application Teleconference for RFA-MH-10-050 - Seeding National Mentoring Networks to Enhance Diversity of the Mental Health Research Workforce (U24)

New

NOT-MH-10-023

National Institute of Mental Health (NIMH)

The National Institute of Mental Health (NIMH) will hold a pre-application teleconference on Monday, June 21, 2010, from 3:00 p.m. to 4:00 p.m. (EDT) to which all prospective applicants are invited. This is a technical assistance teleconference conducted by NIMH staff involved in managing this program to explain the goals and objectives of this initiative and answer questions from attendees. The full funding opportunity announcement is available at http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-10-050.html. Participating in the teleconference is neither required nor necessary for a successful application. It is intended to be an opportunity to clarify the objectives of the initiative. Potential applicants are encouraged to submit their questions or comments to NIMH_Training@mail.nih.gov in advance of the call. Potential applicants interested in participating in the technical assistance call should send a message to the e-mailbox above to obtain the dial-in number no later than 5:00 p.m. (EDT), June 17, 2010.

Amount:

LOI:

Deadline: June 21, 2010

To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-MH-10-023.html

Key Words**:**

Notice of Intent to Publish a Request for Applications for Ancillary Studies to Large Ongoing Clinical Projects (R01) and (R21)

New

NOT-AR-10-037 andNOT-AR-10-038

National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)

The National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), intends to reissue a Request for Applications (RFA) to solicit applications for Ancillary Studies to Large Ongoing Clinical Projects (http://grants.nih.gov/grants/guide/rfa-files/RFA-AR-10-010.html). This RFA solicits applications that propose to conduct time-sensitive ancillary studies related to the NIAMS mission in conjunction with privately or publicly funded, large, ongoing clinical projects. The ongoing “parent” project can be a large clinical trial or observational study, or a disease registry that can provide a sufficient cohort of well-characterized patients, infrastructure, data, and biological samples. Applications submitted in response to this FOA will undergo an accelerated review and award process. Each application must include a timeline to demonstrate that the parent project has adequate time left to accommodate the proposed ancillary study. In addition, it must justify the time-sensitive nature of the ancillary study and the need for an expedited review and award process. It must also document permission from the parent project to use the patient cohorts, data, and biological materials. The objective of this FOA is to provide a flexible mechanism to leverage established resources and maximize the return on existing investments in parent projects. Successful ancillary studies will enhance the scientific content and value of the parent projects, improve the research community’s understanding of a disease or organ system in the NIAMS portfolio, and thus identify novel targets for diagnosis, treatment, and prevention of disease.

Amount:

LOI:

Deadline: Released June 3, 2010

To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-AR-10-037.html and http://grants.nih.gov/grants/guide/notice-files/NOT-AR-10-038.html

Key Words**:**

Administrative Supplements to Increase Public Awareness of Pediatric Cancers and Available Treatments and Research

New

NOT-CA-10-026

National Cancer Institute (NCI)

The National Cancer Institute (NCI) announces the availability of administrative supplements to NCI-funded research grants that address and/or are relevant to public awareness of cancers in children, adolescents, and young adults. The enactment of the Caroline Pryce Walker Conquer Childhood Cancer Act of 2008 gave the Secretary, Department of Health and Human Services (HHS), authority to award grants to increase public awareness of pediatric cancers and available treatments and research. The NCI was designated by HHS to award and administer these grants.

Amount: $250,000

LOI: Released June 4, 2010

Deadline: July 16, 2010

To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-CA-10-026.html

Key Words**:**

Department of Defense Spinal Cord Injury Research Program
Clinical Trial Award - Rehabilitation
Translational Research Partnership Award
Investigator-Initiated Research Award
Investigator-Initiated Focused Research Award
New
Department of Defense (DOD)
The Fiscal Year 2010 (FY10) Defense Appropriations Act provides $11.25 million to the Department of Defense (DOD) Spinal Cord Injury Research Program (SCIRP) to promote innovative research into regenerating damaged spinal cords, arthritis research, and improving rehabilitation therapies that offer real promise for enhancing long-term care of wounded soldiers. The SCIRP challenges the scientific community to design innovative research that will foster new directions for and address neglected issues in the field of SCI-focused research.
The vision of the SCIRP is to advance the understanding of spinal cord injury and ameliorate its consequences. This program is administered by the US Army Medical Research and Materiel Command through the Office of the Congressionally Directed Medical Research Programs (CDMRP).
Amount:
LOI:
Deadline: released June 4, 2010
To learn more**:** http://cdmrp.army.mil/pubs/press/2010/10scirppreann.shtml
Key Words**:**

Department of Defense Autism Research Program
U.S. Army Medical Research

The FY09 ARP encourages proposals that specifically address critical needs of the Autism Spectrum Disorders (ASD) community in the following areas (Revised for FY09):
· Co-morbidity: (e.g., manifestations such as disorders [gastrointestinal, sleep, behavioral, speech/language], psychiatric, seizures, immune dysfunction, motor and sensory deficits, metabolic dysfunction, and effects of ASD on intellectual ability)
· Predictors for Treatment Outcomes: Identification of biomarkers, clinical characteristics, or other phenotypic markers that predict outcomes of a treatment, or populations that will or will not respond to a treatment (traditional or complementary and alternative)
FY09 ARP program announcements and application instructions for the following award mechanisms are anticipated to be posted and available on Grants.gov in February 2009.
Amount: $750,000
LOI: pre-application required
Deadline: posting early February
To learn more**:** http://cdmrp.army.mil
Key Words**: Autism, Autism Spectrum Disorders, ASD**

NIH Expands Provisions of the Streamlined Noncompeting Award Process (eSNAP) and Requires Electronic Submission of SNAPs Beginning August 1, 2010
NOT-OD-10-093
National Institutes of Health (NIH)
The eRA electronic Streamlined Non-competing Award Process (eSNAP) enables grantees to submit an electronic version of the SNAP Type 5 (non-competing) progress report through the eRA Commons. Grantees should refer to the Notice of Award (NoA), under Section II Terms and Conditions, to determine whether SNAP provisions apply to a particular award. In general this streamlined process applies to all R series grant activity codes except for Outstanding Investigator Grants (R35s), Phase 1 Small Business Innovation Research Grants (R43) and Phase 1 Small Business Technology Transfer Grants (R41). For Phase I SBIR/STTR awards that exceed one year and Phase II SBIR/STTR, grantees should review the NoA to determine if their project is subject to or excluded from the SNAP provisions. Career award activity codes (Ks) are also routinely covered under SNAP. Those activity codes routinely excluded from SNAP are generally those that do not have the authority to automatically carry over unobligated balances (centers, cooperative agreements, institutional training including Kirschstein-NRSA grants, non-Fast Track Phase I SBIR and STTR awards), clinical trials (regardless of activity codes), Program Project Grants (P01s) and Outstanding Investigator Grants (R35s).
Amount:
LOI:
Deadline: August 1, 2010
To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-OD-10-093.html
Key Words**:**

Enhancing Peer Review: Expectation for Service on NIH Peer Review and Advisory Groups
NOT-OD-10-089
National Institutes of Health (NIH)
The NIH peer review system (http://grants.nih.gov/grants/peer_review_process.htm) is the foundation of the NIH extramural research enterprise, and its continued excellence depends on our ability to recruit and retain the most accomplished, broad-thinking and creative scientists and experts to serve as peer reviewers. Such qualified individuals are needed to serve on Scientific Review Groups (or "study sections") in the initial peer review of applications for funding and R&D contract proposals. In addition, such qualified individuals are needed to serve on NIH National Advisory Boards or Councils, which perform the second level review of applications for funding and provide advice and recommendations on matters of significance to the policies, missions, and goals of the IC they advise.
Individuals who possess expertise in areas supported by the NIH and who wish to volunteer to serve in the NIH peer review process should send an email to the Enhancing Peer Review mailbox (EnhancingPeerReview@mail.nih.gov) with a brief description of their areas of expertise and a copy of their biosketch.
Amount:
LOI:
Deadline:
To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-OD-10-089.html
Key Words**:**

Instructions for Completion and Technical Evaluation of the Vertebrate Animal Section (VAS) in NIH Contract Proposals
NOT-OD-10-049
National Institutes of Health (NIH)
This Notice is to clarify the information that must be included in a separate section of the Technical Proposal titled the Vertebrate Animal Section (VAS) of contract proposals for biomedical and behavioral Research and Development (R&D), research training, and biological testing activities that use live vertebrate animals. It also explains how the VAS is evaluated as part of the NIH technical evaluation process for award of a contract. Distinction is made between the oversight role of the Institutional Animal Care and Use Committee (IACUC) and review responsibility of the NIH Scientific Review Group (SRG).
Amount:
LOI:
Deadline: Released April 19, 2010
To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-OD-10-049.html
Key Words**:**

Request for Information: Scientific and Regulatory Issues to be Explored at an Upcoming Pluripotent Stem Cell Workshop involving NIH and FDA
NOT-NS-10-016
National Institutes of Health (NIH)
The National Institutes of Health (NIH) and the Food and Drug Administration (FDA) are proposing a series of workshops that will engage the broader research community regarding requirements necessary for translation of pluripotent stem cell-derived products into the clinic. The purpose of this RFI is to solicit information that will be useful in developing the first workshop which will focus on establishment of pluripotent stem cell lines and banks, manufacturing for early phase clinical trials, manufacturing for commercial production, and characterization of human stem cell-derived products.
Amount:
LOI:
Deadline: Response due by: July 16, 2010
To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-NS-10-016.html
Key Words**:**

Request for Information (RFI): Large Scale Clinical Trials on Aging
NOT-AG-10-005
National Institute on Aging (NIA)
The Division of Geriatrics and Clinical Gerontology (DGCG) at the National Institute on Aging (NIA) supports clinical trials on topics relating to aging and the elderly. Researchers with interest in trials whose direct costs are less than $2 million per year are encouraged to contact the Clinical Trials Branch staff at gcgquery@mail.nih.gov. DGCG also invites suggestions from the scientific community regarding needs for large (over $2 million direct and/ or over $3 million total costs per year) clinical trials in topic areas relevant to DGCG's mission. NIA will use your suggestions in its planning process to select high priority topic areas in which significant existing

knowledge indicates the need for large clinical trials to provide more definitive information on risks and benefits of interventions for diseases and conditions in the elderly.
Amount:
LOI:
Deadline: Respond by September 3, 2010
To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-AG-10-005.html
Key Words**: Geriatrics, Clinical Gerontology, Clinical Trials, Age-Related Decline, Age-Related Conditions, Interventions**

NIGMS Administrative Supplements for Collaborative Science

NOT-GM-08-130
National Institute of General Medical Sciences (NIGMS)
The National Institute of General Medical Sciences (NIGMS) announces the availability of funds for administrative supplements to NIGMS-funded research projects. These funds are intended to enhance ongoing research by stimulating and supporting new multidisciplinary collaborations among NIGMS grantees and other members of the scientific community. Collaborations that bring together ideas and approaches from disparate scientific disciplines are particularly encouraged, as are those involving individuals from groups that are currently underrepresented in the biomedical sciences. These collaborative activities must be within the scope of the approved aims of the parent award, and are expected to provide novel scientific approaches to the research plan for the NIGMS grantee and collaborators.
Amount: $135,000
LOI: N/R
Deadline: December 15, 2010; March 15, 2011; June 15, 2011.
To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-GM-08-130.html
Key Words**: Supplemental Funding, Administrative Support, General Science, Under-represented Scientists**

Request for Information (RFI): Priorities for Transgenerational Research

NOT-ES-10-010
National Institute of Environmental Health Sciences (NIEHS)
National Toxicology Program (NTP)
National Institute of Environmental Health Sciences (NIEHS) Division of Extramural Research and Training (DERT)
The NIEHS is seeking input from the scientific community, health professionals, patient advocates, community-based organizations, students, and the general public about current and emerging priorities in transgenerational (TG) research that offer the greatest potential for improving the nation's health and well-being. This input will inform the NIEHS' strategic planning process and help the NIEHS meet its mission of pursuing opportunities for improving the environmental health of the American people.
Amount:
LOI:
Deadline: Response Date June 30, 2010
To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-ES-10-010.html
Key Words**:**

Frequently Asked Questions (FAQ) for: Centers of Research Translation (CORT) (P50) RFA-AR-11-002

NOT-AR-10-035
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)
The purpose of this notice is to alert potential applicants that NIAMS has posted a set of answers to Frequently Asked Questions (FAQ) regarding applications for "Centers of Research Translation" in response to RFA-AR-11-002 (P50) http://grants.nih.gov/grants/guide/rfa-files/RFA-AR-11-002.html.
The FAQ is available on the NIAMS Web site at http://www.niams.nih.gov/Funding/Funding_Opportunities/CORT_FAQs.pdf. All applicants are encouraged to review the FAQ prior to submitting their application. We anticipate updating the FAQ page as needed and recommend that applicants check back for updates to the FAQ regularly until their submission date.
Amount:
LOI:
Deadline:
To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-AR-10-035.html
Key Words**:**

NIAID Announces Two FOAs of Similar Scope with Differing Approaches

NOT-AI-10-029
National Institute of Allergy and Infectious Diseases (NIAID)
The purpose of this Notice is to inform the community of two Funding Opportunity Announcements (FOAs) of similar overall scientific scope but with different approaches;

Consortia for AIDS Vaccine Research in Nonhuman Primates (P01) RFA-AI-10-004 invites Program Project applications to establish a collaborative, multidisciplinary research program to investigate viral and host events that occur at the earliest stages of mucosal infection of nonhuman primates (NHP) with simian immunodeficiency virus (SIV), primarily but not exclusively in cervico-vaginal models of SIV infection of macaques, and to identify vaccines and vaccine-induced immune responses that can block initial infection, prevent establishment of systemic infection, or significantly reduce pathogenic effects of SIV infection.
Mechanisms and Prevention of Sexual Transmission of HIV/SIV (R01) RFA-AI-10-001, is soliciting applications using the NIH Research Project (R01) mechanism. This FOA invites Research Project applications to enhance the understanding of early events in mucosal transmission of HIV/SIV leading to the discovery of novel mechanism(s) of virus transmission, host cell-virus interaction and to advance new concepts for HIV prevention strategies/approaches focused on the development of new conventional or outside-the-box approaches to vaccines and non-vaccine biomedical prevention strategies for optimizing mucosal protection against HIV/SIV. Applicants are urged to apply to one or the other FOA, but not both.
Amount:
LOI:
Deadline: Released April 23, 2010
To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-AI-10-029.html
Key Words**:**

RFP ANNOUNCEMENT: Nonhuman Primate Major Histocompatibility Complex Gene Discovery and Typing Technology Development: BAA-NIAID-DAIT-NIHAI2010093
NOT-AI-10-026
National Institute of Allergy and Infectious Diseases (NIAID)
Research supported and conducted by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), strives to better understand, treat, and ultimately prevent immunologic, infectious, and allergic diseases The NIAID Division of Allergy, Immunology, and Transplantation intends to issue a Broad Agency Announcement (BAA-NIAID-DAIT-NIHAI2010093) entitled "Nonhuman Primate Major Histocompatibility Complex Gene Discovery and Typing Technology Development".
NHPs approximate the human in physiology, immunology, and genetics more closely than other animals and, therefore, are often the preferred models to: 1) evaluate the safety and efficacy of candidate vaccines against human pathogens; 2) develop and evaluate immune-based therapeutic strategies to prevent graft rejection and graft versus host disease in cell and organ transplantation; and 3) study the pathogenesis of, and evaluate novel immune-based therapies for infectious and immune-mediated disease.
Amount:
LOI:
Deadline: July 13, 2010
To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-AI-10-026.html
Key Words**:**

New NIAID Policy: Investigator-Initiated Clinical Trials
NOT-AI-10-024
National Institute of Allergy and Infectious Diseases (NIAID)
NIAID will support implementation of investigator-initiated clinical trials through milestone driven research project grants (R01) and cooperative agreements (U01). Determination of the appropriate instrument is based on the assessment of risk as delineated in the NIAID-specific criteria stated below. Clinical trial planning grants (R34) are no longer always required, but are available as an option to investigators proposing all investigator-initiated clinical trials. If it can be demonstrated that sufficient planning has occurred such that the trial is ready to move forward to implementation, as defined by NIAID-specific criteria, direct submission of the implementation R01 or U01 is permitted.
Pre-approval from NIAID is required for submission of an application for the R34 planning grant, the U01 implementation cooperative agreement or the R01 implementation grant; this requirement applies to both new and resubmission applications. NIAID staff will consider whether the proposed clinical trial meets the goals and mission of the Institute and whether it is appropriate to conduct it as an investigator-initiated clinical trial, but will not evaluate the technical and scientific merit of the proposed trial. Technical and scientific merit will be determined during peer review. Applicants whose projects do not meet NIAID's programmatic needs or are not appropriate as investigator-initiated clinical trials, will not be granted permission to submit an application.
see notice for further details...
Amount:
LOI:
Deadline:
To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-AI-10-024.html
Key Words**:**

BAA ANNOUNCEMENT: Targeted Clinical Trials to Reduce the Risk of Antimicrobial Resistance - BAA NIAID-DMID-NIHAI2010089
NOT-AI-10-020

National Institute of Allergy and Infectious Diseases (NIAID)
The National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), of the Department of Health and Human Services (DHHS) supports research related to the basic understanding of microbiology and immunology leading to the development of vaccines, therapeutics, and medical diagnostics for the prevention, treatment, and diagnosis of infectious and immune-mediated diseases. The NIAID, Division of Microbiology and Infectious Diseases has an interest in identifying innovative approaches to effectively treat bacterial infections with antimicrobials that minimize the development of drug resistance.
This BAA targets infectious diseases where improved treatment strategies could reduce the risk of antimicrobial resistance and preserve the effectiveness of existing antimicrobials. A central goal of this solicitation is to target disease areas experiencing the greatest antimicrobial selective pressure, and within these areas, develop strategies that test the safety and effectiveness of different therapeutic approaches/regimens that reduce the probability of the emergence of drug resistance by minimizing unnecessary drug exposure.
Contracts to be awarded under this BAA will support the design and conduct of Phase II, Phase III, and/or Phase IV clinical trials of new strategies to optimize the use of licensed, off-patent antimicrobial agents and reduce the risk of antimicrobial resistance in selected infectious diseases. [Note: Pivotal clinical trials primarily to change product label or package insert (such as new indications) will not be supported. See Exceptions listed below.] Clinical trials must be conducted in locations experiencing the antimicrobial resistance issues identified in the offeror's proposal. Strategies including the use of licensed antimicrobial therapies still on-patent will be considered if the therapies are firmly established in the local standard of care.
For the purposes of this BAA, the disease areas that may be supported under this BAA are limited to the following infections: Pneumonia, Bacteremia, Tuberculosis (pulmonary), and Non-tuberculous mycobacterial (NTM) lung infections in HIV negative persons. Both community-associated and hospital-associated infections in these disease areas are eligible.
Amount: TBD
LOI: N/R
Deadline: July 30, 2010
To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-AI-10-020.html
Key Words**: Tuberculosis, Lung Infections, Pneumonia, Bacteremia**

Amendment: PAR-08-206 Investigations on Primary Immunodeficiency Diseases (R01) to Accept Renewals and Update Contact Information

NOT-AI-10-012
National Institute of Allergy and Infectious Diseases (NIAID)
The purpose of this Notice is to announce two changes in PAR-08-206 entitled "Investigations on Primary Immunodeficiency Diseases (R01) http://grants.nih.gov/grants/guide/pa-files/PAR-08-206.html:
NIAID is now allowing renewals and resubmissions to this FOA. If a "resubmission" application is submitted, a one-page "Introduction" is required addressing the previous peer review critique.
A new IC contact is being identified.

New contact information:
David R. Johnson, Ph.D.
Division of Allergy, Immunology and Transplantation
National Institute of Allergy and Infectious Diseases
Room 6714-B, MSC-6601
6610 Rockledge Drive
Bethesda, MD 20892-6601
Telephone: (301) 496-7104
Fax: (301)-480-1450
Email: : drjohnson@niaid.nih.gov

All other aspects of this FOA remain unchanged.
Amount:
LOI:
Deadline: Release Date March 11, 2010
To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-AI-10-012.html
Key Words**: Immunodeficiency Diseases**

Notice of Intent to Publish Request for Applications for the Blood and Marrow Transplant Clinical Trials Network (U10) and Data Coordinating Center (U10)

NOT-HL-10-107 and NOT-HL-10-108
National Heart, Lung, and Blood Institute (NHLBI)
The National Heart, Lung, and Blood Institute (NHLBI) intends to issue a Funding Opportunity Announcements (FOA) titled: "Blood and Marrow Transplant Clinical Trials Network (BMT CTN) – Core Clinical Centers (U10)" . The goal of this initiative is to support a cooperative, multicenter clinical program that promotes efficient comparison of novel treatment and management approaches for the potential benefit of children and adults undergoing hematopoietic stem cell transplantation. Core Clinical Centers are expected to identify areas of scientific need, and to develop and participate in new Phase II and Phase III clinical trials designed to improve

transplant outcomes and change clinical practice. The Data Coordinating Center is expected to bring scientific, technical, and administrative expertise for the full range of activities needed to support the conduct of new multicenter trials in hematopoietic stem cell transplantation. The Data Coordinating Center will manage protocol dollars for all sites enrolling subjects on BMT CTN trials.
Amount:
LOI:
Deadline:
To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-HL-10-107.html and http://grants.nih.gov/grants/guide/notice-files/NOT-HL-10-108.html
Key Words**:**

Change in Receipt Date for NCCAM T32 and T35 Applications
NOT-AT-10-004
NOT-AT-10-005
National Center for Complementary and Alternative Medicine (NCCAM)
This Notice is to inform potential applicants that the National Center for Complementary and Alternative Medicine (NCCAM) is changing, effective immediately, the single, annual receipt date for all NCCAM-assigned T32 applications from May 25th to January 25th commencing with the January 25, 2011 receipt date. Applications will not be accepted for May 25, 2010. All other aspects of the FOAs remain unchanged including the expiration date.
Amount:
LOI:
Deadline: Released April 19, 2010
To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-AT-10-004.html and http://grants.nih.gov/grants/guide/notice-files/NOT-AT-10-005.html
Key Words**:**

Notice of Intent to Publish Request for Applications for the Barretts Esophagus Translational Research Network (BETRNet) Research Centers and Coordinating Center
NOT-CA-10-021 and NOT-CA-10-022
National Cancer Institute (NCI)
The Division of Cancer Prevention and the Division of Cancer Biology of the National Cancer Institute announce the forthcoming new initiative to fund the Barrett's Esophagus Translational Research Network (BETRNet). BETRNet will be a new cooperative network of Translational Research Centers focusing on studies of esophageal adenocarcinoma carcinogenesis and prevention and the association between Barrett's esophagus and esophageal adenocarcinoma. The BETRNet will consist of up to four Translational Research Centers (TRCs) and a single Coordinating Center (CC).
Funding Opportunity Announcements (FOAs) for the BETRNet TRCs and the BETRNet CC are expected to be published in the NIH Guide for Grants and Contracts in the summer of 2010.
A parallel Notice of Intent to Publish (NOT-CA-10-022) covers the funding set-aside and other expected attributes for the CC award.
Amount:
LOI:
Deadline:
To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-CA-10-021.html and http://grants.nih.gov/grants/guide/notice-files/NOT-CA-10-022.html
Key Words**:**

Amendments to PAR-10-165, The National Cancer Institute (NCI) Cancer Education and Career Development Program (R25)
NOT-CA-10-023
National Cancer Institute (NCI)
This Notice is to inform the scientific community about corrections to Program Announcement PAR-10-165. Specific changes are as follows:
Executive Summary
Budget and Project Period: The total project… may not exceed five years. Although the size of award may vary with the scope of the research education program proposed, the direct costs per annum requested in application will stay below $500,000. In addition, the direct cost for year one of new (i.e., Type 1) applications, during which no participant costs are allowed, must stay below $100,000.
Section II. Award Information, 2. Funds Available
The total project… may not exceed five years. Although the size of award may vary with the scope of the research education program proposed, the direct costs per annum requested in application will stay below $500,000. In addition, the direct cost for year one of new (i.e., Type 1) applications, during which no participant costs are allowed, must stay below $100,000.
Participant Costs:

Beginning with the May 25, 2010 submission date, participant costs will not be allowed for the first year of any new (i.e., Type 1) application. Year 1 funds for new (Type 1) applications may be requested for curriculum and program planning only. The direct cost for year one of new (i.e., Type 1) applications must stay below $100,000.
Pre-doctoral participants may receive salary support up to $22,000 per year and $20,000 per year for research and development support.
Within the $500,000/year direct cost budget cap, the NCI will support up to $100K per year in direct costs to cover the following expenses:
Amount:
LOI:
Deadline: Released April 23, 2010
To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-CA-10-023.html
Key Words**:**

Request for Proposals (RFP): Repository of Mouse Models for Cytogenetic Disorders
NOT-HD-10-004
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), Center for Developmental Biology & Perinatal Medicine (CDBPM) has a requirement for a repository to develop and maintain mouse models of genetic diseases. The objective of this contract will be to produce, maintain, and distribute aneuploid mice with a primary emphasis on chromosome 16 as a model of human trisomy for chromosome 21.
If selected for this requirement, the Contractor will breed mice and refine methodologies to produce the various strains of mice and to maintain their genetic fidelity.
The work will involve the following essential activities: 1) Maintenance of the "Repository for Mouse Models of Cytogenetic Disorders" or "Cytogenetic Resource;" 2) Breed various strains of mice with known genetic background, which will produce chromosomally unbalanced gametes, resulting in trisomic and monosomic embryos with special emphasis on chromosome 16, but including relevant regions of chromosome 17 and chromosome 10; 3) Refine procedures to cryopreserve embryos that will be rescued by thawing and re-implanting them in pseudo-pregnant mice; 4) Distribute the animal models to qualified investigators approved by the NICHD; 5) Test the animals periodically for pathogens; 6) Publicize the availability of mouse models indicating the type of strains in the colony as well as detailed information about the strain phenotype, genotype, protocols for genotyping, husbandry conditions, and other details as specified by the Project Officer; 7) Characterize the clinical and behavioral phenotype of the mouse models to ensure integrity of the strains, especially for any new strains offered by the Contractor or as specified by the Project Officer.
Amount:
LOI:
Deadline: Released April 23, 2010
To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-HD-10-004.html
Key Words**:**

UPDATE TO RFA-AE-10-001: OS Recovery Act Limited Competition: Accelerating Adoption of Comparative Effectiveness Research Results by Providers and Patients (R18) - Announcing Additional Funds Availability and Clarifying Eligible Institutions/Organizations
NOT-AE-10-001
Department of Health and Human Services (DHHS)
American Reinvestment and Recovery Act of 2009 (ARRA)
In January, 2010, ASPE announced the availability of funds under the American Recovery and Reinvestment Act of 2009 (ARRA) for strategies for accelerating the adoption of comparative effectiveness research (CER) results by providers and patients (RFA-AE-10-001). Since then, additional funds have been made available for this RFA in order to allow for the funding of 1 to 3 additional meritorious proposals, thus broadening the impact of this critical component of the CER enterprise. These additional funds will lead to a greater understanding of "best practices" for the adoption of CER by both providers and patients. In addition, ASPE is clarifying additional eligible institution/organization characteristics.
This Notice serves to notify potential applicants of the following changes or clarifications related to the Funds Available and Eligible Institutions/Organizations:
Funds Available and Anticipated Number of Awards. Using funds provided by the Office of the Secretary of the Department of Health and Human Services, ASPE now intends to commit $17,000,000 for use under this FOA. We anticipate that 6 to 10 awards will be made for fiscal year 2010, pending the number and quality of applications and availability of funds.
Eligible Institutions/Organizations. Eligible institutions or organizations with the following characteristics may include the following:
Integrated health care systems
Integrated provider systems
Academic Medical Centers
Provider consortia
Community Health Center Networks
Private payers

Other non-governmental organizations that administer or directly provide health care services
Organizations that serve health care consumers
University-based school (e.g. School of Public Policy or Public Health)
Private research institutes
Amount:
LOI:
Deadline:
To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-AE-10-001.html
Key Words**:**

Cognitive Rehabilitation Clinical Trial Award
Department of Defense (DoD)
Congressionally Directed Medical Research Programs (CDMRP)
Award is intended to support the rapid implementation of clinical trials to assess the efficacy of cognitive rehabilitative therapy for members or former members of the Armed Forces.
Amount: $2,000,000
LOI: Yes
Deadline: Requests for email notification of the release of this program announcement when available may be sent to cdmrp.publicaffairs@amedd.army.mil
To learn more**:** http://cdmrp.army.mil/
Key Words**: TBI, Traumatic Brain Injury, Cumulative Concussions, Information Technology Devices, Nutritional Supplements, Rehabilitation, Polytrauma**

Alcohol, Drugs or Abuse and/or Smoking

Collaborative R01s for Clinical and Services Studies of Mental Disorders, AIDS and Alcohol Use Disorders (R01)
PAR-09-153
NIH – Multiple Institutes
The National Institute of Mental Health (NIMH) and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) seek to support collaborative intervention trials in the treatment, prevention or rehabilitation of those with mental disorders and alcohol use disorders and comorbid mental disorders. Support is also provided for other collaborative clinical studies, including but not limited to mental health services research, AIDS, genetics, psychopathology, stigma, and cultural and social processes. This Funding Opportunity Announcement (FOA) should be used when two or more sites are needed to complete the study. Accordingly, the collaborating studies share a specific protocol across the sites and are organized as such in order to increase sample size, accelerate recruitment, or increase sample diversity and representation. In studies with a large number of sites, it is expected that one site will be submitted as a coordinating site for data management and/or other centralized administration. For a linked set of collaborative R01s, each site has its own Project Director/Principal Investigator and the program provides a mechanism for cross-site coordination, quality control, database management, statistical analysis, and reporting.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-153.html
Key Words**: Alcohol Abuse, Mental Disorders, Comorbid Mental Disorders**

Design, Synthesis, and Preclinical Testing of Potential Treatment Agents for Drug Addiction (R01)
PAS-08-041
NIH
The National Institute on Drug Abuse (NIDA) invites research applications aimed at design, synthesis, and preclinical testing of potential treatment agents for drug addiction and/or relapse prevention. Recent advances in molecular neurobiological mechanisms underlying drug addiction provide a basis for development of new therapeutic targets and chemical entities to treat and prevent relapses of drug addiction.
Amount: $150,0000
LOI: N/R
Deadline: multiple, see link; continuous
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAS-08-041.html
Key Words**:**

Genetic Epidemiology of Substance Use Disorders (R03)
PA-07-414
National Institutes of Health (NIH)
The National Institute on Drug Abuse (NIDA) and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) seek to stimulate and expand research applying genetic epidemiologic methods to studies of substance and alcohol use disorders (SUDs/AUD, drug or alcohol abuse and dependence). Previous studies using twin, adoption, and family approaches indicate that genetic factors substantially contribute to the vulnerability to SUDs/AUD. Shared environmental factors have also been shown strongly to influence risk, particularly for the onset of substance and alcohol use, while heritability estimates generally rise with age and with progression from substance use to disorder. Significant advances have been made in our understanding of the developmental nature of the onset and progression of SUDs/AUD and in defining a disinhibited phenotype. Building on these findings, new studies are needed to apply genetic epidemiologic approaches to advance our understanding of a variety of developmental trajectories of SUD/AUD; integrate as well as differentiate genetic, environmental, and developmental factors in the onset and maintenance of SUD/AUD; broaden and refine phenotypic definitions of SUDs/AUD; guide the translation of etiologic findings to treatment, prevention, gene-finding and molecular studies; and meet the methodologic challenges of the field.
Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants1.nih.gov/grants/guide/pa-files/PA-07-414.html
Key Words**: Addictions, Alcohol or Alcoholism, Alcoholism Prevention, Genetics, Substance Abuse, Substance Abuse Prevention**

Health Services Research on the Prevention and Treatment of Drug and Alcohol Abuse [(R01) PA-08-263] and [(R21) PA-08-264] and [(R03) PA-08-265
PA-08-263 and PA-08-264 or PA-08-265
National Institutes of Health (NIH)
This Funding Opportunity Announcement (FOA) issued by the National Institute on Drug Abuse (NIDA) and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) encourages Research Project Grant (R01) applications on health services research to improve the quality of prevention and treatment services for drug and alcohol abuse. Such research projects might emphasize any of the following subjects: (1) clinical quality improvement; (2) organizational/managerial quality improvement; (3) systems of care and collaborative research; or (4) development or improvement of research methodology, analytic approaches, and measurement instrumentation used in the study of drug and alcohol services. -Mechanism of Support. This FOA will utilize the NIH Research Project Grant (R01) award mechanism and runs in parallel with FOAs of identical scientific scope, PA-08-264 and PA-08-265 that encourage applications under the Exploratory/Developmental Grant (R21) and Small Research Grant (R03) award mechanisms, respectively.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-263.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-264.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-265.html
Key Words**: Drug Addiction, Treatment Plans, Drug and Alcohol Services**

Economics of Treatment and Prevention Services for Drug & Alcohol Abuse [(R03) PA-08-172] and [(R21) PA-08-173] and [(R01) PA-08-174]
PA-08-172 and PA-08-173 or PA-08-174
National Institute on Drug Abuse
National Institute on Alcohol Abuse and Alcoholism
This Funding Opportunity Announcement (FOA) issued by the National Institute on Drug Abuse (NIDA) and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) encourages Research Project Grant (R03) applications on the economics of prevention and treatment services for drug and alcohol abuse. Such research projects might emphasize any of the following subjects: (1) financing and purchasing of drug and alcohol treatment and prevention services, including studies of health insurance and payment mechanisms; (2) economic incentives used to improve the quality and economic efficiency of treatment and prevention services (3) alternative delivery systems and managed care; (4) cost-benefit, cost-effectiveness, or cost-utility analyses; (5) service costs, production, and economic efficiency; and (6) research to develop or improve methods to be used in the economic study of drug and alcohol services The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.
Amount: $50,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-172.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-173.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-174.html
Key Words**: Alcoholism, Epidemiology**

Women and Sex/Gender Differences in Drug and Alcohol Abuse/Dependence (R01), (R21), and (R03)
PA-07-329, PA-07-330, and PA-07-331
National Institute on Drug Abuse (NIDA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
The purpose of this Funding Opportunity Announcement (FOA) is to promote research on women and sex/gender differences in drug/alcohol abuse and dependence.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-07-329.html and http://grants.nih.gov/grants/guide/pa-files/PA-07-330.html and http://grants.nih.gov/grants/guide/pa-files/PA-07-331.html
Key Words**: Gender Differences, Substance Abuse, Dependence**

Accelerating the Pace of Drug Abuse Research Using Existing Epidemiology, Prevention, and Treatment Research Data (R01)
PAR-10-018
National Institute on Drug Abuse (NIDA)
National Cancer Institute (NCI)
Office of Behavioral and Social Science Research (OBSSR)
The National Institute on Drug Abuse (NIDA) and the National Cancer Institute (NCI) invite applications to support the innovative analysis of existing social science and behavioral data to study the etiology and epidemiology of drug using behaviors (defined as alcohol, tobacco, and other drug), HIV risk behaviors, related disorders, prevention and treatment of these behaviors, and health service utilization including quality, access, and costs. NIDA and NCI encourage coordinated analyses of substance abuse research data that are in public use or that are privately held by a principal investigator.
Amount: $450,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-018.html
Key Words**: Risk Behaviors**

Unique Interactions Between Tobacco Use and HIV/AIDS
[(R01) PA-08-253] and [(R03) PA-08-254]
PA-08-253 and PA-08-254
National Institute on Drug Abuse (NIDA)
Fogarty International Center (FIC)
The purpose for this FOA issued by the National Institute on Drug Abuse and the Fogarty International Center encourages Research Project Grant (R01) applications from institutions/organizations that propose to stimulate research related to the unique, interactive health effects of cigarette smoking and HIV/AIDS.
Amount: unspecified
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-253.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-254.html
Key Words**: Smoking, AIDS/HIV**

Collaborative Clinical Trials in Drug Abuse (Collaborative R01)
PAR-10-099
National Institute on Drug Abuse (NIDA)
The National Institute on Drug Abuse (NIDA) seeks to increase the clinical collaboration of investigators between multiple clinical research groups, while simultaneously facilitating the study of outcome measures and/or patient populations that require larger numbers of subjects than any single site can reasonable enroll.
Amount: $2,500,000
LOI: 30 days before planned application submission date
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-099.html
Key Words**: Substance-Related disorders, Pharmacological Treatment, Behavioral Therapy, Neuroimaging, Infectious Disease Transmission**

Building System Capacity for Implementing Evidence-Based Practices in Substance Abuse Treatment and Prevention (R34)
PA-09-105
National Institute on Drug Abuse (NIDA)
This Funding Opportunity Announcement (FOA) issued by the National Institute on Drug Abuse, National Institutes of Health, provides resources to facilitate research on the adoption, implementation, and sustainability of evidence-based clinical treatment practices, prevention approaches, and business practices in community-based service delivery settings. It is intended to foster collaboration between service providers and entities that directly influence their capacity to deliver such practices, including Single State Agencies, other funders, licensing and regulatory bodies, referral sources, educational entities, and other social services agencies that interact with the treatment and prevention systems. Applications are encouraged that will advance the field of implementation science while simultaneously building the capacity of systems and service providers to conduct process improvement research. Applicants may propose to pilot test proven clinical or business practices across service delivery settings, or to study the downstream effect of changes in State or other system-level policies on program capacity to implement evidence-based practices. This FOA encourages collection of preliminary data needed to inform approaches to the eventual scaling-up of selected practices to broader, sustained implementation.
Amount: $450,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-105.html
Key Words**: Addictions, Treatment Program Evaluation**

Cutting-Edge Basic Research Awards (CEBRA) (R21)
PAR-09-222
National Institute on Drug Abuse (NIDA)
The National Institute on Drug Abuse (NIDA) Cutting-Edge Basic Research Award (CEBRA) is designed to foster highly innovative or conceptually creative research related to drug abuse and addiction and how to prevent and treat them. It supports research that is high-risk and potentially high-impact that is underrepresented or not included in NIDA's current portfolio. The proposed research should: (1) test a highly novel and significant hypothesis for which there is scant precedent or preliminary data and which, if confirmed, would have a substantial impact on current thinking; and/or (2) develop or adapt innovative techniques or methods for addiction research, or that have promising applicability to drug abuse research.
Amount: $250,000
LOI: N/R
Deadline: August 20, 2010, December 21, 2010, August 19, 2011, and December 21, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-222.html
Key Words**: Drug Abuse, Addictions**

Drug Abuse Dissertation Research: Epidemiology, Prevention, Treatment, Services, and/or Women and Sex/Gender Differences (R36)
PAR-10-020
National Institute on Drug Abuse (NIDA)
The purpose of this Funding Opportunity Announcement (FOA) is to invite applications for support of drug abuse doctoral dissertation research in epidemiology, prevention, treatment, services, and/or women and sex/gender differences.
Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-020.html
Key Words**: Drug Abuse**

Pilot and Feasibility Studies in Preparation for Drug Abuse Prevention Trials (R34)
PA-09-146
National Institute on Drug Abuse (NIDA)
This FOA for R34 applications seeks to support: (a) pilot and/or feasibility testing of new, revised, or adapted preventive intervention approaches targeting the initiation of drug use, the progression to abuse or dependence, and the acquisition or transmission of HIV infection among diverse populations and settings; and (b) pre-trial feasibility testing for prevention services and systems research. The NIDA R34 mechanism does not support the development of intervention protocols, manuals, or the standardization of protocols. It is expected that research conducted via this R34 mechanism will consist of early stage efficacy, effectiveness or services research that will provide intervention pilot and/or feasibility data that is a pre-requisite for submitting larger drug abuse and/or drug-related HIV prevention intervention studies.
Amount: $450,000
LOI: N/R

Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-146.html
Key Words**: Drug Use, Progression to Addiction**

Mechanism for Time-Sensitive Drug Abuse Research (R01)
PAR-10-072
National Institute on Drug Abuse (NIDA)
This Funding Opportunity Announcement (FOA) is issued by the National Institute on Drug Abuse (NIDA), National Institutes of Health (NIH). The FOA is intended to support substance abuse prevention and treatment services research in rapidly evolving areas (e.g., changes in service systems, health care financing, policy, natural/man-made disasters, etc) where opportunities for empirical study are, by their very nature, only available through expedited review and award of support. There are three distinguishing features of an eligible study: 1) the study's scientific value and feasibility are clear, 2) rapid review and funding are required in order for the scientific question to be answered, and 3) the knowledge gained from the study is time-sensitive and seeking funding through the regular NIH cycle of review and award would result in a missed opportunity to conduct the research. It should be clear that the research question offers an uncommon and scientifically significant research opportunity that could only become available if the project is initiated with minimum delay.
Amount: varies
LOI: 4 weeks prior to planned submission date
Deadline: September 10, 2010 December 9, 2010, March 9, 2011, June 9, 2011, September 9, 2011, December 9, 2011, March 9, 2012, June 8, 2012, September 10, 2012, December 10, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-072.html
Key Words**: Substance Abuse Prevention, Policy**

Drug Abuse Aspects of HIV/AIDS (R01) and (R21) and (R03)
PA-10-129 and PA-10-130 and PA-10-131
National Institute on Drug Abuse (NIDA)
This FOA issued by the National Institute on Drug Abuse (NIDA), National Institutes of Health (NIH), encourages Research Project Grant (R01) applications to examine the drug abuse aspects of HIV/AIDS, including research on drug-related risk behaviors, addiction and HIV disease, and drug use/HIV-related comorbidities and consequences. Proposals are needed to identify and predict changes in the epidemiology of HIV/AIDS among injection and non-injection drug users and among their sexual partners, to develop and test primary and secondary drug abuse and HIV prevention and treatment interventions, to improve HIV testing, counseling, and treatment services for those living with HIV/AIDS, and to address basic mechanisms involved in HIV infection and AIDS pathogenesis in the context of drug abuse and addiction.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-129.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-129.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-129.html
Key Words**: HIV/AIDS, Drug Abuse**

NIDA Mentored Clinical Scientists Development Program Award in Drug Abuse and Addiction (K12)
PAR-10-177
National Institute on Drug Abuse (NIDA)
The goal of NIH-supported career development programs is to help ensure that a diverse pool of highly trained scientists is available in adequate numbers and in appropriate research areas to address the Nations biomedical, behavioral, and clinical research needs. This funding opportunity announcement (FOA) encourages applications for institutional research career development (K12) programs that propose to support intensive supervised research training and career development experiences for clinician scientists (scholars) leading to research independence in the area of drug abuse and addiction. Candidates selected for support as scholars must hold a clinical or research doctorate and can commit a minimum of 9 person-months (equivalent to 75% of full-time professional effort) conducting clinical research and career development activities associated with the proposed program.
Amount: $500,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-177.html
Key Words**:**

Drug Abuse Prevention Intervention Research
[(R01) PA-08-217] and [(R21) PA-08-218] and [(R03) PA-08-219]

PA-08-217 and PA-08-218 and PA-08-219
National Institute on Drug Abuse (NIDA)
The purpose of this FOA is to encourage Research Project Grant (R01) applications from institutions/organizations that propose to advance the science of drug abuse and drug-related HIV prevention through 1) the development of novel prevention approaches, 2) the testing of novel and adapted prevention intervention approaches 3) the elucidation of processes associated with the selection, adoption, adaptation, implementation, sustainability, and financing of empirically validated interventions, and 4) the development of new methodologies suitable for the design and analysis of prevention research studies. Programs of research are intended to provide pathways toward the discovery of population-level approaches for the prevention of drug abuse and dependence, drug-related problems (such as interpersonal violence, criminal involvement, and productivity loss), and drug related illness (such as comorbid drug and mental health problems or comorbid infections including HIV, hepatitis B, and hepatitis C).
Amount: varies
LOI: N/R
Deadline: Standard dates apply,
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-217.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-218.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-219.html
Key Words**: Drug Abuse, Drug Dependence**

NIDA Research "Center of Excellence" Grant Program (P50)
PAR-10-189
National Institute on Drug Abuse (NIDA)
This FOA is to provide support for research Centers that conduct drug abuse and addiction research in any area of NIDA's mission, that have outstanding innovative science, that are multidisciplinary, thematically integrated, synergistic, and that serve as national resource(s) to provide educational and outreach activities to drug abuse research communities, educational organizations, the general public, and policy makers in the NIDA research fields. It is expected that a Center will transform knowledge in the sciences it is studying. Incremental work should not be the focus of Center activities; rather, new and creative directions are required. The P50 Center of Excellence is expected to support the education, training, and mentoring of new investigators who would be given meaningful roles to play in the Center projects. NIDA Centers are expected to share their findings, their data and their resources, and to serve as national research resources in the drug abuse research field.
Amount: varies
LOI: August 25, 2010, August 25, 2011, August 25, 2012
Deadline: September 25, 2010, September 25, 2011, September 25, 2012
AIDS Application Submission Dates: January 7, 2011, January 7, 2012, January 7, 2013
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-189.html
Key Words**:**

Drug Abuse Epidemiology and Services Research in Cooperation with the Clinical and Translational Science Awards Consortium (R01)
PAS-09-001
National Institute on Drug Abuse (NIDA)
Through this program announcement with set aside (PAS), the National Institute on Drug Abuse (NIDA) invites applicants to develop innovative drug abuse epidemiology or health services research in cooperation with academic centers supported through the NIH Clinical and Translational Science Awards (CTSA) consortium. A major NIH initiative, the CTSA consortium is transforming how clinical and translational research is conducted, building an infrastructure for multidisciplinary researchers and clinicians to perform research and develop new treatments more efficiently. As a part of this infrastructure, CTSA sites have established partnerships with a range of clinical settings and have access to large, multi-generational population cohorts. These features of the CTSA sites offer a unique opportunity for researchers to integrate drug abuse epidemiology and health services research in these settings. Applicants are asked to propose innovative drug abuse research which builds upon the resources available at CTSA sites, resources which would include CTSA efforts to strengthen networks of clinical sites and to establish innovative information technologies, phenotyping systems, and biobanks. A broad range of drug abuse epidemiology and health services research areas will be supported under the auspices of this FOA.
Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAS-09-001.html
Key Words**: CTSA, Epidemiology, Drug Abuse Treatment**

Technology-Based Adherence Interventions for Substance Abusing Populations with HIV (R01) and (R34)
PAS-10-097 and PAS-10-098
National Institute on Drug Abuse (NIDA)

Through this FOA, the National Institute on Drug Abuse (NIDA) seeks to stimulate and support research on the determination of efficacy and potency of interventions that utilize technological tools (e.g., mobile enabling technologies, Ecological Momentary Assessment (EMA), enhanced Medication Event Monitoring System, computer software, portable digital devices, cell phone and/or Digital Assistant Device among others) to foster adherence to Human Immunodeficiency Virus (HIV) treatment regimens among substance abusing populations in naturally occurring timeframes and contexts. Multidisciplinary collaboration between social scientists, medical (physician/nurse) researchers and technology experts to develop and refine mobile technological instrumentation, e-health technology and software as interventions (or as part of interventions) that foster adherence to HIV treatment regimens and access to care in real time is encouraged.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAS-10-097.html and http://grants.nih.gov/grants/guide/pa-files/PAS-10-098.html
Key Words**: Treatment Regimens, HIV/AIDS**

2010 NIDA Translational Avant-Garde Award for Medication Development for Diseases of Addiction (DP1)

RFA-DA-10-013
National Institute on Drug Abuse (NIDA)
The NIDA Translational Avant-Garde Award is designed to support dedicated and talented basic and/or clinical researchers with the vision, drive and expertise necessary to translate research discoveries into medications for the treatment of diseases of addiction. Through this funding FOA, the National Institute on Drug Abuse (NIDA) is committed to making significant advances in the development of safe and efficacious products for the treatment of disorders stemming from tobacco, cannabis, cocaine, methamphetamine, heroin, or prescription opiate use or abuse. These products can be pharmaceuticals (small molecules) or biologics. Biologics include medicinal products such as vaccines and recombinant therapeutic proteins created by biological processes. Applications may focus on the pharmacotherapy of one or various disorders. Applications may also focus on the specific symptoms of the disorder such as withdrawal, craving or relapse. Testing of new formulations of marketed medications that are available for other indications, or new combinations of existing medications, which may be promising candidates for the treatment of diseases of addiction is within the scope of this FOA. The 2010 Translational Avant-Garde Award competition will proceed in two phases. The first phase is a pre-application phase in response to PAR-10-095. Pre-applications will be evaluated by a group of external reviewers. Those investigators whose submissions are judged to be the most outstanding will be notified of the opportunity to submit full applications under this FOA (DP1).
Amount: $10,000,001
LOI: N/R
Deadline: July 2, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-013.html
Key Words**: Substance Abuse, Treatment**

AIDS-Science Track Award for Research Transition (R03)

PAR-10-021
National Institute on Drug Abuse (NIDA)
This funding opportunity announcement (FOA) by the National Institute on Drug Abuse seeks to facilitate the entry of both newly independent and early career investigators to the area of drug abuse research on HIV/AIDS. This FOA, AIDS--Science Track Award for Research Transition (A-START), encourages Small Research Grant (R03) applications to support research projects on drug abuse and HIV/AIDS that can be carried out in a short period of time with limited resources. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology.
Amount: $200,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-021.html
Key Words**: HIV/AIDS, Drug Abuse**

Medications Development for Polydrug Addiction Treatment [(R01) PAS-08-186] and [(R21) PAS-08-187]

PAS-08-186 and PAS-08-187
National Institute on Drug Abuse
The National Institute on Drug Abuse (NIDA) is seeking medication discovery and development research grant applications focused on the treatment of patients who are simultaneously addicted to multiple substances, including alcohol, tobacco, illicit drugs and/or prescription drugs. Novel proposals for clinical or preclinical testing of potential medications, as well as relevant animal model development and medicinal chemistry efforts are encouraged.
Amount: $2,500,000

LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAS-08-186.html and http://grants.nih.gov/grants/guide/pa-files/PAS-08-187.html
Key Words: **Drug Abuse, Drug Development**

Medications Development for the Treatment of Pregnant/Postpartum Women with Substance Related Disorders and/or In Utero Substance Exposed Neonates (R01) and (R21)
PA-09-106 and PA-09-107
National Institute on Drug Abuse
The purpose of this FOA is to foster the development of novel pharmacological strategies for the treatment of pregnant/postpartum women with Substance Related Disorders (SRDs) and/or in utero substance exposed neonates. To that end, this FOA issued by NIDA, National Institutes of Health, will encourage applications to implement preclinical and clinical research directed towards: 1) the identification, evaluation, and development of safe and effective novel pharmacotherapies (e.g., new chemical entities or immunotherapies) for the treatment of pregnant/postpartum women with SRDs and/or in utero substance exposed neonates, and/or 2) the evaluation of the safety and efficacy of FDA approved medications (e.g., medications approved for a different indication) for the treatment of pregnant/postpartum women with SRDs and/or in utero substance exposed neonates.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-106.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-107.html
Key Words: **Fetal Maternal Health, Substance Abuse**

Mechanisms of Alcohol-Induced Tissue Injury (R01)
PA-08-164
National Institute on Alcohol Abuse and Alcoholism
National Heart, Lung, and Blood Institute
The National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Heart Lung and Blood Institute (NHLBI), National Institutes of Health (NIH), solicit the submission of investigator-initiated research grant applications to support research investigating the Mechanisms of Alcohol Induced Tissue Injury in diverse groups and across the life span.
Amount: $250,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-164.html
Key Words: **Alcohol, Tissue Damage, Alcohol Disease**

Senior Scientist Research and Mentorship Award (K05)
PA-09-076
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute on Drug Abuse (NIDA)
The Senior Scientist Research and Mentorship Award (K05) is intended to provide outstanding senior scientists protected time to focus on and enhance their research and to carry out mentoring of new investigators. Candidates for the Senior Scientist Research and Mentorship Award (K05) should be recognized leaders in the alcohol, or drug abuse, or related research fields who have demonstrated a sustained, high level of productivity and a distinguished record of original contributions in their field, and whose expertise and contributions to these research fields will continue to be critical to the missions of the NIAAA or NIDA. Each candidate must demonstrate both the need for protected time to further their field of research and a commitment to serve as a mentor to new investigators or junior faculty who are currently performing or will begin to perform alcohol, or drug abuse, or related research. Mentored investigators should have an independent, full-time appointment at their institution; this can be in either non-tenure or tenure-track positions.
Amount: up to $450,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-076.html
Key Words: **Alcohol abuse, Drug abuse**

Alcohol, Decision-Making, and Adolescent Brain Development (R01) and (R21)
PA-09-097
PA-09-096

National Institute on Alcohol Abuse and Alcoholism (NIAAA)
This FOA issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Research Project grants (R01) applications from institutions/organizations that propose to study decision-making processes in adolescents as they relate to drinking behavior, and the role of neural circuitry development in adolescent decision-making and alcohol abuse and dependence.
Amount: unspecified
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-097.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-096.html
Key Words**: Alcoholism, Adolescent Behavior**

Program Project on Alcohol-Related Research (P01)

PAR-10-187
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
The NIAAA Program Project Initiative provides leadership in conducting and fostering interdisciplinary research on a wide variety of topics including, but not limited to: the nature, causes, consequences, diagnosis, treatment, and prevention of alcohol abuse and alcoholism; and in developing new topics, approaches and methodologies to pursue these areas of research.
Amount: $2,500,000
LOI: November 2, 2010
Deadline: December 2, 2010
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-187.html
Key Words**:**

Research on Alcohol and HIV/AIDS (R01), (R03) and (R21)

PA-10-103 and PA-10-104 and PA-10-105
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
This Funding Opportunity Announcement (FOA) is intended to appeal to a broad audience of alcohol and HIV/AIDS researchers, including alcohol researchers with no prior experience in HIV/AIDS research, but with a keen appreciation for the relationship between problem drinking and HIV/AIDS and a strong interest in acquiring such experience; HIV/AIDS researchers with no prior alcohol research experience who realize the importance of more intensive alcohol interventions to improving clinical outcomes among HIV+ individuals; and those with prior research experience in the area of co-occurring HIV/AIDS and alcohol and other substance abuse. The primary objectives for this announcement are to increase research : 1) to characterize the relative importance of reducing alcohol misuse in the prevention of acquisition and transmission of HIV in order to identify and apply appropriate alcohol and HIV interventions as public health measures, 2) to more fully understand and prevent the progression of HIV disease in the presence of continued alcohol exposure and 3) to develop operational research frameworks for addressing the occurrence and persistence of infections in high-risk populations (e.g. minority women, young gay men, etc.), and translate findings these targeted populations. Given the breadth of research objectives included in this announcement, potential applicants are encouraged to carefully review all sections of the announcement for research opportunities.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-103.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-104.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-105.html
Key Words**: HIV/AIDS, Alcohol, Disease Transmission, Risk Assessment, Interventions**

Multi-Component Youth/Young Adult Alcohol Prevention Trials (R01)

RFA-AA-11-001
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
This Funding Opportunity Announcement (FOA) invites research grant applications that will advance the science of alcohol prevention and treatment through evaluations of multicomponent community programs, with a specific focus on adolescents and young adults. It seeks proposals to test the relative effectiveness and costs of: (1) Community based programs comprised of environmental interventions to reduce underage and binge drinking among young adults and related harmful behaviors; (2) Community based programs that increase alcohol screening, brief intervention, and access to formal treatment for adolescents and young adults in multiple community settings (e.g. primary care, emergency departments, school- and work-based settings, and web-based venues); and (3) Programs that combine both strategies.
Amount: $2,500,000
LOI: November 2, 2010
Deadline: December 2, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-AA-11-001.html
Key Words**:**

Alcohol Research Education Project Grants (R25)

PAR-08-082
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
The National Institute on Alcohol Abuse and Alcoholism (NIAAA) supports research programs to advance understanding of the biological and behavioral processes involved in the development, expression, and consequences of alcoholism and other alcohol-related problems. The Institute also supports prevention, treatment, and health services research on alcohol abuse and alcoholism. A part of the NIAAA mission is the dissemination of new knowledge acquired from alcohol research to diverse audiences, including scientists, educators, clinicians, and other health and social service providers, patients and their families, professionals within the criminal justice system, and the general public. This FOA identifies the research activity on alcohol education of Health Professions that NIAAA will consider for award through Research Education grants (R25).
Amount: $500,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants1.nih.gov/grants/guide/pa-files/PAR-08-082.html
Key Words**: Alcohol, Alcohol Related Problems, Education**

Alcohol Use Disorders: Treatment, Services Research, and Recovery (R21), (R01), and (R03)

PA-10-102 and PA-10-100 and PA-10-101
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
This Funding Opportunity Announcement (FOA), issued by the National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Institutes of Health (NIH), encourages Exploratory/Developmental (R21) grant applications from institutions/organizations that utilize innovative approaches to research on: behavioral and pharmacological treatment for alcohol use disorders; organizational, financial, and management factors that facilitate or inhibit the delivery of services for alcohol use disorders; and/or on the phenomenon of recovery from alcohol use disorders. This FOA will use the NIH Exploratory/Developmental (R21) award mechanism and runs in parallel with two FOAs of identical scientific scope: PA-10-100 that encourages applications under the R01 mechanism and PA-10-101 that encourages applications under the R03 mechanism.
Amount: $275,000+
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-102.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-100.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-101.html
Key Words**: Alcohol Use Disorders**

Stress Pathways in Alcohol Induced Organ Injury and Protection (R01) and (R21)

PA-10-093 and PA-10-094
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Research Project Grant (R01) applications that propose studying the role of cellular stress responses, the cytoplasmic classical stress response or heat shock response (HSR) and the endoplasmic reticulum (ER) stress, in alcohol-induced tissue injury and tissue protection. While excessive alcohol use causes organ damage, moderate alcohol consumption may be beneficial. The underlying molecular mechanisms for this apparent dichotomy of alcohol's harmful and salutary effects are currently not fully understood. Alcohol induces cellular stress pathways in the cytoplasm and in the endoplasmic reticulum that may significantly be involved in alcohol-induced tissue injury or mediate tissue protection depending on the quantity, frequency, duration, and temporal pattern of drinking. Hence, studies of the effects of alcohol on cellular stress pathways are critical to understand the mechanisms of alcohol-induced injuries or protection to develop new strategies for prevention, diagnosis and treatment. The purpose of this FOA is to: (1) acquire insight into how acute or chronic alcohol consumption affects cellular stress pathways and in turn, how these changes contribute to alcohol-induced injury/protection; (2) investigate how alcohol induced stress responses mediate cell survival and death signaling pathways at macromolecular, organelle, cellular and organism level contributing to alcohol-induced tissue injury/protection; (3) develop potential stress related biomarkers for prognosis, diagnosis of tissue injury/protection, furthermore identify new targets for their therapeutic interventions. Utilizing innovative experimental design and emerging technologies, such as deep sequencing, genomics, proteomics, metabolomics, bioinformatics, and novel imaging techniques these investigations are expected to provide a more comprehensive understanding of how alcohol affects the evolutionally conserved stress pathways and elucidate their roles in tissue injuries and repair.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-093.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-094.html
Key Words**: Alcohol-Induced Tissue Injury**

The Role of Cellular Organelles in Alcohol-Induced Tissue Injury (R01) and (R21)
PA-10-085 and PA-10-086
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Research Project Grant (R01) applications that propose to study biological processes involving the cellular organelles in alcohol-induced tissue injury. Excessive alcohol consumption can damage many organ systems including the liver, heart, pancreas, brain, and lung. However, the mechanisms for these injuries are currently not fully understood. Cellular organelles play an important role in cellular functions and are significantly involved in alcohol-induced tissue injury. Thus, studies of alcohol's effects on the structure and function of cellular organelles are critical to better understand the mechanisms of alcohol-induced injuries and to develop new strategies for their diagnosis and treatment. The purpose of this FOA is to: (1) better understand how acute or chronic alcohol consumption affects the structure and function of cellular organelles, and in turn, how these changes contribute to alcohol-induced injury; (2) investigate how variations of proteins in cellular organelles, or their regulation and function, including cellular signaling pathways, contribute to an individual's response to acute or chronic alcohol intake and alcohol-induced tissue injury; (3) develop potential biomarkers for prognosis and diagnosis of tissue injury, or identify new targets for therapeutic interventions. This FOA aims to foster the utilization of innovative experimental design and emerging technologies, such as genomics, proteomics, metabolomics, bioinformatics, as well as novel microscopic imaging techniques that illuminate functions in intact cells and tissues, to generate new mechanistic and clinical insights into alcohol-induced tissue injuries.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-085.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-086.html
Key Words**: Alcohol-Induced Tissue Injury**

Alcohol Use Disorders: Treatment, Services Research, and Recovery (R21)
PA-08-008
National Institute on Alcohol Abuse and Alcoholism
This Funding Opportunity Announcement (FOA), issued by the National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Institutes of Health (NIH), encourages Exploratory/Developmental (R21) grant applications from institutions/organizations that utilize innovative approaches to research on: behavioral and pharmacological treatment for alcohol use disorders; organizational, financial, and management factors that facilitate or inhibit the delivery of services for alcohol use disorders; and/or on the phenomenon of recovery from alcohol use disorders.(NIH), encourages Exploratory/Developmental (R21) grant applications from institutions/organizations that utilize innovative approaches to research on: behavioral and pharmacological treatment for alcohol use disorders; organizational, financial, and management factors that facilitate or inhibit the delivery of services for alcohol use disorders; and/or on the phenomenon of recovery from alcohol use disorders.
Amount: $275,000
LOI: N/R
Deadline: Multiple dates, see announcement
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-008.html
Key Words**:**

International Research Collaborations on Drug Addiction (R21)
PA-08-007
National Institute on Alcohol Abuse and Alcoholism
This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Exploratory/Developmental Research Project Grant (R21) applications from institutions/ organizations that propose to integrate basic behavioral research and intervention research for the prevention of alcohol-related HIV/AIDS risk.
Amount: varies
LOI: N/R
Deadline: Multiple dates, see announcement
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-007.html
Key Words**:**

Integrative Preventions Research for Alcohol Users At-Risk for HIV/AIDS (R01)
PA-08-006
National Institute on Alcohol Abuse and Alcoholism
This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/ organizations that propose to integrate basic behavioral research and intervention research for the prevention of alcohol-related HIV/AIDS risk.
Amount: varies
LOI: N/R

Deadline: multiple dates, see announcement
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-006.html
Key Words:

Mouse Models Containing Human Alleles: Novel Tools to Study Brain Function (R21/R33)
PAR-08-158
National Institute of Mental Health
National Institute on Aging
National Institute on Alcohol Abuse and Alcoholism
National Institute on Drug Abuse
This Funding Opportunity Announcement invites Phased Innovation (R21/R33) grant applications from organizations /institutions that propose the development and characterization of novel mouse models that express human genes or human genetic elements that can aid in understanding the molecular mechanisms underlying brain function and the physiological function/significance of gene variants and gene dosage abnormalities that have been identified as possibly being involved in mental disorders, addiction, neurodegenerative disorders of aging, and alcoholism as well as related comorbid conditions
Amount: $150,000
LOI: 30 days prior to application receipt date
Deadline: multiple dates (January 28, 2011)
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-158.html
Key Words: **Animal Models**

Methods for Prevention Packages Program (MP3 II) (R01)
RFA-AI-10-005
National Institute of Allergy and Infectious Diseases Health (NIAID)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Mental Health (NIMH)
The National Institute of Allergy and Infectious Diseases, the National Institute of Alcohol Abuse and Alcoholism and the National Institute of Mental Health invite applications for multidisciplinary research programs that; (1) devise optimal HIV prevention packages (combination interventions) for specific populations, (2) perform pilot studies to demonstrate that the proposed prevention package is acceptable to the target population and the study design is appropriate and feasible, and (3) design clinical protocols to rigorously examine the safety and efficacy of these packages in the target population.
Amount: $2,400,000
LOI: June 15, 2010
Deadline: July 15, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-10-005.html
Key Words: **HIV Prevention**

NIH Small Research Grant Program (Parent R03)
PA-09-163
National Human Genome Research Institute (NHGRI)
National Institute on Drug Abuse (NIDA)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Allergy and Infectious Diseases (NIAID)
National In
The National Institutes of Health (NIH) Investigator-Initiated Small Grant (R03) funding opportunity supports small research projects that can be carried out in a short period of time with limited resources. Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigator's area of interest and competency. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. All investigator-initiated small grant applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests.
Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-163.html
Key Words: **Small Grants**

National Center for Responsible Gaming 2010 Prevention and Treatment

Exploration Grants, Seed Grants, and Large Grants
National Center for Responsible Gaming
The Institute has designated prevention and treatment as priority research topics for 2010. We invite applications focused on a broad range of investigator-initiated research that develops and tests psychosocial or pharmacological approaches for prevention, intervention, treatment or relapse prevention of problem and pathological gambling. The Institute is especially interested in brief interventions targeted at underrepresented populations, such as minorities, young adults and persons with subclinical gambling disorders (e.g., at-risk for problem gambling).
Amount: up to $150,000
LOI: May 1, 2010 for Large Grant Applications
Deadline: July 1, 2010 for Seed Grants; September 1, 2010 for Large Grants
To learn more**:** http://www.gamblingdisorders.org/project-grants
Key Words**: Gambling Addiction**

Testing Tobacco Products Promoted to Reduce Harm (R01) and (R21)
PA-09-046 and PA-09-047
National Cancer Institute (NCI)
National Institute on Drug Abuse (NIDA)
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI) and the National Institute on Drug Abuse (NIDA), invites applications that propose multidisciplinary research on potential reduced-exposure tobacco products, both smoked and smokeless. The multidisciplinary studies can span basic, biological, behavioral, surveillance, and epidemiology research. The tobacco industry is currently promoting several new products with claims that they: a) are less either harmful or less addictive; and b) purportedly deliver lower amounts of toxic, carcinogenic, and/or addictive agents to the user compared with conventional products. However, to date, the scientific evidence is insufficient to evaluate whether these new products actually reduce the users' exposure or risk for tobacco-related diseases. The overarching goal of this FOA is to determine whether potential reduced-exposure tobacco products provide a truly, less-harmful alternative to conventional tobacco products, both at the individual and population level.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-046.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-047.html
Key Words**: Tobacco, Smokeless Tobacco, Tobacco-related Disease**

Year 2010 Department of Defense Peer Reviewed Medical Research Program
W81XWH-10-PRMRP-CTA
W81XWH-10-PRMRP-IIRA
W81XWH-10-PRMRP-TTDA
Department of Defense (DOD)
Congressionally Directed Medical Research Programs (CDMRP)
All applications for PRMRP funding must specifically and clearly address at least one of the topic areas as directed by Congress, and have direct relevance to the health care needs of the Armed Forces, their family members, and/or the U.S. veteran population. If the proposed research has no relevance to currently advertised PRMRP topic areas, the Government reserves the right to administratively withdraw the application. The Government also reserves the right to reassign the proposal's topic area if submitted under an inappropriate topic area. The FY10 PRMRP topic areas as provided by Congress are listed below.
Chronic Migraine and Post-traumatic Headache
Dystonia
Drug Abuse
Epilepsy
Fragile X Syndrome
Inflammatory Bowel Disease
Interstitial Cystitis
Listeria vaccine for infectious disease
Lupus
Mesothelioma
Neuroblastoma
Osteoporosis and related bone disease
Paget's Disease
Pheochromocytoma
Polycystic Kidney Disease
Post-traumatic Osteoarthritis
Scleroderma
Social Work Research
Tinnitus
Amount: up to $2,200,000

LOI: N/R
Deadline: August 5, 2010 for Investigator-Initiated Research Award
To learn more: http://cdmrp.army.mil/funding/prmrp.htm
Key Words: **Clinical Trials, Concept, Investigator-Initiated, Therapy**

Bioimaging and Radiation Research

Imaging - Science Track Award for Research Transition (I/START) [R03]
PAR-09-073
National Institute on Drug Abuse (NIDA)
This funding opportunity announcement (FOA) issued by the National Institute on Drug Abuse encourages Small Research Grant (R03) applications to facilitate the entry of investigators to the area of neuroimaging, including both new investigators and established investigators seeking to adopt neuroimaging methodologies in their research programs. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.
Amount: $150,000
LOI: 30 days prior to the application due date
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-073.html
Key Words: **Neuroimaging**

Development of PET and SPECT Ligands for Brain Imaging (SBIR [R43/R44])
PA-08-137
National Institute of Mental Health
National Institute on Aging
National Institute on Alcohol Abuse and Alcoholism
National Institute on Deafness and Other Communication Disorders
This Funding Opportunity Announcement (FOA) is intended to stimulate the commercial development of novel radioligands for positron emission tomography (PET) and single photon emission computed tomography (SPECT) imaging in human brain, and to incorporate pilot or clinical feasibility evaluation in pre-clinical studies, model development, or clinical studies. The NIH institutes listed in this FOA are specifically interested in the development of radioligands for molecular targets (e.g., receptors, cell adhesion molecules, intracellular messengers, and disease related proteins) that are of broad interest to the scientific community. These radiotracers will be used for neuroimaging as well as potential biological markers and surrogate endpoints for translational and clinical research, drug discovery and development, and clinical trials. Also appropriate for this FOA are applications proposing research and development of new technologies for radiotracer development.
Amount: up to $300,000 total costs per year and time periods up to two years for Phase I may be requested. Budgets up to $500,000 total costs per year and up to three years may be requested for Phase II.
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-137.html
Key Words:

Development and Application of PET and SPECT Imaging Ligands as Biomarkers for Drug Discovery and for Pathophysiological Studies of CNS Disorders (R21)
PA-10-023 and PAR-10-024
National Institute of Mental Health (NIHM)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Biomedical Imaging and Bioengineering (NIBIB)
National Institute on Drug Abuse (NIDA)
This Funding Opportunity Announcement (FOA) invites research grant applications from organizations/institutions that propose the development of novel radioligands for positron emission tomography (PET) or single photon emission computed tomography (SPECT) imaging in human brain, and that incorporate pilot or clinical feasibility evaluation in pre-clinical studies, model development, or clinical studies.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-023.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-024.html
Key Words: **PET, SPECT, radioligands, Small Business Innovation Research (SBIR [R43/R44])**

Innovation in Molecular Imaging Probes (R01)
PAR-09-016
National Institute of Biomedical Imaging and Engineering
National Institute on Aging
National Institute of Arthritis and Musculoskeletal and Skin Diseases
Eunice Kennedy Shriver National Institute of Child Health and Human Development
National Institute
This FOA is issued by the National Institute of Biomedical Imaging and Bioengineering, National Institutes of Health. This FOA is a follow up of a previous Roadmap RFA (RM-04-021 "Innovation in Molecular Imaging Probes"). The purpose of this initiative is to encourage the development of novel molecular imaging approaches that can detect and image specific molecular activities in vivo, and have the potential for clinical applications. Novel molecular imaging approaches developed through this initiative can focus on one (or both) of the following long-term translational goals: (1) imaging the characteristic markers, and function, of normal cells in control human subjects and patients, and (2) imaging the characteristic markers, and biochemical or physiological abnormalities, of disease cells in patients. Potential abnormalities that could provide early markers for disease include (but are not restricted to): inflammation, fibrosis, immune cell activation, altered signal transduction pathways, altered gene expression pathways, and altered post-translational modification of proteins. This initiative solicits applications that explore innovative "high-impact" approaches, rather than incremental technology development that is already supported by current NIH programs.
Amount: varies
LOI: December 21, 2010; August 21, 2010; April 20, 2011; August 21, 2011
Deadline: September 21, 2010; January 21, 2011; May 20, 2011; September 21, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-016.html
Key Words**: Molecular Imaging Probes**

NIBIB Biomedical Technology Resource Centers (P41)
PAR-10-153
National Institute of Biomedical Imaging and Bioengineering (NIBIB)
This FOA issued by the National Institute of Biomedical Imaging and Bioengineering (NIBIB), National Institutes of Health (NIH), encourages grant applications for Biomedical Technology Resource Centers (BTRCs) that are funded using the P41 mechanism. BTRCs conduct research and development on new technologies that are driven by the needs of basic, translational, and clinical researchers. BTRCs also make their technologies available, train members of the research community in the use of the technologies, and disseminate these technologies broadly.
Amount: $3,500,000
LOI: 30 days prior to each submission date
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-153.html
Key Words**: Bioimaging**

New Approaches to Arrhythmia Detection and Treatment (SBIR [R43/R44]) and (STTR [R41/R42])
PA-10-117 and PA-10-118
National Heart, Lung, and Blood Institute (NHLBI)
This Funding Opportunity Announcement (FOA) encourages Small Business Innovation Research (SBIR) grant applications from small business concerns (SBCs) that propose to improve our ability to detect, prevent, and treat all forms of cardiac arrhythmias. This initiative encourages SBCs to develop improved diagnostic and therapeutic tools, products, or devices for cardiac arrhythmia monitoring, detection and treatment.
Amount: up to $1,200,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-117.html
Key Words**: Cardiac Arrhythmia**

Academic-Industrial Partnerships for Translation of in vivo Imaging Systems for Cancer Investigations (R01)
PAR-10-169
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA) issued by the Cancer Imaging and Radiation Research Programs of the National Cancer Institute (NCI), National Institutes of Health (NIH), encourages applications from research partnerships formed by academic and industrial investigators to accelerate the translation of either animal or human in vivo imaging, image guided, and/or spectroscopic systems and methods designed to solve targeted cancer problems for cancer research, clinical trials, and/or clinical practice. The partners on each application will establish an inter-disciplinary, multi-institutional research team to work in a strategic alliance to

implement a coherent strategy to develop and translate the proposed system or methods with potential for significant impact on preclinical, single, or multisite clinical studies. Partnerships must include at least one lead academic and one lead industrial organization large or small among their numbers. For either preclinical or clinical research, funding may be requested for limited additional copies of prototype systems and methods in order to optimize and validate them across different platforms and/or research sites. Each partnership is encouraged to plan to solve its choice of targeted cancer problem within the five year funding period. This FOA supports clinical trials that emphasize optimization and validation of the performance of imaging systems, including devices, agents and/or methods. It will not support commercial production.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-169.html
Key Words**: in vivo Imaging, Cancer**

In vivo Cellular and Molecular Imaging Centers (ICMICs) (P50)

PAR-09-157
National Cancer Institute (NCI)
The Cancer Imaging Program, and the Division of Cancer Diagnosis and Treatment, at the National Cancer Institute (NCI), invites new or renewal (competing) applications for P50 Research Center Grants for In vivo Cellular and Molecular Imaging Centers (ICMICs). The program will fund the 5-year P50 ICMIC grants to support interdisciplinary scientific teams conducting cutting-edge cancer molecular imaging research. ICMIC funding is designed to: (1) support innovative cancer molecular imaging research projects; (2) support unique core facilities; (3) enable the awardees to initiate pilot research in new promising directions; and (4) provide interdisciplinary career development opportunities for investigators new to the field of molecular cancer imaging.
Amount: $6,250,000
LOI: September 28, 2010; September 28, 2011
Deadline: October 28, 2010; October 28, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-157.html
Key Words**: Cancer Center, Imaging**

Quick-Trials for Imaging and Image-Guided Interventions: Exploratory Grants (R21)

PAR-08-147
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA) is intended to support clinical trials conducting preliminary evaluation of the safety and efficacy of imaging agents, as well as an assessment of imaging systems, image processing, image-guided therapy, contrast kinetic modeling, and 3-D reconstruction and other quantitative tools. The rapid translation of promising discoveries in the fields of imaging probes, methodologies, technologies and image-guided therapies to clinical practice requires timely support. This FOA will provide investigators with support for either pilot (Phase I and II) cancer clinical trials, or patient monitoring and laboratory studies. The imaging and Image-guided Intervention (IGI) studies, if proven successful in these early clinical trials, can then be validated in larger studies through competitive R01 mechanisms, or through clinical trials in the Specialized Programs of Research Excellence (SPOREs), Cancer Centers and/or Cooperative Groups.
Amount: $250,000
LOI: N/R
Deadline: August 11, 2010; December 10, 2010; April 11, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-147.html
Key Words**: Imaging Agents, Contrast Modeling, Probes**

Image-guided Drug Delivery in Cancer (R01)

PA-09-253
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages innovative translational research in the development of quantitative in vivo imaging characterization of image-guided drug delivery (IGDD) in cancer, including characterizations of the target, delivery validation, and therapy response. This FOA will support research in development of integrated imaging-based platforms for multifunctional and multiplexed drug delivery systems in cancer. Validation studies in non-human primates or large animal models and first in human studies directed towards translation of IGDD technology into the clinic will be considered appropriate for this FOA.
Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-253.html
Key Words**: IGDD, Image-Guided Drug Delivery, cancer**

Bioinformatics

Advances in Biological Informatics (ABI)

New

NSF 10-567
National Science Foundation (NSF)
The Advances in Biological Informatics (ABI) program seeks to encourage new approaches to the analysis and dissemination of biological knowledge for the benefit of both the scientific community and the broader public. The ABI program is especially interested in the development of informatics tools and resources that have the potential to advance, or transform, research in biology supported by the Directorate for Biological Sciences at the National Science Foundation. The ABI program accepts two major types of proposals: Innovation awards that seek to pioneer new approaches to the application of informatics to biological problems and Development awards that seek to provide robust cyberinfrastructure that will enable transformative biological research.
Amount: varies
LOI: N/R
Deadline: August 23, 2010
To learn more**:** http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5444
Key Words**:**

PFINDR: Phenotype Finder IN Data Resources: A Tool to Support Cross-study Data Discovery Among NHLBI Genomic Studies (UH2/UH3)

New

RFA-HL-11-020
National Heart, Lung, and Blood Institute (NHLBI)
This FOA invites applications for projects that propose to develop and apply advanced informatics approaches to categorize phenotypic measures in multiple datasets in data repositories to help researchers identify potentially relevant genomic studies across cardiovascular, lung, blood, and sleep research domains.
Amount: $5,000,000
LOI: August 16, 2010
Deadline: September 15, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-11-020.html
Key Words**:**

Healing Heroes (HH)

New

DARPA-BAA-10-62
Defense Advanced Research Projects Agency
(DARPA)
DARPA is soliciting innovative research proposals in the area of web-based approaches for medical and psychological health social networking, care delivery/telehealth, and informatics. Proposed research should investigate innovative approaches that enable revolutionary advances in science, technology, or systems. Specifically excluded is research that primarily results in evolutionary improvements to the existing state of practice.
Amount: varies
LOI: N/R
Deadline: October 13, 2010
To learn more**:** https://www.fbo.gov/index?s=opportunity&mode=form&id=cc4a3406f32c19142b6cba7ee23ea1ca&tab=core&_cview=0
Key Words**: Major Depressive Disorder, PTSD, TBI, On-line Resources, Social Networking, Predictive and Retrospective Medical Diagnostic and Treatment**

T32 Postdoctoral Research Fellowship

T32HL072757-02
University of Alabama at Birmingham (UAB)
The Section on Statistical Genetics in the Department of Biostatistics at the University of Alabama at Birmingham is accepting applications from statistical and other scientists for postdoctoral positions in statistical genetics, genetic epidemiology, microarray analysis, or proteomic analysis.
Amount: not specified
LOI: N/R

Deadline: Continuous. Fellowship positions are open until filled.
To learn more: http://www.soph.uab.edu/ssg/default.aspx?id=68
Key Words:

Postdoctoral Research Fellowships in Biology (PRFB)

NSF 07-580
NSF
This program solicitation serves as the focal point for all Postdoctoral Fellowships in the Directorate for Biological Sciences at the National Science Foundation.
Postdoctoral Fellowships in Biological Informatics are again being offered in fiscal years 2008, 2009, and 2010. The program description has been updated to reflect continuing development of the scientific opportunities at the intersections of biology, computer science, mathematics and statistics, and the physical sciences.
Amount: unspecified
LOI: N/R
Deadline: November 5; annually
To learn more: http://www.nsf.gov/pubs/2007/nsf07580/nsf07580.pdf
Key Words: **Biological Informatics**

Methodology, Measurement, and Statistics (MMS)

NSF 08-561
NSF
The MMS Program seeks proposals that are methodologically innovative, grounded in theory, and have potential utility for multiple fields within the social, behavioral, and economic sciences. Successful proposals often integrate across the following areas: The development, application, and extension of formal models and methodology for social and behavioral research, including methods for improving measurement. The proposed research must have implications for one or more of the social and behavioral sciences. The development of formal models that cross traditional disciplinary boundaries, including research on statistical methodology or statistical modeling having direct implications for one or more of the social and behavioral sciences. Research on methodological aspects of new or existing procedures for data collection, including methodology for survey research, and research to evaluate or compare existing data bases and data collection procedures. The collection of unique databases with cross disciplinary implications, especially when paired with developments in measurement or methodology. The organizational infrastructure of social and behavioral research.
Amount: varies
LOI: N/R
Deadline: August 16, annually; January 16, annually
To learn more: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08561
Key Words: **Statistical Surveys, Mental Health Assessment**

NLM Express Research Grant in Biomedical Informatics (R01)

PAR-08-080
NIH, NLM (National Library of Medicine)
The National Library of Medicine supports research grants that advance the sciences of biomedical informatics and bioinformatics. Informatics is concerned with the optimal management of information, and in practice is usually located at the intersection of computer and information sciences with an application domain such as health care, public health, basic biomedical research or clinical translational research.
Amount: varies
LOI: N/R
Deadline: multiple dates, see announcement
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-080.html
Key Words:

Continued Development and Maintenance of Software (R01)

PAR-08-010
NIH, Multiple Institutes and Centers
Biomedical research laboratories increasingly undertake a software development project to solve a problem of interest specifically related to that laboratory. These software packages sometimes become useful to a much broader community of users that can include translational and clinical researchers. The goal of this program announcement is to support the continued development, maintenance, testing and evaluation of existing software. The proposed work should apply best practices and proven methods for software design, construction, and implementation to extend the applicability of existing biomedical informatics/computational biology software to a broader biomedical research community.
Amount: $250,000

LOI: N/R
Deadline: Multiple, see announcement
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-010.html
Key Words:

Exploratory Collaborations with National Centers for Biomedical Computing [(R21) PAR-08-183] and [(R01) PAR-08-184]

PAR-08-183 and PAR-08-184
NIH Roadmap Initiatives
This funding opportunity announcement (FOA) is for projects from individual-investigators or small groups to collaborate with the NIH Roadmap for Medical Research National Centers for Biomedical Computing (NCBCs). For a description of the NCBCs see http://www.bisti.nih.gov/ncbc/. The intention of the collaborating projects is to engage researchers across the nation in building an excellent biomedical computing environment, using the computational tools and biological and behavioral application drivers of the funded NCBCs as foundation stones. This FOA is intended to support exploratory biomedical informatics and computational biology research—applications should be innovative, with high risk/high impact in new areas that are lacking preliminary data or development. Applications for R21 awards should describe projects distinct from those supported through the traditional R01 mechanism. For example, long-term projects, or projects designed to increase knowledge in a well-established area will not be considered for R21 awards.
Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-183.html and http://grants.nih.gov/grants/guide/pa-files/PAR-08-184.html
Key Words: **Bioinformatics**

Genome-Wide Association Analysis of Existing Data Sets for Arthritis and Musculoskeletal and Skin Diseases (R01)

PAR-08-123
NIH
This Funding Opportunity Announcement (FOA) issued by the National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health, solicits applications proposing genome-wide association studies (GWAS) of phenotypes relevant to the NIAMS mission, to be conducted with existing genetic and phenotypic data, such as may be obtained from the NIH database of Genotype and Phenotype (dbGaP) or other sources of genotype and phenotype data.
Amount: $220,000 annually
LOI: N/R
Deadline: June 18, 2010
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-123.html
Key Words:

NLM Independent Career Development Award for Biomedical Informatics (K22)

PAR-10-195
National Library of Medicine (NLM)
The purpose of the NLM Independent Career Development Award for Biomedical Informatics (K22) program is to facilitate the transition of investigators from the mentored to the independent stage of their careers by providing "protected time" for newly independent investigators to develop and receive support for their initial research programs. The award applies to biomedical informaticians who are pursuing research in clinical informatics, public health informatics or translational informatics. Preference will be given to candidates who received their informatics training at one of NLMs university-based training programs in biomedical informatics.
Amount: $405,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-195.html
Key Words:

Innovations in Biomedical Computational Science and Technology (R01)

PAR-09-218
National Institutes of Health (NIH), multiple institutes
The NIH is interested in promoting research and developments in biomedical informatics and computational biology that will support rapid progress in areas of scientific opportunity in biomedical research. As defined here, biomedical informatics and computational

biology includes database design, graphical interfaces, querying approaches, data retrieval, data visualization and manipulation, data integration through the development of integrated analytical tools, and tools for electronic collaboration, as well as computational and mathematical research including the development of structural, functional, integrative, and analytical computational models and simulations.
Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-218.html
Key Words**: Biomedical Informatics, Computational Biology, Database Design**

Predictive Multiscale Models of the Physiome in Health and Disease (R01)
PAR-08-023
National Institutes of Health (NIH)
The goal of this solicitation is to move the field of biomedical computational modeling forward through the development of more realistic and predictive models of health and disease. NIH recognizes the need for sophisticated, predictive, computational models of development and disease that encompass multiple biological scales. These models may be designed to uncover biological mechanisms or to make predictions about clinical outcome and may draw on a variety of data sources including relevant clinical data. Ultimately the models and the information derived from their use will enable researchers and clinicians to better understand, prevent, diagnose, and treat the diseases or aberrations in normal development. Specifically this program solicits the development of predictive multiscale models of health and disease states that must include higher scales of the physiome. The specific objectives are to develop multiscale models that are physiologically mechanistic and biomedically relevant, to bring together modeling and biomedical expertise to collaborate on building models, to validate and test models with standard datasets, and to develop models that can be explicitly shared with other modelers.
Amount: varies
LOI: Nonrequired letters of intent are due by August 16, 2010
Deadline: September 15, 2010.
To learn more**:** http://grants1.nih.gov/grants/guide/pa-files/PAR-08-023.html
Key Words**: Computational Biology, Computer Modeling, Mathematical Modeling (Medical), Outcomes Research (Medical), Physiological or Development Process**

Secondary Analyses of Existing Data Sets and Stored Biospecimens to Address Clinical Aging Research Questions (R01)
PA-09-265
National Institute on Aging (NIA)
The National Institute on Aging (NIA) invites applications to support short term projects involving secondary analysis of existing data sets or stored biospecimens, to address clinically-related issues on aging changes influencing health across the life span, and/or on diseases and disabilities in older persons.
Amount: $750,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-265.html
Key Words**: Secondary Analysis, Aging**

Archiving and Development of Social-behavioral Datasets in Aging Related Studies (R03)
PA-08-252
National Institute on Aging (NIA)
This Funding Opportunity Announcement (FOA), issued by the National Institute on Aging (NIA) is seeking small grant (R03) applications to stimulate and facilitate data archiving and development related to cognitive psychology, behavioral interventions in the context of randomized controlled trials (RCTs), demography, economics, epidemiology, behavioral genetics and other behavioral research on aging for secondary analysis.
Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-252.html
Key Words**: Aging, Databases**

Secondary Analyses of Social and Behavioral Datasets in Aging (R03)
PA-10-139

National Institute on Aging (NIA)
This Funding Opportunity Announcement (FOA), issued by the National Institute on Aging (NIA), is seeking small grant (R03) applications to conduct secondary analysis of social and behavioral data in aging. Specifically, NIA seeks applicants to: 1) stimulate and facilitate secondary analysis of data related to dynamics of health and disability, cognition, psychosocial and sociodemographic factors, genetics, and biomarkers, long term care, caregiving, behavioral medicine, retirement, economic status; 2) provide support for preliminary projects using secondary analysis that could lead to subsequent applications for other research grant award mechanisms; 3) provide support for analyses of new databases and experimental modules for purposes such as informing the design and content of future study waves; and 4) provide support for pilot research on under-utilized databases.
Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-139.html
Key Words**: Aging, Secondary Analysis, Existing Databases**

Deep Sequencing and Haplotype Profiling of Mental Disorders (Collaborative R01)

PAR-08-199
National Institute of Mental Health (NIMH)
With the initial stages of the Human Genome Project completed and new insights gained into the complex interplay of genomic function, genomic structure and the environment in mental disorders, attention is shifting towards the translational promise of the completed human sequence and a new era of genomic medicine in mental disorders. A special emphasis of this Funding Opportunity Announcement (FOA) issued by the National Institute of Mental Health (NIMH), National Institutes of Health (NIH), is to support applications that implement large-scale studies and innovative analytical designs that will disaggregate a given mental disorder into components of finite risks. These developments may be evolutionary or may be fundamentally new and may lead to paradigm shifts in the field. Applications submitted in response to this FOA may propose new technologies for cost effective whole genome analysis and in-depth sequencing and analysis of candidate genes and genomic regions in pedigrees or in a sample of unrelated cases with mental disorders. Applications for large-scale haplotype analysis and the development of new analytical methods also are encouraged.
Amount: varies
LOI: N/R
Deadline: Standard application deadlines for the R01 funding mechanism are February 5, June 5, and October 5.
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-199.html
Key Words**: Bioinformatics, DNA Sequencing, Genomics, Mental Disorders**

Short Courses on Mathematical, Statistical, and Computational Tools for Studying Biological Systems (R25)

PA-09-002
National Institute of General Medical Sciences (NIGMS)
National Center for Complementary and Alternative Medicine (NCCAM)
National Institute on Aging (NIA)
National Institute of Mental Health
This FOA issued by the National Institute of General Medical Sciences, the National Center for Complementary and Alternative Medicine, the National Institute on Aging and the National Institute of Mental Health encourages applications for Research Education Grants (R25) from institutions and organizations to conduct workshops and short courses to improve integration of mathematical, statistical, and computational approaches into biological and/or behavioral research. Support will be limited to activities that reach a wide audience of researchers. The program announcement is NOT intended for university course or curriculum development.
Amount: $1,000,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-002.html
Key Words**: Statistical Analysis, Behavioral Research, Computational Analysis**

NIDDK Education Program Grants (R25)

PAR-10-092
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
Office of Dietary Supplements (ODS/NIH)
This funding opportunity announcement (FOA) encourages Research Education (R25) grant applications from applicant organizations that propose to create educational opportunities to attract undergraduate students, graduate students, and postdoctoral fellows to careers in areas of biomedical or behavioral research of particular interest to the NIDDK, while fostering the career development of these students and fellows. The NIDDK is especially interested in attracting students and postdoctoral fellows from scientific disciplines underrepresented in disease-oriented biomedical research, such as engineering, informatics, computer science, and computational sciences, to encourage them to apply their expertise to research relevant to diabetes and other endocrine and metabolic diseases; digestive and liver diseases; nutrition; obesity research and prevention; and kidney, urologic and hematologic diseases.

Amount: $500,000
LOI: N/R
Deadline: Standard dates apply for the remaining cycles
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-092.html
Key Words**: Diabetes, Obesity, Nutrition, Informatics, Hematologic Diseases**

NIDCR Small Research Grants for Data Analysis and Statistical Methodology (R03)
PAR-09-182
National Institute of Dental and Craniofacial Research (NIDCR),
The goal of this funding opportunity announcement (FOA) is to support meritorious research projects that involve secondary data analyses or statistical methodology using existing dental or craniofacial database resources.
Amount: $200,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-182.html
Key Words**: Dentistry, Database, Statistical Analysis**

NIDCR Small Research Grants for Data Analysis and Statistical Methodology applied to Genome-wide Data (R03)
PAR-10-041
National Institute of Dental and Craniofacial Research (NIDCR)
This funding opportunity announcement (FOA) will support meritorious research projects that involve secondary data analyses or development of statistical methodology using existing genome-wide data, relevant to human dental or craniofacial conditions or traits.
Amount: $300,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-041.html
Key Words**: Craniofacial, Dental Conditions**

MAPGen Knowledge Base (MAPGenKB) and Coordination Center (U01)
RFA-HL-11-004
National Heart, Lung, and Blood Institute (NHLBI)
The National Heart, Lung, and Blood Institute (NHLBI) encourages grant applications under this Funding Opportunity Announcement (FOA) to develop and implement a Knowledge Base (KB) and Coordinating Center for the Consortium of Cross Organ Mechanism-Associated Phenotypes for Genetic Analyses of Heart, Lung, Blood, and Sleep Diseases (MAPGen for HLBS). This is one of two FOAs for the MAPGen program. The other FOA is for the Research Centers (RCs) of MAPGen and described separately in RFA-HL-11-005. The MAPGenKB will provide logistical and informatics support for the research across all RCs in the MAPGen consortium and synthesize the knowledge from the datasets of the RCs and other sources that are relevant to the goals of the MAPGen consortium. The data and tools generated from this consortium will be made available to the broad scientific community.
Amount: $5,500,000
LOI: August 2, 2010
Deadline: September 1, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-11-004.html
Key Words**: Genetic Analyses, Informatics**

NEI Research Grant for Secondary Data Analysis (R21)
PAR-09-252
National Eye Institute (NEI)
This FOA issued by the National Eye Institute (NEI), National Institutes of Health (NIH), encourages Research Project Grant for Secondary Data Analysis (R21) applications from institutions/organizations that propose to conduct secondary data analyses utilizing existing database resources. Applications may be related to, but must be distinct from, the specific aims of the original data collection. The NEI supports an extensive portfolio of clinical trials and large-scale epidemiologic research projects, wherein numerous data collection activities are required to meet each project's specific aims. The resultant wealth of data generated by these studies often provides unique, cost-effective opportunities to investigate additional research questions or develop new analytical approaches secondary to a project's originally intended purpose. Data are not limited to that collected under NEI support but these data are of highest programmatic interest. The R21 may be used to develop new statistical methodologies or to test hypotheses using existing data.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply

To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-252.html
Key Words: **Secondary Data Analysis, Epidemiological Research**

Development, Application, and Evaluation of Prediction Models for Cancer Risk and Prognosis (R01) and (R21)
PA-10-025 and PA-10-026
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages research applications from clinicians, epidemiologists, geneticists, statisticians, and translational researchers working in the field of cancer control and prevention to improve existing models for cancer risk and prognosis by developing innovative research projects that use existing data; develop new models for cancer risk and prognosis; and validate new models and evaluate their utility in research and clinic settings. To explore this opportunity, the NCI Division of Cancer Control and Population Sciences (DCCPS) and the Division of Cancer Treatment and Diagnosis (DCTD) encourage applications for research projects to develop, apply, and evaluate new and existing cancer risk and prognostic prediction models for use by researchers, clinicians, and the general public. This FOA is designed to provide a mechanism of support for investigators to address two major challenges in model development, which are: integrating diverse types of data (e.g., clinical, demographic, pathologic, environmental, epidemiologic, outcomes, and genetic data from varied data marts or warehouses); and ensuring adequate validation (i.e., using multiple separate populations to define sensitivity, specificity, and positive and negative predictive values).
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-025.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-026.html
Key Words: **Cancer control, Population Science**

Resource Program Grants in Bioinformatics (P41)
PAR-08-180
Eunice Kennedy Shriver National Institute of Child Health and Human Development
The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) solicits Resource Program Grants in Bioinformatics for supporting the continued operation, improvement, and dissemination of databases, digital information, or software tools that are unique, and of special importance to research using animal models of embryonic developmental processes.
Amount: $8,750,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-180.html
Key Words: **Bioinformatics**

Air Force Fiscal Year 2011 Young Investigator Research Program
AFOSR-BAA-2010-3
Department of Defense (DoD)
The Air Force Office of Scientific Research (AFOSR)
The AFOSR's Young Investigator Research Program (YIP) is to support scientists and engineers who have received Ph.D. or equivalent degrees in the last five years (on or after 1 May 2005) and who show exceptional ability and promise for conducting basic research. The objective of this program is to foster creative basic research in science and engineering, enhance early career development of outstanding young investigators, and increase opportunities for the young investigators to recognize Air Force mission and the related challenges in science and engineering. Proposals addressing the research areas of interest for the Air Force Research Laboratory will be considered.
Amount: $360,000
LOI: White papers may be submitted via email directly to a program manager
Deadline: July 28, 2010
To learn more: http://www.wpafb.af.mil/library/factsheets/factsheet.asp?id=9332
Key Words: **Collective Behavior and Socio-Cultural Modeling, Mathematical Modeling of Cognition and Decision, Systems and Software**

Biomedical Technology

Development of Assays for High-Throughput screening for use in Probe and Pre-therapeutic Discovery (R01)
New
PA-10-213

National Institutes of Health (NIH)
multiple institutes
This FOA issued by the NIDDK, NCI, NHLBI, NIA, NIAAA, NIAID, NIDR, NIGMS and NIMH of the National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose the development of assays for high throughput screening (HTS) relevant to processes and diseases specific to its mission with the intent of using them to screen for small molecule compounds that show desired properties as probes for use in advancing knowledge about the relevant target, identifying new targets, or serving as pre-therapeutic leads. The NIH launched a Molecular Libraries and Imaging initiative as part of the NIH Roadmap for Medical Research to establish a network of HTS screening centers which provide access to a large compound library, robotics to carry out the assays, and informatics to interpret the results (http://mli.nih.gov/mli/). This FOA seeks to establish a stream of scientifically and technologically outstanding assays for screening by these and other academic centers. Assays may involve targets indirectly related to disease, but which might provide insight into the biology of relevant diseases. Other targets might be associated with rare and neglected diseases, an area of increasing focus for the NIH (http://www.nih.gov/news/health/may2009/nhgri-20.htm). Assays should be relevant to the scope of the research for at least one of the sponsoring NIH Institutes
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-213.html
Key Words:

Fiscal Year (FY) 2010 Measurement Science and Engineering Research Grants Programs

New

2010-MSE-01
National Institute of Standards and Technology
Program Description: The Chemical Science and Technology Laboratory (CSTL) Grants Program will provide grants and cooperative agreements consistent with the CSTL mission in the following fields of measurement science research, focused on reference methods, reference materials and reference data: Biochemical Science, Chemical and Biochemical Reference Data, Process Measurements, Surface and Microanalysis Science, Thermophysical Properties, and Analytical Chemistry. Financial support may be provided for conferences, workshops, or other technical research meetings that are relevant to the mission of the Chemical Science and Technology Laboratory.
Biochemical Science Division: DNA chemistry, sequencing; Protein structure, properties, and modeling; Biomaterials; Biocatalysis and bioprocessing measurements. The contact person for this division is Dr. Laurie Locascio, and she may be reached at, (301) 975-2129.
Amount: $200,000
LOI: N/R
Deadline: applications will be considered on a continuing basis
To learn more: http://www.nist.gov/director/ocfo/grants/upload/2010_MSE_FFO120809.pdf
Key Words:

High-Throughput-Enabled Structural Biology Research (U01)

New

PAR-10-214
National Institute of General Medical Sciences (NIGMS)
This FOA encourages applications to establish partnerships between researchers interested in a biological problem of significant scope and researchers providing high-throughput structure determination capabilities through the NIGMS PSI:Biology network. Applicants to this FOA should propose work to solve a substantial biological problem for which the determination of many protein structures is necessary. The proteins should be amenable to high-throughput structure determination and/or should provide suitable targets to motivate new technology development. Awardee principal investigators will become part of the PSI:Biology Network Steering Committee and will work jointly with other investigators and NIH staff to manage the overall PSI:Biology initiative.
Amount: $2,500,000
LOI: Letters of Intent should be submitted 30 days before the anticipated receipt date.
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-214.html
Key Words:

HIV Incidence Assays with Improved Specificity (R01)

New

PA-10-212
National Institute of Allergy and Infectious Diseases (NIAID)

This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), solicits grant applications from institutions/organizations that propose to develop improved HIV incidence assays with increased specificity and reliability for distinguishing incident from chronic HIV infections.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-212.html
Key Words:

Basic Ordering Agreement (BOA) in Support of the Clinical Assay Development Network (CADN) to Facilitate Development and Validation of Clinical Assays

New

RFP-ST10-1078 (ST10-1078)
National Cancer Institute
The Clinical Assay Development Network (CADN) is a new program being initiated by the NCI's Division of Cancer Treatment and Diagnosis (DCTD) to facilitate development and validation of clinical assays. Comprehensive characterization of individual tumors promises to change the practice of medicine. This effort is being spurred by advances in our understanding of the biology of cancer and in the tremendously enabling technologies derived from the Human Genome Project. The timely translation of molecular findings to effective clinical tools will depend on the ability to rapidly evaluate the clinical relevance of molecular alterations observed in tumor specimens and to develop and technically validate assays to detect these alterations that can be used in the clinical setting. Significant amounts of data will be generated by the Patient Characterization Center, as well as in the cancer research community, that will be evaluated to determine which alterations found in human tumors are associated with clinical parameters of interest such as subclass of disease, risk of progression or likelihood of response to therapy. These data are expected to lead to development of new assays with the potential to guide clinical decision-making. The assays will be evaluated in both retrospective and prospective settings. Assays that will be used for clinical decision-making must meet criteria of performance such as those set out in guidance documents of the FDA and/or those recently published by the Strategy Group of the Program for the Assessment of Clinical Cancer Tests (PACCT) for integral assays in clinical trials.
Amount: unspecified
LOI: N/R
Deadline: July 23, 2010
To learn more: https://www.fbo.gov/index?s=opportunity&mode=form&id=5f88b4df4d9fc0f2b2aa06674f6ae743&tab=core&_cview=1
Key Words:

Continued Development and Maintenance of Software (R01)

PAR-08-010
NIH, Multiple Institutes and Centers
Biomedical research laboratories increasingly undertake a software development project to solve a problem of interest specifically related to that laboratory. These software packages sometimes become useful to a much broader community of users that can include translational and clinical researchers. The goal of this program announcement is to support the continued development, maintenance, testing and evaluation of existing software. The proposed work should apply best practices and proven methods for software design, construction, and implementation to extend the applicability of existing biomedical informatics/computational biology software to a broader biomedical research community.
Amount: $250,000
LOI: N/R
Deadline: Multiple, see announcement
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-010.html
Key Words:

Lab to Marketplace: Tools for Brain and Behavioral Research (SBIR [R43/R44])

PA-08-071
NIH
The NIH Blueprint for Neuroscience Research is a framework to enhance cooperative activities among the NIH Office of the Director and 15 NIH Institutes and Centers that support research on the nervous system. This Funding Opportunity Announcement (FOA) is released in affiliation with the Neuroscience Blueprint, with Institutes and Centers participating independently, and with participation by Institutes and Centers that are not part of the Blueprint. This FOA encourages the translation of technologies for brain or behavioral research from academic and other non-small business research sectors to the marketplace. Solicited from Small Business Concerns (SBCs) are Small Business Innovation Research (SBIR) grant applications that propose to further develop, make more robust, and make more user-friendly such technologies in preparation for commercial dissemination. It is expected that this activity will require partnerships and close collaboration between the original developers of these technologies and SBCs, which may be accomplished in any of a number of ways, including the use of multiple principle investigators.

Amount: varies
LOI: N/R
Deadline: continuous, see listing
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-071.html
Key Words:

Correlative Studies with Specimens from Multi-Site Trials (R21) [PA-08-133] and (R01) [PA-08-134]
PA-08-133 and PA-08-134
NIH
This Funding Opportunity Announcement (FOA) is intended to support translational correlative studies that utilize annotated tumor and/or other biospecimens collected during large-scale multi-institutional clinical and/or prevention trials, respectively. The Cancer Therapy Evaluation Program (CTEP), the Cancer Diagnosis Program (CDP), and the Cancer Biomarkers Research Group (CBRG) of the NCI are cooperatively sponsoring this FOA with the overarching goal to facilitate predictions of responses to current interventions, and inspire future development of improved therapeutic and preventive strategies. Projects proposed in response to this FOA should address the correlations between intervention outcomes and cancer patients' disease characteristics determined at various cellular/molecular levels. For example, disease progression patterns may be correlated with tumor genotypic and/or phenotypic profiles (at the levels of the genome, epigenome, gene expression and/or protein and non-protein molecular markers. This FOA will only support studies that use tumor specimens linked to specific interventions/trials. To be able to achieve these translational goals, the proposed projects are expected to rely on interactions between basic researchers and clinical investigators, in order to improve future drug development and interventions.
Amount: Direct costs are limited to $275,000 over an R21 2-year period, with no more than $200,000 in direct costs allowed in any single year.
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-133.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-134.html
Key Words:

Improvements to Biological Research Collections (BRC)
NSF 09-548
National Science Foundation (NSF)
Directorate for Biological Sciences
Division of Biological Infrastructure
The Improvements to Biological Research Collections Program provides funds for improvements to network, secure, and organize established natural history collections for sustained, accurate, and efficient accessibility of the collection to the biological research community.
The BRC program is encouraging collaborative proposals to network collections on regional and continental scales, especially collaborations that bring large and small collections together into networks. The BRC program also provides for enhancements to existing collections to improve collections, computerize specimen-related data, develop better methods of specimen curation and collection management through activities such as symposia and workshops.
Biological collections supported include those housing natural history specimens and jointly curated collections such as preserved tissues and other physical samples, e.g. DNA libraries and digital images. Such collections provide the materials necessary for research across broad areas of biological sciences.
Amount: $500,000-$2,000,000
LOI: N/R
Deadline: Fourth Friday in July, Annually
To learn more: http://www.nsf.gov/pubs/2009/nsf09548/nsf09548.htm?govDel=USNSF_25
Key Words: **Preserved Tissues and other Physical Samples, e.g. DNA libraries and digital images.**

Living Stock Collections for Biological Research (LSCBR)
NSF 09-550
National Science Foundation (NSF)
Directorate for Biological Sciences
Division of Biological Infrastructure
The Living Stock Collections for Biological Research (LSCBR) program supports improvements in and partial operation of existing collections of living organisms (including viruses and bacteriophages) to be used in basic biological research. The program provides support for two types of projects. Short-term projects are one-time awards (up to 36 months) leading to innovative handling of living stocks or to well-defined improvements in existing collections, including those not otherwise supported by LSCBR. Longer-term projects (up to 60 months) help support ongoing operation of collections significant to the NSF research community. Collections receiving longer-term support are expected to receive significant support from user fees or other mechanisms of revenue generation.
Amount: varies

LOI: N/R
Deadline: July 7, 2010, July 6, 2011
To learn more: http://www.nsf.gov/pubs/2009/nsf09550/nsf09550.htm?govDel=USNSF_25
Key Words: **Biological Stock, Cultures, Virus, Bacteria**

Doctoral Dissertation Improvement Grants in the Directorate for Biological Sciences

NSF 08-564
National Science Foundation
The National Science Foundation awards Doctoral Dissertation Improvement Grants in selected areas of the biological sciences. These grants provide partial support of doctoral dissertation research to improve the overall quality of research. Allowed are costs for doctoral candidates to participate in scientific meetings, to conduct research in specialized facilities or field settings, and to expand an existing body of dissertation research.
Amount: varies
LOI: N/R
Deadline: Third Friday in November, Annually
To learn more: http://www.nsf.gov/pubs/2008/nsf08564/nsf08564.htm?govDel=USNSF_25
Key Words: **Biological Sciences, Biomedical Research Resources, Biomedical Research Training, Health and Medicine**

Bioengineering Research Grants (BRG)[R01]

PA-06-419
National Institutes of Health (NIH), multiple institutes
The BRGs support multi-disciplinary research performed in a single laboratory or by a small number of investigators that applies an integrative, systems approach to develop knowledge and/or methods to prevent, detect, diagnose, or treat disease or to understand health and behavior. A BRG application may propose hypothesis-driven, discovery-driven, developmental, or design-directed research.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-06-419.html
Key Words: **Imaging, Bioengineering, Arthritis, Musculoskeletal and Skin Diseases, Dental and Craniofacial, Neurological Disorders, Stroke, CAM**

Transforming Biomedicine at the Interface of the Life and Physical Sciences (R01)

PAR-10-141 and PAR-10-142
National Institutes of Health (NIH)
National Science Foundation (NSF)
The goal of this funding opportunity announcement, issued by the National Institutes of Health and the National Science Foundation, is to stimulate quantitative and physical scientists to work with biomedical scientists to transform technological innovation and basic knowledge in the quantitative sciences into new or improved devices or systems for health care.
Amount: varies
LOI: April 18, 2011; April 18, 2012
Deadline: May 18, 2011; May 18, 2012
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-141.html and http://grants.nih.gov/grants/guide/pa-files/PAR-10-142.html
Key Words: **Medical Devices**

SHIFT Award: Small Businesses Helping Investigators to Fuel the Translation of Scientific Discoveries [SBIR: R43/R44]

PA-10-122
National Institutes of Health (NIH)
multiple institutes
The primary objectives of the SHIFT SBIR initiative are: (1) to foster research that is translational in nature and (2) to transform academic scientific discoveries into commercial products and services. Academic researchers can be a driving force for new products and services in a small business concern (SBC). A major feature of the SHIFT program includes the requirement for an investigator who is primarily employed by a United States research institution at the time of application to transition to a small business concern (SBC) and be primarily employed (more than 50% time) by the SBC by or at the time of award. A SHIFT SBIR grant enables an SBC to increase both its scientific research staff and its core competencies. The Project Director/Principal Investigator (PD/PI) may also

facilitate SBC licensing of intellectual property (IP) from the PD/PI's prior academic institutions, promote collaboration opportunities with academic investigators, and enable better access to academic resources.
Amount: up to $2,250,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-122.html
Key Words**: Translational Research**

Bioengineering Research Partnerships (BRP)[R01]
PAR-07-352
National Institutes of Health (NIH)
multiple institutes
Participating Institutes and Centers (ICs) of the National Institutes of Health (NIH) invite applications for R01 awards to support Bioengineering Research Partnerships (BRPs) for basic, applied, and translational multi-disciplinary research that addresses important biological or medical research problems. In the context of this program, a partnership is a multi-disciplinary research team that applies an integrative, systems approach to develop knowledge and/or methods to prevent, detect, diagnose, or treat disease or to understand health and behavior. The partnership must operate according to a clear leadership plan and include appropriate bioengineering or allied quantitative sciences in combination with biomedical and/or clinical components. BRP may propose, within a 12-page research strategy section, design-directed, developmental, discovery-driven, or hypothesis-driven research at universities, national laboratories, medical schools, large or small businesses, or other public and private entities or combinations of these entities, and will be evaluated against expanded review criteria. It is expected that a BRP will have a well-defined goal or deliverable that will be achieved in a 5-10 year timeframe based on objective milestones specified in the initial application.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-07-352.html
Key Words**: Bioengineering**

Bioengineering Research Grants (BRG)(R01)
Exploratory/Developmental Bioengineering Research Grants (EBRG) [R21]
PA-10-009 and PA-10-010
National Institutes of Health (NIH)
multiple agencies
Participating Institutes and Centers of the NIH invite applications for R01 awards to support Bioengineering Research Grants (BRGs) for basic and applied multi-disciplinary research that addresses important biological, bioengineering or medical research problems. The BRGs support multi-disciplinary research performed in a single laboratory or by a small number of investigators that applies an integrative, systems approach to develop knowledge and/or methods to prevent, detect, diagnose, or treat disease or to understand health and behavior. A BRG application may propose hypothesis-driven, discovery-driven, developmental, or design-directed research.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-009.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-010.html
Key Words**: Bioengineering, Technology**

Predictive Multiscale Models of the Physiome in Health and Disease (R01)
PAR-08-023
National Institutes of Health (NIH)
The goal of this solicitation is to move the field of biomedical computational modeling forward through the development of more realistic and predictive models of health and disease. NIH recognizes the need for sophisticated, predictive, computational models of development and disease that encompass multiple biological scales. These models may be designed to uncover biological mechanisms or to make predictions about clinical outcome and may draw on a variety of data sources including relevant clinical data. Ultimately the models and the information derived from their use will enable researchers and clinicians to better understand, prevent, diagnose, and treat the diseases or aberrations in normal development. Specifically this program solicits the development of predictive multiscale models of health and disease states that must include higher scales of the physiome. The specific objectives are to develop multiscale models that are physiologically mechanistic and biomedically relevant, to bring together modeling and biomedical expertise to collaborate on building models, to validate and test models with standard datasets, and to develop models that can be explicitly shared with other modelers.
Amount: varies
LOI: Nonrequired letters of intent are due by August 16, 2010
Deadline: September 15, 2010.

To learn more**:** http://grants1.nih.gov/grants/guide/pa-files/PAR-08-023.html
Key Words**: Computational Biology, Computer Modeling, Mathematical Modeling (Medical), Outcomes Research (Medical), Physiological or Development Process**

NIDCD Research Core Centers (P30)

PAR-10-077
National Institute on Deafness and Other Communication Disorders (NIDCD)
The NIDCD P30 Core Center grant contains one or more research-serving cores, providing centralized resources and facilities for funded R01 research projects. Although no funds are provided for direct support of research projects, a P30 helps to integrate and promote research in existing funded projects, and may include multi-disciplinary and regional collaborations. A Core Center must be an identifiable organizational unit either within a single grantee institution or representing a consortium of cooperating institutions (e.g., geographic or web-based). The Center may serve as an intellectual hub to stimulate cooperative research, to increase the effectiveness, capabilities or productivity of current research, and/or to promote new research directions through collaborations. Individual research cores of the Core Center may provide for sharing technical expertise or centralizing labor-intensive tasks common among several investigators (PD/PIs); staffing, training and maintenance of shared equipment or resources, including tools or staffing to enhance activities such as recruitment databases for clinical projects; or problem-solving through innovative technical solutions using the most current methodologies. NIDCD P30 funds do not provide patient services, or support unfunded pilot studies, or facilitate research other than for funded user projects, unless directly related to advancing the potential of the Core Center itself. A P30 may provide benefits to other core centers or the larger community through sharing data or technology.
Amount: $2,500,000
LOI: 30 days before application receipt dates
Deadline: October 1, 2010, February 1, 2011, June 1, 2011, September 30, 2011, February 1, 2012, June 1, 2012, October 1, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-077.html
Key Words**: Shared Equipment, Resource Cores, Communication Disorders**

Advanced Neural Prosthetics Research and Development (U01)

PA-09-063
National Institute of Neurological Disorders and Stroke (NINDS)
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Institute of Biomedical Imaging and Bioengineering (NIBIB)
The purpose of this Funding Opportunity Announcement (FOA) is to encourage applications to pursue translational and pilot clinical studies for neural prosthetics. The program will utilize the cooperative agreement mechanism to enable support for milestone-driven projects for the design, development, and demonstration of clinically-useful neural prosthetic devices. Activities supported in this program include implementation of clinical prototype devices, preclinical safety and efficacy testing, design verification and validation activities, pursuit of regulatory approval for clinical study, and proof-of-concept or pilot clinical studies.
Amount: $5,000,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-063.html
Key Words**: Neural Prosthetics**

Assay Development for High Throughput Molecular Screening (R21)

PAR-10-182
National Institute of Neurological Disorders and Stroke (NINDS)
This FOA will facilitate the discovery of new molecular probes for investigating biological function by funding the development and adaptation of biological assays for use in automated High-Throughput Screening (HTS) projects. These HTS-ready assays can then be screened by the Molecular Libraries Production Centers Network (MLPCN) to identify biologically active compounds in a large library of small molecule chemical structures. This Program and the MLPCN are both components of the NIH Molecular Libraries and Imaging Roadmap Initiative (http://nihroadmap.nih.gov/molecularlibraries/index.asp).
Amount: $100,000
LOI: N/R
Deadline: June 29, 2010; October 29, 2010
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-182.html
Key Words**:**

Development and Application of PET and SPECT Imaging Ligands as Biomarkers for Drug Discovery and for Pathophysiological Studies of CNS Disorders (R21)

PA-10-023 and PAR-10-024

National Institute of Mental Health (NIHM)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Biomedical Imaging and Bioengineering (NIBIB)
National Institute on Drug Abuse (NIDA)
This Funding Opportunity Announcement (FOA) invites research grant applications from organizations/institutions that propose the development of novel radioligands for positron emission tomography (PET) or single photon emission computed tomography (SPECT) imaging in human brain, and that incorporate pilot or clinical feasibility evaluation in pre-clinical studies, model development, or clinical studies.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-023.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-024.html
Key Words: **PET, SPECT, radioligands, Small Business Innovation Research (SBIR [R43/R44])**

Centers for High-Throughput Structure Determination (U54)

RFA-GM-10-005
National Institute of General Medical Sciences (NIGMS)
This FOA solicits applications to establish Centers for High-Throughput Structure Determination that will become the backbone of the NIGMS PSI: Biology network for high-throughput-enabled structural biology. The centers must be able to provide capabilities for high-throughput structure determination on the order of those that have been developed during previous phases of the Protein Structure Initiative (PSI), e.g., ~ 200 structures per year deposited in the Protein Databank (PDB).
Amount: $40,000,000
LOI: September 28, 2011
Deadline: October 28, 2011
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-10-005.html
Key Words: **Protein Structure Determination, High-Throughput, Technology Development**

Technology Development for Protein Modeling (P01) and (R01)

PAR-10-075 and PAR-10-076
National Institute of General Medical Sciences (NIGMS)
This FOA issued by the National Institute of General Medical Sciences (NIGMS), National Institutes of Health, encourages grant applications from institutions/organizations that propose to develop novel technologies that will significantly improve the accuracy of comparative modeling methods for protein structure prediction.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-075.html and http://grants.nih.gov/grants/guide/pa-files/PAR-10-076.html
Key Words: **Protein Structure Prediction, Modeling, X-ray Crystallography, Protein Sequencing**

Team-Based Design in Biomedical Engineering Education (R25)

PAR-10-140
National Institute of Biomedical Imaging and Bioengineering (NIBIB)
Eunice K. Shriver National Institute of Child Health and Human Development (NICHD)
This FOA, issued by the National Institute of Biomedical Imaging and Bioengineering (NIBIB) and the Eunice K. Shriver National Institute of Child Health and Human Development (NICHD), encourages applications from institutions that propose to establish new or to enhance existing team-based design courses in undergraduate Biomedical Engineering departments or programs. This FOA targets undergraduate students at the senior level but may also include junior undergraduates and first-year graduate students. Courses that address innovative and/or ground-breaking development, multidisciplinary/interdisciplinary training, and diversity recruitment are especially encouraged.
Amount: $200,000
LOI: April 18, 2011; April 18, 2012
Deadline: May 18, 2011; May 18, 2012
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-140.html
Key Words: **Biomed Engineering**

NIBIB Biomedical Technology Resource Centers (P41)

PAR-10-153
National Institute of Biomedical Imaging and Bioengineering (NIBIB)
This FOA issued by the National Institute of Biomedical Imaging and Bioengineering (NIBIB), National Institutes of Health (NIH), encourages grant applications for Biomedical Technology Resource Centers (BTRCs) that are funded using the P41 mechanism. BTRCs conduct research and development on new technologies that are driven by the needs of basic, translational, and clinical researchers. BTRCs also make their technologies available, train members of the research community in the use of the technologies, and disseminate these technologies broadly.
Amount: $3,500,000
LOI: 30 days prior to each submission date
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-153.html
Key Words**: Bioimaging**

NIH Small Research Grant Program (Parent R03)
PA-09-163
National Human Genome Research Institute (NHGRI)
National Institute on Drug Abuse (NIDA)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Allergy and Infectious Diseases (NIAID)
National In
The National Institutes of Health (NIH) Investigator-Initiated Small Grant (R03) funding opportunity supports small research projects that can be carried out in a short period of time with limited resources. Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigator's area of interest and competency. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. All investigator-initiated small grant applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests.
Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-163.html
Key Words**: Small Grants**

Selected Topics in Transfusion Medicine (R21) and (R01)
PAR-10-033 and PAR-10-034
National Heart, Lung, and Blood Institute (NHLBI)
This FOA issued by the National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health (NIH), encourages research grant applications from investigators who propose to study topics that will determine blood banking and transfusion practice.
Amount: $275,000 and up
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-033.html and http://grants.nih.gov/grants/guide/pa-files/PAR-10-034.html
Key Words**: Blood Banking, Transfusion**

New Approaches to Arrhythmia Detection and Treatment (SBIR [R43/R44]) and (STTR [R41/R42])
PA-10-117 and PA-10-118
National Heart, Lung, and Blood Institute (NHLBI)
This Funding Opportunity Announcement (FOA) encourages Small Business Innovation Research (SBIR) grant applications from small business concerns (SBCs) that propose to improve our ability to detect, prevent, and treat all forms of cardiac arrhythmias. This initiative encourages SBCs to develop improved diagnostic and therapeutic tools, products, or devices for cardiac arrhythmia monitoring, detection and treatment.
Amount: up to $1,200,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-117.html
Key Words**: Cardiac Arrhythmia**

New Technologies for Transient Molecular Complex Characterization (STTR [R41/R42])
PA-08-111
National Center for Research Resources
National Institute of Allergy and Infectious Diseases
National Institute of Environmental Health Sciences
National Institute of General Medical Sciences
This Funding Opportunity Announcement (FOA) encourages Small Business Innovation Research (SBIR) grant applications from small business concerns (SBCs) that propose to develop new technologies, tools, and/or processes for the study of transient molecular complexes. Depending on the complex, such studies should have the potential for characterizing normal function or disease dysfunction and the effects of potential therapeutic interventions. Awards will be used to create new technologies, tools, and/or processes that will help to study transient molecular complexes that are an integral part of normal cell physiology or that play a role in disease processes. Structural (stoichiometry, localization, symmetry, and overall shape) and kinetic characterization of these short-lived complexes will provide insight leading to a better understanding of normal processes and a means to efficiently search for diagnostics or therapeutic interventions for disease conditions.
Amount:
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-111.html
Key Words**:**

Centers of Biomedical Research Excellence (COBRE) (P20)
PAR-09-079
National Center for Research Resources (NCRR)
The National Center for Research Resources (NCRR) of the NIH invites applications for Centers of Biomedical Research Excellence (COBRE) from investigators at biomedical research institutions that award doctoral degrees in the health sciences or sciences related to health or at independent biomedical research institutes within Institutional Development Award (IDeA) eligible states. The objective of the COBRE initiative is to strengthen an institution's biomedical research infrastructure through the establishment of a thematic multi-disciplinary center and to enhance the ability of investigators to compete independently for complementary National Institutes of Health (NIH) individual research grant or other external peer-reviewed support. COBRE awards are supported through the IDeA Program, which aims to foster health-related research by increasing the competitiveness of investigators at institutions located in states with historically low aggregate success rates for grant awards from the NIH.
Amount: $7,500,000
LOI: January 2, 2011
Deadline: February 1, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-079.html
Key Words**: Infrastructure**

Renewal of Centers of Biomedical Research Excellence (COBRE) [P20]
PAR-09-180
National Center for Research Resources (NCRR)
The National Center for Research Resources (NCRR) of the NIH invites applications for renewal (competing continuation) of eligible Centers of Biomedical Research Excellence (COBRE) grants. The objective of the COBRE initiative is to strengthen an institution's biomedical research infrastructure through the establishment of a thematic, multi-disciplinary center and to enhance the ability of investigators to compete independently for National Institutes of Health (NIH) individual research grants or other external peer-reviewed support. COBRE awards are supported through the Institutional Development Award (IDeA) Program, which aims to foster health-related research by increasing the competitiveness of investigators at institutions located in states with historically low aggregate success rates for grant awards from the NIH.
Amount: $2,200,000
LOI: N/R
Deadline: September 22, 2010, September 22, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-180.html
Key Words**: Multi-disciplinary centers, COBRE**

Centers of Biomedical Research Excellence (COBRE) Phase III: Transitional Centers [P30]
PAR-10-196
National Center for Research Resources (NCRR)
The National Center for Research Resources (NCRR) of the NIH invites applications for COBRE infrastructure support grants. The objectives of this FOA are to continue support of infrastructure at Centers of Biomedical Research Excellence (COBRE) that have received 10 years of funding from NCRR. This FOA is supported through the Institutional Development Award (IDeA) Program at the National Center for Research Resources (NCRR) of NIH.

Amount: $3,750,000
LOI: N/R
Deadline: July 20, 2010, July 20, 2011. and July 20, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-196.html
Key Words**: IDeA, Core Resources, Equipment Upgrades and Replacement,**

Development of Animal Models and Related Biological Materials For Research (R21)

PA-10-138
National Center for Research Resources (NCRR)
This funding opportunity announcement (FOA) issued by NCRR, National Institutes of Health, encourages research grant applications from institutions/ organizations that propose to develop, characterize or improve animal models for human disease or to improve diagnosis and control diseases of laboratory animals that may interfere with research. Models to be considered must be applicable to the research interests of two or more categorical NIH Institutes/Centers. Investigators considering applying are strongly encouraged to consult with NCRR program staff as early as possible to be advised whether this FOA is appropriate. Proposals to develop models that would not have broad applications, but would apply only to a specific disease or category of research, should be proposed to the appropriate categorical institute of the National Institutes of Health (NIH), e.g., models or model systems with primary focus on cancer or heart diseases should contact those categorical institutes at NIH to discuss alternative funding opportunities.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-138.html
Key Words**: Animal Models of Disease**

Strategic Partnering to Evaluate Cancer Signatures [SPECS II] (U01)

PAR-10-126
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI) of the National Institutes of Health (NIH), encourages the submission of grant applications for support of the clinical application of multi-analyte molecular signatures derived from comprehensive molecular annotation of tumors. There is growing recognition in the clinical cancer research community that annotation of tumor specimens with data that integrates information about molecular alterations at the levels of DNA, RNA, and protein provides not only a more complete understanding of tumor biology but also provides a significant opportunity for developing new clinical tools to improve cancer treatment. Translating the knowledge gained from this molecular annotation into tools that can be used in clinical decision-making remains a major challenge. The purpose of this initiative is to build on recent demonstrations that molecular signatures correlate with important clinical parameters in cancer. The goal of this initiative is also to create publications and data sets that will be available and accessible to the scientific community in order to further the development, design, and conduct of future clinical trials (e.g., incorporation of molecular signatures into future clinical trials and large clinical validation studies) and to encourage appropriate commercialization to benefit the public health. The NCI invites investigators to form strategic partnerships that will bring together the multi-disciplinary expertise and resources needed to determine how the information derived from comprehensive molecular analyses can be used to improve patient care and, ultimately, patient outcomes.
Amount: varies
LOI: May 15, 2011, May 15, 2012
Deadline: June 15, 2011, June 15, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-126.html
Key Words**: Molecular Signatures, Diagnostic Tools, Assessment**

Application and Early Stage Development of Emerging Technologies in Cancer Research (R21) and (R33)

RFA-CA-10-003 and RFA-CA-10-004
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), National Institutes of Health (NIH), solicits grant applications that propose exploratory research projects on the initial application of emerging analytical technologies as laboratory or clinical tools. An “emerging technology” is defined as one that has passed the initial developmental stage, but has not yet been evaluated within the context of its intended use. Projects proposed in response to this FOA should have the potential to produce a major impact in a broad area of cancer-relevant research. If successful, these technologies would accelerate research in cancer biology, cancer treatment and diagnosis, cancer prevention, cancer control and epidemiology, and/or cancer health disparities. This FOA solicits R21 applications that have high potential impact and allows for an element of technical risk; preliminary data are not required. All projects must include quantitative milestones (i.e. technical metrics that determine whether the specific aims have been accomplished). Projects proposing to use established technologies where the novelty resides in the biological or clinical question being pursued are not appropriate for this solicitation and will be returned as non-responsive. This funding opportunity is part of a broader NCI-sponsored Innovative Molecular Analysis Technologies (IMAT) Program.
Amount: $275,000

LOI: August 30, 2011
Deadline: September 30, 2011
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-10-003.html and http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-10-004.html
Key Words**: Biospecimens, Tumor**

Quick-Trials for Imaging and Image-Guided Interventions: Exploratory Grants (R21)

PAR-08-147
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA) is intended to support clinical trials conducting preliminary evaluation of the safety and efficacy of imaging agents, as well as an assessment of imaging systems, image processing, image-guided therapy, contrast kinetic modeling, and 3-D reconstruction and other quantitative tools. The rapid translation of promising discoveries in the fields of imaging probes, methodologies, technologies and image-guided therapies to clinical practice requires timely support. This FOA will provide investigators with support for either pilot (Phase I and II) cancer clinical trials, or patient monitoring and laboratory studies. The imaging and Image-guided Intervention (IGI) studies, if proven successful in these early clinical trials, can then be validated in larger studies through competitive R01 mechanisms, or through clinical trials in the Specialized Programs of Research Excellence (SPOREs), Cancer Centers and/or Cooperative Groups.
Amount: $250,000
LOI: N/R
Deadline: August 11, 2010; December 10, 2010; April 11, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-147.html
Key Words**: Imaging Agents, Contrast Modeling, Probes**

Innovative Technology Development for Cancer Research (R21)

RFA-CA-10-005
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA) issued by the National Cancer Institute (NCI), National Institutes of Health (NIH), solicits grant applications proposing technically innovative feasibility studies focused on early stage development of cancer-relevant technologies. If successful, these technologies would accelerate the research and understanding of basic cancer biology, cancer treatment and diagnosis, cancer prevention, cancer control and epidemiology, and/or cancer health disparities. This FOA solicits R21 applications and is suitable for projects at their inception, conceptual or idea based, where technical feasibility of the proposed technology or methodology has not yet been established. The R21 mechanism requires high potential impact and allows for an element of technical risk; projects proposed in response to this FOA may reflect this level of risk but must have concurrent potential to produce a major impact in a broad area of cancer-relevant research. All projects must include quantitative milestones (i.e. technical metrics that determine whether the specific aims have been accomplished). Projects proposing to use technology that is already established or projects where the novelty resides in the biological or clinical question being pursued are examples of topics not appropriate for this solicitation and will be returned as non-responsive. This funding opportunity is part of a broader NCI-sponsored Innovative Molecular Analysis Technologies (IMAT) Program.
Amount: $500,000
LOI: August 30, 2012
Deadline: September 30, 2012
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-10-005.html
Key Words**: Biospecimens, Tumor**

Validation and Advanced Development of Emerging Technologies in Biospecimen Science (R33) and (R21)

RFA-CA-10-002 and RFA-CA-10-001
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), National Institutes of Health (NIH), solicits grant applications proposing technically innovative feasibility studies focused on the advanced development and validation of cancer-relevant technologies that address the issues related to pre-analytical variations in the collection, processing, handling, and storage of biospecimens or its derivatives. The overall goal is to develop technologies capable of interrogating and/or maximizing the quality and utility of biospecimens or their derived samples for downstream molecular analyses. This FOA will support the development of tools, devices, instrumentation, and associated methods to assess sample quality, preserve/protect sample integrity, and establish verification criteria for quality assessment/quality control and handling under diverse conditions. This FOA solicits R33 applications; this mechanism is suitable for projects where proof-of-principle of the proposed technology or methodology has already been established and supportive preliminary data are available. Projects proposing to use established technologies where the novelty resides in the biological or clinical question being pursued is an example of a topic not appropriate for this solicitation and will be returned as non-responsive. This funding opportunity is part of a broader NCI-sponsored Innovative Molecular Analysis Technologies (IMAT) Program. Mechanism of Support. This FOA will utilize the R33 grant mechanism and runs in parallel with a FOA of identical scientific scope, RFA-CA-10-001 that solicits applications under the NIH Exploratory/Developmental R21 grant mechanism.

Amount: $900,000
LOI: April 27, 2010; August 30, 2010
Deadline: May 27, 2010; September 30, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-10-002.html and http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-10-001.html
Key Words: **Biospecimens, Tumor**

Autonomous Robotic Manipulation Software Track (ARM-S)
Broad Agency Announcement (BAA)
DARPA-BAA-10-28
Information Processing Techniques Office (IPTO)
Defense Advanced Research Projects Agency (DARPA)
DARPA seeks innovation to advance the capability of autonomous robotic mobile manipulation. Many systems utilize manipulators to perform tasks with direct manipulator control by human operators who are in a remote location. Often, a manipulator is located on a mobile platform such as a ground robotic vehicle, underwater vehicle, or space vehicle. The envisioned DARPA Autonomous Robotic Manipulation (ARM) program will develop autonomous capabilities for mobile manipulators that improve task performance while, at the same time, removing direct human control. The envisioned Software Track will develop software for grasping, manipulation, and mobile manipulation. It is also envisioned the Software Track will run in parallel with a Hardware Track, and described under a separate BAA contemplated for release at a later date.
Amount: $1,250,000
LOI: March 19, 2010
Deadline: August 2, 2010
To learn more: https://www.fbo.gov/download/43d/43d6de2bf57c65d9f342d499d5442d2f/DARPA-BAA-10-28_ARM-Software_02Feb10.pdf
Key Words: **Robotics**

International Research in Homeland Security Science & Technology Projects
DHS-I0-ST-I08-001
Department of Homeland Security (DHS)
Science & Technology Directorate (S&T)
S&T's Chemical and Biological Division is conducting analyses to characterize and prioritize threats. It develops detection systems to provide early warning of a possible attack so as to minimize exposure and speed treatment of victims, conducts forensic analyses to support attribution, and works with our Federal partners who have lead responsibilities in decontamination and restoration, agrodefense, and food security.
Areas of interest for research identified by this Division include:
• Bioforensics
• Next-generation bioassays
• Chemical decontamination
• Foreign animal disease vaccines & diagnostics
• Next-generation biodetection
High-priority technology needs identified by this Division include:
• Tools to detect and mitigate animal disease breakouts
• Improved tools for integrated chemical, biological, radiological, and nuclear (CBRN) risk assessment
• Incident characterization capability for response and restoration
• Improved chemical and biological forensic analysis capability
• Consequence assessments of attacks on chemical facilities and ChemlBio attacks on other critical infrastructure
• Integrated chemical, biological, radiological, nuclear, and explosive CBRNE sensor reporting capability
• Handheld rapid biological and chemical detection systems
• Detection paradigms and systems for enhanced, emerging and novel biological threats
Amount: $750,000
LOI: N/R
Deadline: September 10, 2010
To learn more:
http://www07.grants.gov/search/synopsis.do;jsessionid=2PP1K9LcJx0pSmV0lyjL8SfDpBqhT2WG2vcNGZLdLHyYYf0ln1tW!-1163459943
Key Words: **Next Generation, Bioassays**

Defense Sciences Research & Technology
DARPA-BAA-10-55
Defense Sciences Research & Technology

Defense Sciences Office (DSO)
The mission of the Defense Advanced Research Projects Agency's (DARPA) Defense Sciences Office (DSO) is to pursue and exploit fundamental science and innovation for National Defense. Therefore, DSO is soliciting proposal abstracts and full proposals for advanced research and development in a variety of enabling technical areas.
Basic Neuroscience Research: DSO is interested in neuroscience research ideas enabling innovation in the science and technology for improved human performance, specifically to overcome the challenges encountered in the operational environment. The areas for research may span fundamental, applied, and computational neuroscience.
Physics of Nano-Materials and Devices: DSO is interested in fundamental and applied research in nano-materials, design methodologies, and potential device application (e.g., navigation, communication, and sensing of chemical, biological, optical, infrared, acoustic, magnetic, and other signals of interest).
Basic Biology Research: DARPA is interested in fundamental and applied research in the biological sciences across all scales (e.g., quantum to ecological) to contribute to defense capabilities including development of synergies with other disciplines (e.g., information technology, micro/nanotechnology, manufacturing). While broad in scope, novel approaches to biomedical applications, biological warfare defense, and human performance optimization are of particular interest.
Amount: unspecified
LOI: N/R
Deadline: anytime until May 5, 2011
To learn more**:** https://www.fbo.gov/?s=opportunity&mode=form&id=ffbd2c735e17e3a64fd0c2e4f792ae93&tab=core&_cview=0
Key Words**: Protein Conformation, Safety or Efficacy of Therapeutics and Vaccines, Field Medical Therapies, Technologies for Non-invasive and/or remote Assessment of Physiological Status, Devices for Rapid Synthesis and Molecular Analysis of Biomolecules and Structures, Unidentified Microbes, Neurotrauma, Penetrating and Non-penetrating Injuries, Stress, Real-time Neural Signal Acquisition and Analysis**

Travel Grants

Boehringer Ingelheim Fonds (BIF) - Foundation for Basic Research in Biomedicine
Travel Grants are available to junior researchers pursuing experimental projects in basic biomedical research. to learn clearly-defined methods useful for your ongoing research and the work of your research group at home by visiting another laboratory, or by attending research-orientated courses which include practical training.
Amount: 3 months support
LOI: N/R
Deadline: Continuous
To learn more**:** http://www.bifonds.de/cgi-bin/show.pl/travel_grants/travel_grants.html?sid=iw5d2ei4y1oz8takvjsb4dr4i0a3hoe4
Key Words**: Biological Sciences, Biomedical Research Resources, Biomedical Research Training, Health and Medicine**

Advances in Bioscience for Airmen Performance

BAA-09-02-RH
Air Force Research Laboratory, Human Effectiveness Directorate, Biosciences and Performance Division (AFRL/RHP)
The 711th Human Performance Wing, Human Effectiveness Directorate is soliciting white papers under this announcement for innovative science and technology projects to support advanced bioscience research. Specifically, the Biosciences and Performance Division is seeking unique and innovative research concepts that address its technical mission areas. Research is sought primarily in the following four technical areas: 1) Applied Biotechnology, 2) Biobehavioral Performance, 3) Biomechanics, and 4) Counter proliferation.
1) Applied Biotechnology - Goal is to develop and exploit advances in biotechnology and associated nanotechnologies to enhance performance and situational awareness of the force.
2) Biobehavioral Performance – Goal is to develop bio-based methods and techniques to sustain and optimize airmen's cognitive performance.
3) Vulnerability Analysis – Goal is to rapidly identify human threat conditions, and sustain/expand Airmen performance in stressful environments. It includes research in physical and physiological biosignatures, neuroscience, anthropometry, biomechanics, human modeling, database networking, and data mining.
4) Counter proliferation – Goal is to improve the Air Force's ability to locate, identify, track, target, and destroy biological warfare agents (BWA) and other weapons of mass destruction (WMD), as well as anticipate and mitigate WMD effects on AF operations.
Amount: Cost Plus
LOI: White Papers accepted until September 30, 2014
Deadline:
To learn more**:**
https://www.fbo.gov/index?s=opportunity&mode=form&id=411797fcc2260cb5d9ed346b3c139a4b&tab=core&_cview=1&cck=1&au=&ck=
Key Words**: Gene Expression Balance, Protein Expression Patterns, Phenotypic Patterns, Biomarker Signatures, Cognitive Performance**

Cancer and Blood

The Role of Microbial Metabolites in Cancer Prevention and Etiology (U01)

New

PAR-10-208
National Cancer Institute (NCI)
National Center for Complementary and Alternative Medicine (NCCAM)
This Funding Opportunity Announcement (FOA) issued by the National Cancer Institute (NCI), and the National Center for Complementary and Alternative Medicine, (NCCAM), at the National Institutes of Health, encourages the submission of grant applications that characterize the effects of microbially generated metabolites of dietary components on host cell biology. Specifically, this FOA seeks to characterize microbially generated metabolites and better understand their molecular mechanisms of action that affect host cell proliferative/apoptotic responses, cytokine production, inflammatory and immunomodulatory effects. This FOA will also encourage the conduct of human intervention studies that identify inter-individual variability among various racial and ethnic groups in the production of bacterial metabolites and determine their efficacy in cancer prevention. This research is necessary to better understand the role of dietary components in cancer etiology, prevention, and cancer health disparities to identify who might benefit from specific dietary recommendations and who might be placed at risk. One of the goals of this program will be to facilitate interdisciplinary collaborations among scientists engaged in nutrition, cancer prevention, cancer cell biology research, and cancer disparities research with those conducting studies with gut microorganisms. All applications must include multiple principle investigators with different areas of expertise such as microbiology, nutrition, cancer biology, analytical chemistry, or genetics. In addition, all investigators will be required to attend annual meetings with NIH personnel. Investigators may use either clinical or preclinical approaches.
Amount: varies
LOI: October 15, 2010; October 15, 2011; October 15, 2012
Deadline: November 15, 2010; November 15, 2011; November 15, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-208.html
Key Words**:**

Administrative Supplements to Increase Public Awareness of Pediatric Cancers and Available Treatments and Research

New

NOT-CA-10-026
National Cancer Institute (NCI)
The National Cancer Institute (NCI) announces the availability of administrative supplements to NCI-funded research grants that address and/or are relevant to public awareness of cancers in children, adolescents, and young adults. The enactment of the Caroline Pryce Walker Conquer Childhood Cancer Act of 2008 gave the Secretary, Department of Health and Human Services (HHS), authority to award grants to increase public awareness of pediatric cancers and available treatments and research. The NCI was designated by HHS to award and administer these grants.
Amount: $250,000
LOI: Released June 4, 2010
Deadline: July 16, 2010
To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-CA-10-026.html
Key Words**:**

Basic Ordering Agreement (BOA) in Support of the Clinical Assay Development Network (CADN) to Facilitate Development and Validation of Clinical Assays

New

RFP-ST10-1078 (ST10-1078)
National Cancer Institute
The Clinical Assay Development Network (CADN) is a new program being initiated by the NCI's Division of Cancer Treatment and Diagnosis (DCTD) to facilitate development and validation of clinical assays. Comprehensive characterization of individual tumors promises to change the practice of medicine. This effort is being spurred by advances in our understanding of the biology of cancer and in the tremendously enabling technologies derived from the Human Genome Project. The timely translation of molecular findings to effective clinical tools will depend on the ability to rapidly evaluate the clinical relevance of molecular alterations observed in tumor specimens and to develop and technically validate assays to detect these alterations that can be used in the clinical setting.

Significant amounts of data will be generated by the Patient Characterization Center, as well as in the cancer research community, that will be evaluated to determine which alterations found in human tumors are associated with clinical parameters of interest such as subclass of disease, risk of progression or likelihood of response to therapy. These data are expected to lead to development of new assays with the potential to guide clinical decision-making. The assays will be evaluated in both retrospective and prospective settings. Assays that will be used for clinical decision-making must meet criteria of performance such as those set out in guidance documents of the FDA and/or those recently published by the Strategy Group of the Program for the Assessment of Clinical Cancer Tests (PACCT) for integral assays in clinical trials.
Amount: unspecified
LOI: N/R
Deadline: July 23, 2010
To learn more: https://www.fbo.gov/index?s=opportunity&mode=form&id=5f88b4df4d9fc0f2b2aa06674f6ae743&tab=core&_cview=1
Key Words:

2010 'A' Award

New

Alex's Lemonade Stand Foundation
The foundation's "A" Award is a three-year grant designed for young scientists who want to jump-start their career in pediatric oncology research. The ideal candidate has an original project that is not currently being funded. Demonstration of outstanding mentorship and a future commitment to pediatric cancer investigation are critical components of a successful application.
Candidates may have their M.D., Ph.D., or M.D./Ph.D., and must not have achieved an appointment higher than assistant professor. Funds must be granted to nonprofit institutions or organizations operating in the United States or Canada. Researchers need not be U.S. citizens.
Amount: $375,000
LOI: N/R
Deadline: August 2, 2010
To learn more: http://www.alexslemonade.org/grants/submission-information
Key Words:

Nurse Researcher Awards

New

Alex's Lemonade Stand Foundation
Mentored Nurse Researcher Grants are designed to support efforts of nurse researchers with both mentor and institutional support to accomplish small research projects with goals that relate to improving nursing care or quality of life for children with cancer and their families. Examples of fundable projects include collecting information to answer a nursing question related to care of a child with cancer or applying research based evidence to improve pediatric cancer nursing practices at the institution.
Intermediate Nurse Researcher Grants are designed to financially support efforts of more experienced nurse researchers who have the support and commitment of their institution. Project goals must relate to improving nursing care or quality of life for children with cancer and their families. Such projects may collect information to answer a nursing question related to care of the child with cancer or may be designed to apply research based evidence to improve pediatric cancer nursing practice at the institution. Awards may not be used to supplement other support in a large project.
Applications for ALSF Independent Nurse Reseracher Grants are expected to be from experienced investigators to investigate topics and issues related to the quality of nursing care and the quality of life for children with cancer. Demonstration of a career that shows commitment to pediatric cancer nursing is a critical component of a successful application. Awards may not be used to supplement other support in a large project.
Amount: Nurse Researcher Categories
Mentored - $10,000 a year for 2 years
Intermediate - $20,000 a year for 2 years
Independent - $50,000 a year for 2 years
LOI: N/R
Deadline: August 2, 2010
To learn more: http://www.alexslemonade.org/grants/submission-information
Key Words:

Translational Grants

The American Brain Tumor Association
These awards help scientists further develop studies on the cusp of moving from the laboratory into patient testing. These $75,000 one year grants often support the collection of the preclinical data researchers need to apply for major funding from other sources, such as the National Cancer Institute (NCI) or the National Institute of Neurological Disorders and Stoke (NINDS). Applicants must be in the earlier years of their investigator career. Criteria for funding include the quality and therapeutic potential of the research, the quality of the laboratory environment, and the applicant.

Amount: $75,000
LOI: N/R
Deadline: January 8, 2011
To learn more: http://www.abta.org/Research_Progress/2010_Funding_Opportunities/294
Key Words: **Brain Tumor**

Post Baccalaureate Training in Disparities Research
Susan G. Komen for the Cure Foundation
PBT-DR grants seek to support training for students very early in their careers to allow them to begin to define meaningful career paths focused on disparities in breast cancer outcomes across population groups.
Amount: $135,000
LOI: September 22, 2010
Deadline: December 20, 2010
To learn more: http://ww5.komen.org/ResearchGrants/FundingOpportunities.html
Key Words:

Postdoctoral Fellowships
Susan G. Komen for the Cure Foundation
PDF Grants seek to attract scientists into careers addressing important research questions about breast cancer, expand the skills and expertise of breast cancer researchers in training, and position trainees for independent careers conducting breast cancer research that will directly affect breast cancer patients..
Fellowships are awarded to the mentor/PI. By the start date of the grant, fellows must be no more than 3 years post-completion of his/her most recent clinical M.D. fellowship or 5 years post-completion of his/her most recent M.D. residency or Ph.D.
Amount: $180,000
LOI: September 22, 2010
Deadline: December 20, 2010
To learn more: http://ww5.komen.org/ResearchGrants/FundingOpportunities.html
Key Words:

Promise Grants
Susan G. Komen for the Cure Foundation
Promise Grants seek to support integrated programs of collaborative and cross-disciplinary research projects leading to the aggressive translation of scientific discoveries into interventions and strategies that have the greatest potential to significantly reduce breast cancer incidence and mortality,.
NEW! Scientific focus on novel therapeutics as addressed by resistance.
Amount: up to $5,000,000
LOI: July 15, 2010
Deadline: December 1, 2010
To learn more: http://ww5.komen.org/ResearchGrants/FundingOpportunities.html
Key Words:

Investigator-Initiated and Career Catalyst Research Grants
Susan G. Komen for the Cure Foundation
IIR Grants provide up to $600,000 over three years to stimulate exploration of new ideas and novel approaches in breast cancer research and clinical practice that will lead to reductions in breast cancer incidence and mortality within the next decade. Komen is introducing a new approach to its IIR RFA in an effort to align supported research projects with Komen's annual strategic objectives and to provide consistency for the research community. For the next few years, the IIR RFA will focus on four standing topic areas—prevention/early detection; novel therapeutics and resistance; the biology of breast cancer; and disparities—within which very specific research issues will be identified for that year's RFA. This year's research areas are as follows: Prevention/Early Detection – Molecular Predictors of High Risk and Early Disease; Novel Therapeutics and Resistance – Targeted Therapies for Endocrine Resistant Disease; Biology of Breast Cancer – 1) Therapeutic Implications of Micrometastases and 2) Epigenetic Alterations; and all issues relevant to Disparities in Breast Cancer Outcomes.
Amount: up to $600,000
LOI: June 25, 2010
Deadline: September 20, 2010 (invitation only)
To learn more: http://ww5.komen.org/researchgrants/grantprograms.html?ecid=vanityurl:11
Key Words:

Cancer Research Grants
Pardee Foundation
The Elsa U. Pardee Foundation funds investigators proposing research directed toward identifying new treatments or cures for cancer. The foundation particularly encourages grant applications for a one-year period which will allow establishment of capabilities of new cancer researchers, or new cancer approaches by established cancer researchers. It is anticipated that this early stage funding by the foundation may lead to subsequent and expanded support using government agency funding. Project relevance to cancer detection, treatment, or cure should be clearly identified. A final report summarizing financial expenditure and research achievement is required.
Amount: unspecified
LOI: N/R
Deadline: Continuous
To learn more**:** http://www.pardeefoundation.org/grants.aspx
Key Words**: Cancer**

Decision Making in Cancer: Single-Event Decisions (R01) [PA-08-063] and (R21) [PA-08-064]
PA-08-063 and PA-08-064
NIH
The purpose of this Funding Opportunity Announcement (FOA) is to invite applications for research projects that will enhance understanding of human decision-making processes so that individuals can make more informed and satisfying choices regarding their health. The NCI encourages collaborations between researchers studying the processes of basic judgment and decision-making and researchers conducting cancer control investigations that will elucidate single-event decision-making processes, at the level of either the individual patient or health care provider. These decision-making processes are pertinent to cancer prevention, detection, treatment, survivorship, or end-of-life care. For the purpose of this initiative, a single-event decision is defined as a discrete decision made at a specific point in time.
Amount: varies
LOI: N/R
Deadline: continuous; see listing
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-063.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-064.html
Key Words**:**

Cancer Education Grants Program (R25)
PAR-08-120
NIH
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages applications for the development of: (i) innovative cancer education programs; and (ii) cancer research dissemination projects that can be completed within 5 years. Specifically, the types of Cancer Education Grant Programs (CEGPs) that may be supported include: (1) innovative educational programs intended to motivate biomedical and other health science students to pursue cancer related careers; (2) short courses to update cancer research scientists in new scientific methods, technologies and findings; (3) training of cancer care clinicians and community health care providers in evidence-based cancer prevention and control approaches; and (4) development of effective innovative education (dissemination) approaches to translate knowledge gained from science (discovery) into public health, and community applications (delivery). -Mechanism of Support. This FOA will use the NIH Research Education (R25) grant mechanism. Research education programs may not be transferred from one institution to another, unless strongly justified (see Section VI.2). -Funds Available and Anticipated Number of Awards. Awards issued under this FOA are contingent upon the availability of funds and the submission of a sufficient number of meritorious applications
Amount: $330,000 annually
LOI: N/R
Deadline: September 7, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-120.html
Key Words**:**

Enhancing Tumoricidal Activity of Natural Killer (NK) Cells by Dietary Components for Cancer Prevention (R01) [PA-08-131] and (R21) [PA-08-132]
PA-08-131 and PA-08-132
NIH
This funding opportunity announcement (FOA) is designed to stimulate research efforts aimed at establishing the physiological significance of dietary components in modulating the tumoricidal cell activity of natural killer (NK) cells for cancer prevention. The focus of research projects proposed in response to this FOA should be on defining the minimum quantity and duration of exposure to specific dietary components to modulate tumoricidal cell activity of NK cells for cancer prevention and the underlying mechanism(s) accounting for this response. Proposed projects must include animal and/or human investigations to be considered responsive to this announcement. Highly purified populations of immune cells, specific tumor cells such as RMA-S that lack class I MHC expression,

target cell-free system, or single-cell assays may be used to define the molecular basis for the diet-induced changes in tumoricidal activity. However, the in vitro studies are only to be used to support in vivo studies and should not constitute the primary focus of the application. Molecular targets for food components may be examined at the sites of the tumoricidal cell receptors and cancer cell specific ligands, the output of tumoricidal cytokines (e.g., IFN-g), and the release of lytic granules such as a granulysin, perforin, and serine proteases (granzymes).
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-131.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-132.html
Key Words**:**

Exfoliated Cells, Bioactive Food Components, and Cancer (R01) [PA-08-030] and (R21) [PA-08-031]
PA-08-030 and PA-08-031
NIH
The National Cancer Institute (NCI) invites applications for new R01 grants focusing on research to critically evaluate the use of exfoliated cells to monitor the physiological effects of dietary bioactive food components thought to be involved with cancer prevention. The objective is to encourage interdisciplinary collaborations between scientists engaged in research using exfoliated cells and those conducting nutrition research related to cancer prevention. This research will help determine the utility of exfoliated cells as a model system to monitor both the absorption and retention of bioactive food components and the concomitant alterations in genomic and epigenetic events that occur in intact cells.
Amount: $275,000 over 2 years
LOI: N/R
Deadline: multiple, see announcement; continuous through January 8, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-030.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-031.html
Key Words**:**

Correlative Studies with Specimens from Multi-Site Trials (R21) [PA-08-133] and (R01) [PA-08-134]
PA-08-133 and PA-08-134
NIH
This Funding Opportunity Announcement (FOA) is intended to support translational correlative studies that utilize annotated tumor and/or other biospecimens collected during large-scale multi-institutional clinical and/or prevention trials, respectively. The Cancer Therapy Evaluation Program (CTEP), the Cancer Diagnosis Program (CDP), and the Cancer Biomarkers Research Group (CBRG) of the NCI are cooperatively sponsoring this FOA with the overarching goal to facilitate predictions of responses to current interventions, and inspire future development of improved therapeutic and preventive strategies. Projects proposed in response to this FOA should address the correlations between intervention outcomes and cancer patients' disease characteristics determined at various cellular/molecular levels. For example, disease progression patterns may be correlated with tumor genotypic and/or phenotypic profiles (at the levels of the genome, epigenome, gene expression and/or protein and non-protein molecular markers. This FOA will only support studies that use tumor specimens linked to specific interventions/trials. To be able to achieve these translational goals, the proposed projects are expected to rely on interactions between basic researchers and clinical investigators, in order to improve future drug development and interventions.
Amount: Direct costs are limited to $275,000 over an R21 2-year period, with no more than $200,000 in direct costs allowed in any single year.
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-133.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-134.html
Key Words**:**

NCI Transition Career Development Award to Promote Diversity (K22)
PAR-08-047
NCI
This Funding Opportunity Announcement (FOA) represents the continuation of an NCI program to make possible the diversification of the cancer research workforce via facilitation of the transition of investigators from minority groups underrepresented in biomedical research, primarily those with clinical doctoral degrees as well as those with doctoral degrees working in the areas of cancer prevention, control, behavioral, or population science research, from the mentored stage of career development in academic cancer research to the independent stage. This goal is achieved by providing protected time through salary and research support for 3 years to: postdoctoral individuals or junior faculty in mentored positions transitioning into their first independent position; and investigators within the first 2 years of their first independent cancer research position, to initiate and develop their independently-supported cancer research programs.
Amount: 3 years of salary (up to $75,000 per annum plus fringe benefits) and research support up to $50,000 per annum.
LOI: N/R

Deadline: multiple, see listing
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-047.html
Key Words**:**

Research on Malignancies in the Context of HIV/AIDS (R21)
PA-07-454
National Institutes of Health (NIH)
The National Cancer Institute (NCI) and National Institute of Dental and Craniofacial Research (NIDCR) are accepting proposals for research that will advance our understanding of the risks, development, progression, diagnosis, and treatment of malignancies observed in individuals with an underlying HIV infection or AIDS. Through this funding opportunity announcement (FOA), the NCI and NIDCR seek to encourage research in areas such as the study of the etiologic factors, cofactors, pathogenesis, and consequences of HIV-associated malignancies in diverse populations. Research on non-AIDS defining malignancies in the context of HIV infection is also encouraged. The incidence of non-AIDS-defining malignancies (e.g., anal, skin, and lung cancers as well as Hodgkin's disease) appear to be increasing in the era of Highly Active Antiretroviral Treatment. This FOA extends to research efforts that will provide information on the clinical outcomes of such cancers in the HIV-infected population and identify specific contributions resulting from HIV infection for the development and pathogenesis of these cancers. Ultimately, such efforts could inform screening approaches and therapies targeted to the HIV-infected population.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants1.nih.gov/grants/guide/pa-files/PA-07-454.html
Key Words**: AIDS**
Cancer Biology, Cancer or Carcinogenesis, Molecular Epidemiology

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Translational Research at the Aging/Cancer Interface
[(R01) PA-08-230] [(R21) PA-08-231]
PA-08-230 and PA-08-231
National institute on Aging (NIA)
This Funding Opportunity Announcement (FOA) issued by the National Institute on Aging, National Institutes of Health, encourages research grant applications from institutions/organizations that propose translational research in the overlapping areas of human aging and cancer, linking basic and clinical research relevant to the care of older cancer patients through both “bench to bedside” and “bedside to bench” approaches. Ultimately, information from the research supported by this initiative should improve the health and well-being of elderly patients at risk for, or diagnosed with, cancer and decrease the functional impairment and morbidity associated with cancer in this population.
Amount: $350,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-230.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-231.html
Key Words**: Aging, Cancer**

Research on Clinical Decision Making in People with or at Risk for Life-Threatening Illness (R01) and (R21)
PA-09-122 and PA-09-121
National Institute of Nursing Research (NINR)
National Cancer Institute (NCI)
This funding opportunity announcement (FOA) issued by the National Institute of Nursing Research (NINR) and the National Cancer Institute (NCI), National Institutes of Health, seeks to stimulate research on the decision-making processes made by persons at risk for and those faced with life-threatening illness. These illnesses are ones that almost always lead to death in a fairly short period of time if left untreated, but may be chronic or even cured if dealt with early in the disease process. An example of a life-threatening illness that may be chronic for some years would be HIV infection when treated. An example of a life-threatening illness that may be cured in its early stages would be breast cancer. Decision-making can occur from the point of adopting preventive behaviors through the end of life. Examples of such decisions could include participating in an HIV vaccine clinical trial, testing for genetic disorder, choosing a treatment intervention vs. watchful waiting (as in early stage prostate cancer), choosing a treatment intervention among several options, joining a therapeutic clinical trial, or making end-of-life care decisions.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-122.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-121.html
Key Words**: Nursing Research, Cancer Control, Life-Threatening Decision Making Caregivers, Palliative Care**

Erythropoiesis: Components and Mechanisms (R01)
PA-09-255
National Institute of Diabetes and Digestive and Kidney Diseases
National Heart, Lung, and Blood Institute (NHLBI)
National Institute on Aging (NIA)
This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) the National Institute of Aging (NIA), and the National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health, encourages investigator-initiated R01 applications that propose hypothesis-driven research using erythroid cells. The aim of this program is to support research efforts towards a complete description of the molecular and cellular components of erythropoiesis and how these components contribute to erythropoiesis. Components include genes that are expressed (transcriptome) in erythroid cells, either during development or during differentiation, and the proteins (proteome) that are translated in erythroid cells, especially with post-translational modifications or subcellular localizations that are unique to erythroid cells. A long range goal of this program is to generate a concise description of erythropoiesis that unifies genetics, molecular processes and cytokine determinants in the erythroid lineages so that new therapeutics may be developed to measure and combat anemia.
Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-255.html
Key Words**: Erythropoiesis**

Stimulating Hematology Investigation: New Endeavors (SHINE) (R01)
PAS-10-046
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDKD)
The Stimulating Hematology Investigation: New Endeavors (SHINE) program is intended to promote innovative, high quality hematology research relevant to the mission of The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK). In the SHINE program, NIDDK invites investigator-initiated research project grant applications in specific areas of basic and translational hematology research where needs and opportunities for progress are particularly timely. Specific research topic areas supported by the SHINE program, as outlined below, will change over time and be up-dated annually through the NIH Guide to Grants and Contracts.
Ribosomes and Their Role in Disease
Non-erythroid Expression and Function of Erythropoietin Receptors
Heme Regulation during Erythropoiesis
Anemia of Inflammation and of Chronic Disease
Iron Overload
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAS-10-046.html
Key Words**: Anemia, Blood, Iron**

Pilot and Feasibility Clinical Research Studies in Digestive Diseases and Nutrition (R21)
PA-09-151
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Cancer Institute (NCI)
National Institute of Nursing Research (NINR)
Office of Dietary Supplements, National Institutes of Health (ODS)
This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK); the National Cancer Institute (NCI); the National Institute for Nursing Research (NINR), and Office of Dietary Supplements (ODS) of the National Institutes of Health, encourages pilot and feasibility clinical and epidemiological research studies of new therapies or means of health promotion and prevention of digestive and liver diseases and nutritional disorders associated with digestive and liver diseases, including cancer.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-151.html
Key Words**: Liver Disease, Nutritional Disorders**

Common Pathogenetic Mechanisms of Lung Cancer and COPD (R01)
RFA-HL-11-002
National Heart, Lung, and Blood Institute (NHLBI)
National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA) issued by the National Heart, Lung, and Blood Institute and the National Cancer Institute, National Institutes of Health, solicits Research Project Grant (R01) applications from institutions/organizations to identify the fundamental etiopathogenetic commonalities between lung cancer and Chronic Obstructive Pulmonary Disease (COPD) in order to characterize: (a) the genotypic and phenotypic characteristics that determine individual susceptibility; and (b) the shared biochemical, molecular, and immunological pathways involved in the origin and progression of the two diseases.
Amount: $2,340,000
LOI: May 18, 2010
Deadline: June 18, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-11-002.html
Key Words**: Lung Cancer, COPD**

Selected Topics in Transfusion Medicine (R21) and (R01)

PAR-10-033 and PAR-10-034
National Heart, Lung, and Blood Institute (NHLBI)
This FOA issued by the National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health (NIH), encourages research grant applications from investigators who propose to study topics that will determine blood banking and transfusion practice.
Amount: $275,000 and up
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-033.html and http://grants.nih.gov/grants/guide/pa-files/PAR-10-034.html
Key Words**: Blood Banking, Transfusion**

Planning Grants for Pivotal Clinical Trials in Hemoglobinopathies (R34)

RFA-HL-11-009
National Heart, Lung, and Blood Institute (NHLBI)
This FOA issued by the National Heart, Lung, and Blood Institute, National Institutes of Health, solicits Clinical Trial Planning Grant (R34) applications from institutions/organizations that propose to support the development of studies that will answer research questions essential for the design of robust clinical trials, in particular, Phase II and/or III clinical trials in the major hemoglobinopathies, sickle cell disease (SCD), and the thalassemias.
Amount: $450,000
LOI: August 13, 2010
Deadline: September 14, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-11-009.html
Key Words**: Thalassemia, Sickle Cell Disease, Hemaglobinopathies**

Investigator Initiated Multi-Site Clinical Trials (Collaborative R01)

PAR-10-096
National Heart, Lung, and Blood (NHLBI)
The purpose of this Funding Opportunity Announcement is to provide a vehicle for submitting grant applications for investigator-initiated multi-site Phase II or Phase III randomized, controlled clinical trials. The trials may address any research question related to the mission and goals of NHLBI and may test clinical or behavioral interventions.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-096.html
Key Words**: Clinical Trials**

Etiology, Prevention, and Treatment of Hepatocellular Carcinoma [(R01) PA-08-243] and [(R21) PA-08-244] and [(P01) PAR-08-245]

PA-08-243 and PA-08-244 or PAR-08-245
National Cancer Institute
National Institute on Alcohol Abuse and Alcoholism
National Institute of Diabetes and Digestive and Kidney Diseases
With this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI), the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) encourage grant applications that: (a) address the etiology and etiologic mechanisms of hepatocellular carcinoma (HCC); (b) propose development of animal models for HCC; (c) propose novel approaches to prevent HCC malignancy; (d) propose therapeutic or diagnostic tools for

reliable prognostic indicators for HCC; and/or (e) develop therapeutic approaches to minimize morbidity and mortality associated with HCC in humans. The primary focus of the proposed project must be on the basic biology, prevention, and/or treatment of liver cancer. Applications solely concerned with population studies and epidemiology will not be supported in connection with this FOA. This FOA will utilize the R01 grant mechanism and runs in parallel with two FOAs of similar scientific scope: (1) PA-08-244, for pilot exploratory/developmental projects using the R21 mechanism; and (2) PAR-08-245, for program project grants under the P01 mechanism.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-243.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-244.html and http://grants.nih.gov/grants/guide/pa-files/PAR-08-245.html
Key Words**: Hepatocellular Carcinoma, Alcohol Liver Disease, Cancer**

Stem Cells and Cancer (R21)
PA-08-165
National Cancer Institute
National Institute on Aging
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), and the National Institute on Aging (NIA), encourages research in all aspects of tumor stem cell biology, including the molecular and biochemical regulation of embryonic and adult stem cell behavior relevant to tumor formation. This FOA intends to stimulate efforts on isolation and characterization of tumor stem cells from a large spectrum of tumors. In addition, more research is encouraged to understand the genetic and biochemical regulatory mechanisms that control the self-renewal phenotype, asymmetric cell division, and the stem cell microenvironment (or "niche").
Amount: $275,000 over a 2-year period
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-165.html
Key Words**: Cancer, Stem Cells, Tumor Cells**

In Utero Exposure to Bioactive Food Components and Mammary Cancer Risk (R01) [PA-08-0140]
In Utero Exposure to Bioactive Food Components and Mammary Cancer Risk (R21) [PA-08-0141]
PA-08-140 and PA-08-141
National Cancer Institute
National Institute of Environmental Health Sciences
Office of Dietary Supplements
This Funding Opportunity Announcement (FOA) encourages innovative preclinical research applications that will enhance the understanding of the relationship between exposure(s) to bioactive food components and/or environmental chemicals in utero, hormonal and growth-factor response, gene expression or epigenetic changes, and subsequent mammary cancer risk in preclinical models. This FOA encourages applications that apply new high-throughput genomic, epigenomic, proteomic, and metabolomic technologies to determine how dietary exposures in utero influence adult breast cancer susceptibility. The resulting information will help define effective maternal dietary intervention strategies for breast cancer prevention in offspring.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-140.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-141.html
Key Words**:**

Biomarkers of Infection-Associated Cancers (R01) [PA-08-156]
Biomarkers of Infection-Associated Cancers (R21) [PA-08-157]
PA-08-156 and PA-08-157
National Cancer Institute
National Institute of Dental and Craniofacial Research
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI) and the National Institute of Dental and Craniofacial Research (NIDCR), of the National Institutes of Health (NIH), encourages the submission of Research Project Grant (R01) applications from institutions and organizations that propose to identify biomarkers for cancers where the etiology of the disease is attributed to infectious agents.
Amount: varies
LOI: N/R
Deadline: Multiple dates, see announcement
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-156.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-157.html

Key Words**: Biomarkers, Cancer Biology**

Prioritizing Molecular Targets for Cancer Prevention with Nutritional Combinations (R01)
PA-10-035
National Cancer Institute (NCI)
Office of Dietary Supplements (ODS)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), and the Office of Dietary Supplements (ODS), of the National Institutes of Health (NIH), invites research applications to enhance our understanding about the dynamic interrelationship that exists between bioactive food components (and/or combinations thereof) and cancer prevention. Although much evidence exists that dietary components are linked to cancer prevention, the interactions among dietary bioactive compounds and food combinations remains under-investigated. Applications are encouraged to consider either multiple dietary bioactive components, intact foods or multiple foods utilizing physiologically relevant concentrations of the agents. New genetic technologies may be employed to study the impact of dietary components on complex cellular and molecular networks, as part of the effort to better understand the basis for the multifaceted interactions of food components with cancer prevention mechanisms. Specifically, applications that apply new high-throughput genomic, epigenomic, proteomic, and metabolomic technologies to prioritize molecular targets of dietary components are highly encouraged. The sites of action that may be evaluated include carcinogen metabolism, DNA repair, cell proliferation, apoptosis, differentiation, hormonal regulation, energetics, inflammation, and/or angiogenesis. In addition, applications should either evaluate multiple molecular targets within a cancer process or multiple processes in order to prioritize which process(es) is/are most involved in bringing about a phenotypic change. It is hoped that advances in this area may assist in optimizing cancer prevention while minimizing potential toxicity due to food components. The resulting information will help define which foods or food components should be considered in isolation or in combination when developing dietary strategies to reduce cancer risk and/or modify tumor behavior.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-035.html
Key Words**: Dietary Components, Cancer Prevention**

Diet, Epigenetic Events, and Cancer Prevention (R01) and (R21)
PA-09-234 and PA-09-235
National Cancer Institute (NCI)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Office of Dietary Supplements (ODS)
The aim of this funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), and the Office of Dietary Supplements (ODS), of the National Institutes of Health (NIH), is to promote clinical and preclinical research to determine how diet and dietary factors, including dietary supplements, impact DNA methylation, histone posttranslational modification, noncoding RNA, and other epigenetic processes involved in cancer prevention and development. Another important aim of this FOA is to encourage collaborations between nutrition and epigenetic experts to study bioactive food components with cancer-preventative properties and to examine key epigenetic events in cancer processes (e.g., carcinogen metabolism, cell division, differentiation, and apoptosis) in order to begin to establish linkages between epigenetics, methylation patterns, and tumor incidences/behaviors.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-234.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-235.html
Key Words**: DNA Methylation, Histones, Dietary Supplements, Cancer**

Investigational Nutrigenetic Studies for Cancer Prevention
[(R01) PA-08-220] and [(R21) PA-08-221]
PA-08-220 and PA-08-221
National Cancer Institute (NCI)
National Institute of Nursing Research (NINR)
Office of Dietary Supplements (ODS)
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), the National Institute of Nursing Research (NINR), and the Office of Dietary Supplements (ODS), all of the National Institutes of Health (NIH), solicits applications for research projects that can combine information on individual genetic variations from the Human Genome and International HapMap Projects to stimulate small pilot dietary intervention studies. The overarching goal is to examine whether genetic variants can predict individual response to dietary components that alter cancer processes and modify individual susceptibly to cancer. These studies will allow for personalization of cancer preventive dietary strategies to reduce cancer risk in genetically susceptible individuals. Associational and non-interventional epidemiologic-focused studies will not be supported in conjunction with this FOA.
Amount: varies

LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-220.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-221.html
Key Words**: Dietary Intervention, Cancer Susceptibility, Genetic Predictions**

Developmental Projects in Complementary Approaches to Cancer Care and Treatment (R21) and (R03)
PA-09-167 and PA-09-168
National Cancer Institute (NCI)
National Institute of Nursing Research (NINR)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), and the National Institute of Nursing Research (NINR), of the National Institutes of Health, invites applications for basic, pre-clinical, and clinical complementary cancer research. The research should relate to the areas of prevention, diagnosis, and treatment of cancer as well as management of cancer symptoms and side effects due to conventional cancer treatment. In addition, this FOA encourages the development and application of emerging and innovative technologies, including identification of novel therapeutics in the pharmacopoeia of Traditional Medical Systems (as defined by the World Health Organization), use of complementary approaches to improve the therapeutic ratio of standard and investigational anti-cancer therapies, and research on lifestyle modifications (e.g. diet, exercise, mind-body approaches) for their impact on cancer outcomes (e.g., response to conventional cancer therapy, survival). The overarching goals of this FOA is to encourage investigators to submit high quality, preliminary research of humans that will advance the science of Complementary and Alternative Medicine (CAM) and provide a solid foundation and justification for future research project (R01) grant applications to definitively determine the efficacy of CAM approaches.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-167.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-168.html
Key Words**: CAM, Alternative Therapy, Cancer**

Small Grants for Behavioral Research in Cancer Control (R03)
PA-09-003
National Cancer Institute (NCI)
National Institute of Nursing Research (NINR)
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI) and the National Institute of Nursing Research (NINR), at the National Institutes of Health (NIH), is intended to provide support for either new investigators in cancer-related behavioral research, or investigators who want to refocus their research interests toward behavioral research in cancer control. The program is designed to facilitate the growth of a nationwide cohort of scientists with research experience in behavioral cancer control and design of public health interventions. Preliminary data for the proposed projects are not required. Overarching goals are to: (1) encourage new investigators to enter the field of behavioral research in cancer control and initiate their long-term career development aimed at becoming independent investigators in the field, and (2) support research on transfer of behavioral science knowledge into cancer control practice.
Amount: $100,000
LOI: N/R
Deadline: August 20, 2010; December 20, 2010; April 20, 2011; August 22, 2011; December 20, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-003.html
Key Words**: Cancer, Cancer Prevention, Cancer Control**

Specialized Programs of Research Excellence (SPOREs) in Human Cancer for Years 2010, 2011 and 2012 (P50)
PAR-10-003
National Cancer Institute (NCI)
National Institute of Dental and Craniofacial Research (NIDCR)
National Institute of Neurological Disorders and Stroke (NINDS)
The National Cancer Institute (NCI), the National Institute of Dental and Craniofacial Research (NIDCR), and the National Institute of Neurological Disorders and Stroke (NINDS), at the National Institutes of Health (NIH), invite new or renewal (competing) applications for P50 Research Center Grants for Specialized Programs of Research Excellence (SPOREs). The program will fund 5-year P50 SPORE grants to support state-of-the-art investigator-initiated research that will contribute to improved detection, diagnosis, treatment, and prevention of an organ-specific cancer (or a related group of cancers). SPOREs are expected not only to conduct a wide spectrum of research activities, but also to contribute significantly to the development of specialized research CORE**s**, improved research model systems, and collaborative research projects with other institutions. The research supported through this program must be translational in nature and must always be based upon knowledge of human biology stemming from research using cellular, molecular, structural, biochemical, and/or genetic experimental approaches.
Amount: $12,500,000
LOI: August 21, 2010; December 20, 2010; April 20, 2011; August 20, 2011; December 20, 2011; April 22, 2012; August 20, 2012

Deadline: September 21, 2010; January 20, 2011; May 20, 2011; September 20, 2011; January 20, 2012; May 22, 2012; September 20, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-003.html
Key Words**: Organ Specific Cancer, Translational**

Image-guided Drug Delivery in Cancer (R01)
PA-09-253
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages innovative translational research in the development of quantitative in vivo imaging characterization of image-guided drug delivery (IGDD) in cancer, including characterizations of the target, delivery validation, and therapy response. This FOA will support research in development of integrated imaging-based platforms for multifunctional and multiplexed drug delivery systems in cancer. Validation studies in non-human primates or large animal models and first in human studies directed towards translation of IGDD technology into the clinic will be considered appropriate for this FOA.
Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-253.html
Key Words**: IGDD, Image-Guided Drug Delivery, cancer**

Identifying Non-coding RNA Targets for Cancer Early Detection and Prevention (R21) and (R01)
PA-09-200 and PA-09-199
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages research grant applications from institutions/organizations on the discovery and characterization of non-coding (nc) RNAs in preneoplasias and early stage cancers to: 1) improve early cancer detection, intervention, and prevention; 2) predict risk of progression from preneoplasia to cancer, and 3) distinguish benign lesions from precancerous lesions.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-200.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-199.html
Key Words**: non-coding RNA, Cancer Detection, Biomarkers**

Biomarkers for Early Detection of Hematopoietic Malignancies (R01) and (R21)
PA-09-197 and PA-09-198
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages research grant applications from institutions/organizations for the development and validation of biomarkers for: a) early detection, prediction of progression, and recurrence of hematopoietic malignancies, especially in high-risk individuals; and, b) for risk assessment of primary and secondary hematopoietic malignancies. This FOA is also encourages the development and improvement of specific technologies and methods for quantitative detection of novel biomarkers associated with hematopoietic malignancies.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-197.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-198.html
Key Words**: Hematopoietic Cancers, Biomarkers**

Developmental Research in Cancer Prognosis and Prediction (R21) and (R33)
PA-09-158 and PA-09-159
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), National Institutes of Health (NIH), encourages research applications from institutions and organizations to evaluate the utility and pilot the application of new strategies for determining prognosis or predicting response to therapy for cancer. The purpose of this FOA is to develop newly discovered biomarkers from initial correlative observations into assays or test systems suitable for use in clinical trials or other types of confirmatory clinical research studies. This program will provide tools whose purpose is to improve clinical decision-making in the care of cancer patients.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply

To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-158.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-159.html
Key Words: **Cancer, Molecular Targeting**

Studies of Energy Balance and Cancer in Humans (R01) and (R21)
PA-09-148 and PA-09-149
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), at the National Institutes of Health (NIH), invites grant applications for studies that focus on research to define factors affecting energy balance and to define mechanisms influencing cancer risk, prognosis, and quality of life. These studies may range from new analyses of existing datasets to additional collection of data and biological specimens in ongoing investigations. It is anticipated that the knowledge gained will provide additional information to better understand the relationships among energy balance, cancer risk, and prognosis.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-148.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-149.html
Key Words: **Energy Balance, Cancer**

Erythropoiesis Stimulating Agents and Tumor Progression
[(R01) PA-09-023] and [(R21) PA-09-024]
PA-09-023 and PA-09-024
National Cancer Institute (NCI)
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), invites applications for research projects that investigate the effects of Erythropoietin (EPO) on tumor cell growth. EPO has been widely used to relieve the anemia associated with renal failure. In addition, EPO and other erythropoiesis stimulating agents (ESAs) have recently been used to treat the anemia associated with cancer chemotherapy. However, several clinical trials involving administration of ESAs, have suggested that ESAs may accelerate tumor progression and increase mortality in cancer patients. It is therefore important to understand the biology of ESAs on tumor cell growth and apoptosis. The purpose of this FOA is to stimulate high quality research on the effects of ESAs on tumor cell biology and tumor progression.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-023.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-024.html
Key Words: **Angiogenesis, EPO, Erythropoietin, Cancer Therapy**

Understanding the Effects of Emerging Cellular, Molecular, and Genomic Technologies on Cancer Health Care Delivery
[(R01) PA-09-004] and [(R21) PA-09-005]
PA-09-004 and PA-09-005
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), National Institutes of Health (NIH), invites grant applications for health services research that address the utilization of emerging cellular, molecular, and genetic or genomic (CMG) technologies in cancer care. The studies will assess CMG technologies in relation to: (a) quality of care; (b) organizational barriers and change factors in utilization; (c) cost and cost-effectiveness; (d) disparities in access and efficacy; (e) monitoring of cross-sectional patterns of care and time trends; (f) impact on existing standards of care; and (g) influence on cancer outcomes such as incidence, progression, mortality, survival, and quality of life. This FOA specifically encourages research on commercially available CMG clinical tools already in use, as well as experimental tools in the later stages of development and/or in the regulatory approval pipeline. The funding opportunity also encourages interdisciplinary collaborations between health services researchers and those in the clinical and/or translational sciences.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-004.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-004.html
Key Words: **Health Disparity, Cancer, Cancer Treatment**

Exploratory Studies in Cancer Detection, Diagnosis, and Prognosis (R21)
PA-08-267
National Cancer Institute (NCI)

This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), invites grant applications from institutions and organizations that are interested in developing and testing innovative methods in cancer detection, diagnosis, and prognosis. The NCI is especially interested in research studies that focus on the development and testing of improved methods for detecting specific characteristics of cancer, which can be subsequently used for the clinical management of cancer patients or individuals who are at risk for (developing) cancer. It is important that research studies focus on the search for molecular and cellular differences between tumors, pre-malignant, or normal tissues. The studies should determine the clinical translational significance of these differences by correlation with clinical parameters, in order to answer clinical problems related to detection, diagnosis, treatment, and prognosis.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-267.html
Key Words**: Cancer, Clinical Translational Studies**

Cancer Surveillance Using Health Claims-based Data System (R01), (R21), and (R03)

PA-09-145 and PA-09-144 and PA-09-143
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages grant applications for research entailing the use of health claims data for cancer surveillance. Cancer surveillance may include assessment of patterns of care, quality, and outcomes of care, and health disparities across the continuum of treatment. Projects sought under this FOA may focus on treatment and outcomes at the patient-specific level or include influences from the provider or broader health-system level. This FOA will utilize the NIH Research Project Grant (R01) grant mechanism and runs in parallel with two other FOAs of identical scientific scope, that encourages applications under the R21 (PA-09-144) and the R03 (PA-09-143) mechanisms.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-145.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-144.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-143.html
Key Words**: Cancer Surveillance, Epidemiology, Cancer, Helath Claims**

Paul Calabresi Career Development Award for Clinical Oncology (K12)

PAR-10-155
National Cancer Institute (NCI)
This funding opportunity announcement (FOA) issued by the National Cancer Institute (NCI) encourages applications for institutional research career development (K12) programs from applicant organizations that propose to promote the training and career development of translational and clinical trials researchers. The purpose of the Paul Calabresi Career Development Award in Clinical Oncology (PCACO) K12 (NIH Institutional Research Career Development K12 grant mechanism) is to increase the number of clinicians (M.D.s, D.O.s, Pharm.D.s) and basic research scientists (Ph.D.s. or equivalents) who are trained to design and administer hypothesis-based pilot/Phase I, Phase II, and Phase III cancer therapeutic clinical trials in team research settings. A PCACO can support the research career development of clinicians only (single-track program) or clinicians and Ph.D. basic research scientists (dual-track program). Clinical and basic research scientists will collaborate and interact to expedite the translation of basic science research discoveries into patient-oriented therapeutic cancer research. The PCACO is not intended to train laboratory-based scientists whose research will be primarily focused upon the use of animal or other model systems.
Amount: $5,250,000
LOI: N/R
Deadline: June 10, 2011; June 11, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-155.html
Key Words**: Cancer, Clinical Trial Researchers, Training**

Innovative Technology Development for Cancer Research (R21)

RFA-CA-10-005
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA) issued by the National Cancer Institute (NCI), National Institutes of Health (NIH), solicits grant applications proposing technically innovative feasibility studies focused on early stage development of cancer-relevant technologies. If successful, these technologies would accelerate the research and understanding of basic cancer biology, cancer treatment and diagnosis, cancer prevention, cancer control and epidemiology, and/or cancer health disparities. This FOA solicits R21 applications and is suitable for projects at their inception, conceptual or idea based, where technical feasibility of the proposed technology or methodology has not yet been established. The R21 mechanism requires high potential impact and allows for an element of technical risk; projects proposed in response to this FOA may reflect this level of risk but must have concurrent potential to produce a major impact in a broad area of cancer-relevant research. All projects must include quantitative milestones (i.e. technical metrics that determine whether the specific aims have been accomplished). Projects proposing to use technology that is already established or

projects where the novelty resides in the biological or clinical question being pursued are examples of topics not appropriate for this solicitation and will be returned as non-responsive. This funding opportunity is part of a broader NCI-sponsored Innovative Molecular Analysis Technologies (IMAT) Program.
Amount: $500,000
LOI: August 30, 2012
Deadline: September 30, 2012
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-10-005.html
Key Words**: Biospecimens, Tumor**

Application and Early Stage Development of Emerging Technologies in Cancer Research (R21) and (R33)
RFA-CA-10-003 and RFA-CA-10-004
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), National Institutes of Health (NIH), solicits grant applications that propose exploratory research projects on the initial application of emerging analytical technologies as laboratory or clinical tools. An "emerging technology" is defined as one that has passed the initial developmental stage, but has not yet been evaluated within the context of its intended use. Projects proposed in response to this FOA should have the potential to produce a major impact in a broad area of cancer-relevant research. If successful, these technologies would accelerate research in cancer biology, cancer treatment and diagnosis, cancer prevention, cancer control and epidemiology, and/or cancer health disparities. This FOA solicits R21 applications that have high potential impact and allows for an element of technical risk; preliminary data are not required. All projects must include quantitative milestones (i.e. technical metrics that determine whether the specific aims have been accomplished). Projects proposing to use established technologies where the novelty resides in the biological or clinical question being pursued are not appropriate for this solicitation and will be returned as non-responsive. This funding opportunity is part of a broader NCI-sponsored Innovative Molecular Analysis Technologies (IMAT) Program.
Amount: $275,000
LOI: August 30, 2011
Deadline: September 30, 2011
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-10-003.html and http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-10-004.html
Key Words**: Biospecimens, Tumor**

Validation and Advanced Development of Emerging Technologies in Biospecimen Science (R33) and (R21)
RFA-CA-10-002 and RFA-CA-10-001
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), National Institutes of Health (NIH), solicits grant applications proposing technically innovative feasibility studies focused on the advanced development and validation of cancer-relevant technologies that address the issues related to pre-analytical variations in the collection, processing, handling, and storage of biospecimens or its derivatives. The overall goal is to develop technologies capable of interrogating and/or maximizing the quality and utility of biospecimens or their derived samples for downstream molecular analyses. This FOA will support the development of tools, devices, instrumentation, and associated methods to assess sample quality, preserve/protect sample integrity, and establish verification criteria for quality assessment/quality control and handling under diverse conditions. This FOA solicits R33 applications; this mechanism is suitable for projects where proof-of-principle of the proposed technology or methodology has already been established and supportive preliminary data are available. Projects proposing to use established technologies where the novelty resides in the biological or clinical question being pursued is an example of a topic not appropriate for this solicitation and will be returned as non-responsive. This funding opportunity is part of a broader NCI-sponsored Innovative Molecular Analysis Technologies (IMAT) Program. Mechanism of Support. This FOA will utilize the R33 grant mechanism and runs in parallel with a FOA of identical scientific scope, RFA-CA-10-001 that solicits applications under the NIH Exploratory/Developmental R21 grant mechanism.
Amount: $900,000
LOI: April 27, 2010; August 30, 2010
Deadline: May 27, 2010; September 30, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-10-002.html and http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-10-001.html
Key Words**: Biospecimens, Tumor**

Small Grants Program for Cancer Epidemiology (R03)
PAR-08-237
National Cancer Institute (NCI)
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), encourages the submission of Small Research Grant (R03) applications for research on cancer etiology and epidemiology. The overarching goal of this FOA is to provide support for pilot projects, testing of new techniques, secondary analyses of existing data, development and validation of measurement

methods, linkage of genetic polymorphisms with other variables related to cancer risk, and development of innovative projects for more comprehensive research in cancer etiology and epidemiology.
Amount: varies
LOI: N/R
Deadline: July 23, 2010; November 19, 2010; March 18, 2011; July 22, 2011; November 18, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-237.html
Key Words**:**

National Cancer Institute (NCI) Cancer Education and Career Development Program (R25)
PAR-10-165
National Cancer Institute (NCI)
The purpose of the CECDP is to support the development and implementation of institutional curriculum-dependent predoctoral/postdoctoral programs in the areas of cancer prevention and control, behavioral and population sciences research, nutrition, epidemiology, and/ or biostatistics.
Amount: $500,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-165.html
Key Words**: Educational Program Development, Cancer**

Development, Application, and Evaluation of Prediction Models for Cancer Risk and Prognosis (R01) and (R21)
PA-10-025 and PA-10-026
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages research applications from clinicians, epidemiologists, geneticists, statisticians, and translational researchers working in the field of cancer control and prevention to improve existing models for cancer risk and prognosis by developing innovative research projects that use existing data; develop new models for cancer risk and prognosis; and validate new models and evaluate their utility in research and clinic settings. To explore this opportunity, the NCI Division of Cancer Control and Population Sciences (DCCPS) and the Division of Cancer Treatment and Diagnosis (DCTD) encourage applications for research projects to develop, apply, and evaluate new and existing cancer risk and prognostic prediction models for use by researchers, clinicians, and the general public. This FOA is designed to provide a mechanism of support for investigators to address two major challenges in model development, which are: integrating diverse types of data (e.g., clinical, demographic, pathologic, environmental, epidemiologic, outcomes, and genetic data from varied data marts or warehouses); and ensuring adequate validation (i.e., using multiple separate populations to define sensitivity, specificity, and positive and negative predictive values).
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-025.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-026.html
Key Words**: Cancer control, Population Science**

Strategic Partnering to Evaluate Cancer Signatures [SPECS II] (U01)
PAR-10-126
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI) of the National Institutes of Health (NIH), encourages the submission of grant applications for support of the clinical application of multi-analyte molecular signatures derived from comprehensive molecular annotation of tumors. There is growing recognition in the clinical cancer research community that annotation of tumor specimens with data that integrates information about molecular alterations at the levels of DNA, RNA, and protein provides not only a more complete understanding of tumor biology but also provides a significant opportunity for developing new clinical tools to improve cancer treatment. Translating the knowledge gained from this molecular annotation into tools that can be used in clinical decision-making remains a major challenge. The purpose of this initiative is to build on recent demonstrations that molecular signatures correlate with important clinical parameters in cancer. The goal of this initiative is also to create publications and data sets that will be available and accessible to the scientific community in order to further the development, design, and conduct of future clinical trials (e.g., incorporation of molecular signatures into future clinical trials and large clinical validation studies) and to encourage appropriate commercialization to benefit the public health. The NCI invites investigators to form strategic partnerships that will bring together the multi-disciplinary expertise and resources needed to determine how the information derived from comprehensive molecular analyses can be used to improve patient care and, ultimately, patient outcomes.
Amount: varies
LOI: May 15, 2011, May 15, 2012
Deadline: June 15, 2011, June 15, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-126.html

Key Words**: Molecular Signatures, Diagnostic Tools, Assessment**

Exploratory Grant Award to Promote Workforce Diversity in Basic Cancer Research (R21)

PAR-09-162
National Cancer Institute (NCI)
This funding opportunity announcement (FOA), issued by the Center to Reduce Cancer Health Disparities (CRCHD) and the Division of Cancer Biology (DCB), at the National Cancer Institute (NCI), invites applications from investigators from diverse populations with interest in research projects focused on the basic biology of cancer. The NIH recognizes a unique and compelling need to promote diversity in the basic biology of cancer research workforce. The purpose of this FOA is to improve the diversity of the research workforce by supporting and recruiting eligible investigators from groups that have been shown to be underrepresented. This initiative will also provide a bridge to investigators that have completed their training and may need extra time to develop a full RO1 proposal. The NCI expects efforts to diversify the workforce to lead to the recruitment of the most talented researchers from all groups; to balance and broaden the perspective in setting research priorities; and to increase basic cancer researchers from diverse backgrounds.
Amount: $275,000
LOI: May 23, 2010; October 23, 2010; May 23, 2011; October 23, 2011
Deadline: June 23, 2010,November 23, 2010; June 23, 2011; November 23, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-162.html
Key Words**: Cancer, Diversity Practitioners, Cancer Biology**

Exploratory/Developmental Grants Program for Basic Cancer Research in Cancer Health Disparities (R21) and (U01)

PAR-09-160 and PAR-09-161
National Cancer Institute (NCI)
Through this Funding Opportunity Announcement (FOA), the Center to Reduce Cancer Health Disparities (CRCHD) and the Division of Cancer Biology (DCB), at the National Cancer Institute (NCI), invite grant applications from investigators interested in conducting basic research studies into the causes and mechanisms of cancer health disparities. These awards will support pilot and feasibility studies, development and testing of new methodologies, secondary data analyses, and innovative mechanistic studies that investigate biological/genetic bases of cancer health disparities. This FOA is also designed to aid and facilitate the growth of a nationwide cohort of scientists with a high level of basic research expertise in cancer health disparities research and to provide resources for those investigators that may need additional support on their path to successfully compete for R01/R01* funding in basic research in understanding cancer health disparities.
Amount: $275,000
LOI: N/R
Deadline: June 23, 2010; November 23, 2010; June 23, 2011; November 23, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-160.html and http://grants.nih.gov/grants/guide/pa-files/PAR-09-161.html
Key Words**: Cancer, Disparities, Epidemiology**

Exploratory Cancer Prevention Studies Involving Molecular Targets for Bioactive Food Components (R21)

PA-10-088
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), National Institutes of Health (NIH), encourages exploratory research on the role of nutrition in cancer prevention. Specifically, this FOA seeks to promote cancer prevention research to identify and characterize molecular targets for bioactive food components. For the purpose of this FOA, a bioactive food component is defined as a dietary constituent that has a health benefit by altering one or more cellular processes when provided in quantities over and beyond that needed for basic nutrition.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-088.html
Key Words**: Molecular Targets, Food, Cancer**

Academic-Industrial Partnerships for Translation of in vivo Imaging Systems for Cancer Investigations (R01)

PAR-10-169
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA) issued by the Cancer Imaging and Radiation Research Programs of the National Cancer Institute (NCI), National Institutes of Health (NIH), encourages applications from research partnerships formed by academic and industrial investigators to accelerate the translation of either animal or human in vivo imaging, image guided, and/or spectroscopic

systems and methods designed to solve targeted cancer problems for cancer research, clinical trials, and/or clinical practice. The partners on each application will establish an inter-disciplinary, multi-institutional research team to work in a strategic alliance to implement a coherent strategy to develop and translate the proposed system or methods with potential for significant impact on preclinical, single, or multisite clinical studies. Partnerships must include at least one lead academic and one lead industrial organization large or small among their numbers. For either preclinical or clinical research, funding may be requested for limited additional copies of prototype systems and methods in order to optimize and validate them across different platforms and/or research sites. Each partnership is encouraged to plan to solve its choice of targeted cancer problem within the five year funding period. This FOA supports clinical trials that emphasize optimization and validation of the performance of imaging systems, including devices, agents and/or methods. It will not support commercial production.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-169.html
Key Words**: in vivo Imaging, Cancer**

Epigenetic Approaches in Cancer Epidemiology (R01) and (R21)

PA-10-031 and PA-10-032
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages research applications that propose to evaluate profiles of methylation, histone modifications and micro RNA (miRNA) and their association with risk of developing cancer in different populations. The overarching goal of this FOA is to provide support for population based studies to define the role of epigenetic markers (methylation, histone and micro RNA profiles) changes to understand cancer etiology.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-031.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-032.html
Key Words**: Methylation, Micro RNA, miRNA, Histone**

In vivo Cellular and Molecular Imaging Centers (ICMICs) (P50)

PAR-09-157
National Cancer Institute (NCI)
The Cancer Imaging Program, and the Division of Cancer Diagnosis and Treatment, at the National Cancer Institute (NCI), invites new or renewal (competing) applications for P50 Research Center Grants for In vivo Cellular and Molecular Imaging Centers (ICMICs). The program will fund the 5-year P50 ICMIC grants to support interdisciplinary scientific teams conducting cutting-edge cancer molecular imaging research. ICMIC funding is designed to: (1) support innovative cancer molecular imaging research projects; (2) support unique core facilities; (3) enable the awardees to initiate pilot research in new promising directions; and (4) provide interdisciplinary career development opportunities for investigators new to the field of molecular cancer imaging.
Amount: $6,250,000
LOI: September 28, 2010; September 28, 2011
Deadline: October 28, 2010; October 28, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-157.html
Key Words**: Cancer Center, Imaging**

Cancer Prevention Research Small Grant Program (R03)

PAR-08-055
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA) is designed to enhance the basic and applied cancer prevention research. The National Cancer Institute (NCI) invites applications that propose small and time-limited projects pertinent to the development of cancer chemoprevention agents, biomarkers for early cancer detection, cancer-related nutrition science, and/or clinical prevention studies that focus on specific target organs. Proposed projects may involve basic and/or translational research and/or human subjects-oriented research. However, treatment-related quality-of-life population-based studies, as well as projects focused on cancer etiology, metastasis, or treatment will be considered non-responsive to this FOA. New, as well as established, investigators in relevant fields and disciplines (e.g., chemoprevention, nutritional science, genetics, infectious agents, and early detection, including biomarker development and validation) are encouraged to apply for these small grants to test the feasibility of innovative ideas or carry out pilot studies. Ultimately, these small grants are expected to facilitate the development of full research projects.
Amount: $100,000
LOI: N/R
Deadline: July 19, 2010; December 09, 2010
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-055.html
Key Words**: Cancer**

Amendments to PAR-10-165, The National Cancer Institute (NCI) Cancer Education and Career Development Program (R25)
NOT-CA-10-023
National Cancer Institute (NCI)
This Notice is to inform the scientific community about corrections to Program Announcement PAR-10-165. Specific changes are as follows:
Executive Summary
Budget and Project Period: The total project… may not exceed five years. Although the size of award may vary with the scope of the research education program proposed, the direct costs per annum requested in application will stay below $500,000. In addition, the direct cost for year one of new (i.e., Type 1) applications, during which no participant costs are allowed, must stay below $100,000.
Section II. Award Information, 2. Funds Available
The total project… may not exceed five years. Although the size of award may vary with the scope of the research education program proposed, the direct costs per annum requested in application will stay below $500,000. In addition, the direct cost for year one of new (i.e., Type 1) applications, during which no participant costs are allowed, must stay below $100,000.
Participant Costs:
Beginning with the May 25, 2010 submission date, participant costs will not be allowed for the first year of any new (i.e., Type 1) application. Year 1 funds for new (Type 1) applications may be requested for curriculum and program planning only. The direct cost for year one of new (i.e., Type 1) applications must stay below $100,000.
Pre-doctoral participants may receive salary support up to $22,000 per year and $20,000 per year for research and development support.
Within the $500,000/year direct cost budget cap, the NCI will support up to $100K per year in direct costs to cover the following expenses:
Amount:
LOI:
Deadline: Released April 23, 2010
To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-CA-10-023.html
Key Words**:**

National Cancer Institute Program Project (P01) Applications
PAR-09-025
National Cancer Institute (NCI)
With this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI) invites applications for investigator-initiated program project (P01) grants. Proposed program projects may address any of the broad areas of cancer research, including (but not limited to) cancer biology, cancer treatment, cancer diagnosis, cancer prevention, and cancer control. Basic, translational, clinical, and/or population-based studies in all of these research areas are appropriate. Each Program Project application must consist of at least three component projects. The component projects must share a common central theme, focus, and/or overall objective.
Amount: varies
LOI: August 28, 2010; December 28, 2010; April 30, 2011; August 28, 2011
Deadline: September 28, 2010; January 28, 2011; May 27, 2011; September 28, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-025.html
Key Words**: Cancer, Cancer Biology, Clinical Translational Research**

Collaborative Research in Integrative Cancer Biology and the Tumor Microenvironment (U01)
PAR-09-026
National Cancer Institute (NCI)
With this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI) encourages new collaborative projects between investigators associated with the Integrative Cancer Biology Program (ICBP) or Tumor Microenvironment Network (TMEN) and researchers who are not involved with the program with which they propose to collaborate. This FOA is designed to facilitate new projects in integrative cancer biology and/or tumor microenvironment research and to extend current research conducted in the ICBP and TMEN programs through collaborations with a broader research community. Research projects proposed in response to this FOA should be collaborative and aligned with the missions of the ICBP or TMEN programs. In addition to proposing new research, these projects should leverage the resources and expertise currently available within the ICBP and TMEN communities, in order to extend and enhance the programs with new ideas, methods, expertise, and resources.
Amount: varies
LOI: September 19, 2010; January 18, 2011; September 19, 2011
Deadline: October 19, 2010; February 18, 2011; October 19, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-026.html
Key Words**: Cancer, Tumor Microenvironment**

NCI Transition Career Development Award to Promote Diversity (K22)
PAR-09-069
National Cancer Institute (NCI)
The purpose of the National Cancer Institute (NCI) Career Transition Award (K22) is to help ensure that a diverse pool of highly trained scientists are available in adequate numbers and in appropriate research areas to address the nation's biomedical, behavioral, and clinical research needs. The Diversity Training Branch (DTB), the Center to Reduce Cancer Health Disparities (CRCHD) (http://crchd.cancer.gov/), and the Office of the Director (OD) (http://www.nih.gov/icd/od/), invite applications from recipients of the NCI Mentored Career Development Award to Promote Diversity, or from advanced postdoctoral and/or newly independent research scientists representative of groups that are underrepresented in biomedical, behavioral, clinical, and/or social sciences. This award will provide "protected time" for recipients to develop and receive support for their initial cancer research program. In addition, this award can provide a two-year mentored experience in NCI intramural programs for interested individuals. The unique feature of this award is that the individuals may apply without a sponsoring institution while they are still in a mentored position.
Amount: $450,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-069.html
Key Words**: Cancer, Under-Represented Minorities**

Established Investigator Award in Cancer Prevention & Control (K05)
PAR-09-088
National Cancer Institute (NCI)
The NCI Established Investigator Award (K05) provides qualified cancer prevention, control, behavioral, and/or population scientists with protected time to devote to research and to mentoring new investigators.
Amount: salary support + $25,000/year
LOI: N/A
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-088.html
Key Words**: Molecular Epidemiology, Community and Social Variables of Cancer**

Etiology, Prevention, and Treatment of Hepatocellular Carcinoma (P01)
PAR-09-147
National Cancer Institute (NCI)
With this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI) invites grant applications that: (a) address the etiology and etiologic mechanisms of hepatocellular carcinoma (HCC); (b) propose development of animal models for HCC; (c) propose novel approaches to prevent HCC malignancy; (d) propose therapeutic or diagnostic tools for reliable prognostic indicators for HCC; and/or (e) develop therapeutic approaches to minimize morbidity and mortality associated with HCC in humans. The primary focus of the proposed projects must be on the basic biology, prevention, and/or treatment of liver cancer.
Amount: varies
LOI: April 28, 2010; August 28, 2010; December 28, 2010; and April 27, 2011
Deadline: May 28, 2010; September 28, 2010; January 28, 2011; and May 27, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-147.html
Key Words**: Hepatocarcinoma**

Diet-Induced Changes in Inflammation as Determinants of Colon Cancer
[(R01) PA-08-210]
[(R21) PA-08-211]
PA-08-210 and PA-08-211
National Cancer Institute
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), encourages the submission of grant applications that describe research projects focused on the identification and characterization of diet-induced changes in inflammation linked to colon cancer risks. This FOA is designed to stimulate research efforts that will lead to the identification and characterization of: diet-induced changes in anti- and pro-inflammatory mediators that modulate colon cancer risk; b) genetic polymorphisms that modify the responses to specific bioactive food components with regard to colon cancer inhibition; and c) the physiological effectiveness of dietary components in terms of concentration, activity, duration of exposure, degrees of stability, chemical forms, and receptor-binding affinity in inflammatory colonocytes. This FOA will not support applications that propose epidemiological studies based on diet-related risks of colon cancer.
Amount: varies
LOI: N/R
Deadline: Standard dates apply

To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-210.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-211.html
Key Words**: Colon Cancer, Nutrition**

Mitochondria in Cancer Epidemiology, Detection, Diagnosis and Prognosis (R01) [PA-08-143] and (R21) [PA-08-144]
PA-08-143 and PA-08-144
National Cancer Institute
This funding opportunity announcement (FOA) encourages Research Project Grant (R01) applications that propose to develop and validate new mitochondrial-related biomarkers for cancer early detection, diagnosis, prognosis, risk assessment, and response to preventive and ameliorative treatments.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-143.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-144.html
Key Words**:**

Pilot studies in Pancreatic Cancer
[(R21) PA-08-208] and [(R03) PA-08-209]
PA-08-208 and PA-08-209
National Cancer Institute
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI) of the National Institutes of Health (NIH), solicits the submission of Research Project Grant (R21) applications from institutions and organizations that propose to promote innovative research across multiple disciplines for a better understanding of the biology, etiology, detection, prevention, and treatment of pancreatic cancer.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-208.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-209.html
Key Words**: Pancreatic Cancer**

Department of Defense (DOD) Peer Reviewed Cancer Research Program (PRCRP)
Department of Defense (DoD)
Congressionally Directed Medical Research Programs (CDMRP)
The Fiscal Year 2010 (FY10) Defense Appropriation Act provides for $15 million (M) to the Department of Defense (DOD) Peer Reviewed Cancer Research Program (PRCRP) to research cancers not addressed in breast, prostate, lung, and ovarian cancer research programs currently executed by the U.S. Army Medical Research and Materiel Command (USAMRMC) through the Office of the Congressionally Directed Medical Research Programs (CDMRP).
The funds provided are directed to be used to conduct research under the following award mechanisms:
· Concept Award
· Idea Award
· Translational New Investigator Award
Amount: up to $750,000
LOI: July 14, 2010
Deadline: October 20, 2010
To learn more**:** http://cdmrp.army.mil/funding/prcrp.htm
Key Words**: Melanoma and other skin cancers, Pediatric brain tumors within the field of childhood cancer, Genetic cancer research and genomic medicine, Blood cancers, Colorectal cancer, Kidney cancer, Listeria vaccine for cancer, Radiation protection utilizing nanotechnology**

Grant for Research into the Cause, Prevention and Treatment of Cancer
Charlotte Geyer Foundation
The Charlotte Geyer Foundation provides interim funding up to $100,000 to researchers who have submitted an original R01 or R21 proposal to the National Cancer Institute and have not received a fundable score.
Amount: $100,000
LOI: N/R
Deadline: July 15, Nov. 15, March 15
To learn more**:** http://www.charlottegeyer.org/
Key Words**: Cancer**

AACR's Annual Scientific Awards

American Association Cancer Research (AACR)
The AACR is now accepting nominations for the awards recognizing excellence in cancer research. Please note that there is no limit to the number of candidates who can be nominated from any one institution or nominator. Award amounts and deadlines vary please check the details for each award.
Amount: varies with award
LOI: N/R
Deadline: Deadlines vary with each award please check program announcement for details. Earliest: May 20, 2010; latest: October 15, 2010
To learn more**:** http://www.aacr.org/home/scientists/scientific-achievement-awards.aspx
Key Words**: Breast Cancer, Cancer Prevention, Translational Cancer Research, Epidemiology, Detection, Diagnosis, Treatment of Cancer, Leadership in Cancer Research, Basic Cancer Research, Clinical Cancer Research, Chemistry in Cancer**

Mentored Research Scholar Grant in Applied and Clinical Research

ACS
Support mentored research by full-time faculty, typically within the first four years of their appointment, with the goal of becoming independent investigators in clinical, cancer control and prevention, epidemiologic, psychosocial, behavioral, health services and health policy research.
Amount: up to five years and for up to $135,000 per year
LOI: N/R
Deadline: April 1 and October 15; annually
To learn more**:**
http://www.cancer.org/docroot/RES/content/RES_5_2x_Mentored_Research_Scholar_Grant_in_Applied_and_Clinical_Research.asp?sitearea=RES
Key Words**:**

Physician Training Awards in Preventive Medicine

ACS
This award is made to support primary care physicians with a rank of instructor to assistant professor who are pursuing an academic career with an emphasis on cancer control.
Amount: $300,000
LOI: N/R
Deadline: April 1, annually
To learn more**:**
http://www.cancer.org/docroot/RES/content/RES_5_2x_Physician_Training_Awards_in_Preventive_Medicine.asp?sitearea=RES
Key Words**:**

Postdoctoral Fellowship

ACS
This award is to support the training of researchers who have just received their doctorate to enable them to qualify for an independent career in cancer research (including basic, preclinical, clinical, psychosocial, behavioral, and epidemiologic research).
Amount: one to three years with progressive stipends of $40,000, $42,000, and $44,000 per year, plus a $4,000 per year institutional allowance
LOI: N/R
Deadline: April 1 and October 15; annually
To learn more**:** http://www.cancer.org/docroot/RES/content/RES_5_2x_Postdoctoral_Fellowships.asp?sitearea=RES
Key Words**:**

AACR-FNAB Fellows Grant for Translational Pancreatic Cancer Research

American Association for Cancer Research (AACR)
One-year grant of $35,000. Research projects are restricted to translational pancreatic cancer research that includes the use of human tissue and has implications for therapeutic application and individualized medicine. Proposed research must have implications for individualized cancer treatment and must make use of human biopsies or samples, such as needle biopsies or circulating cancer cells. In vivo primary tumor explants meet these criteria, but xenografts from established cell lines do not.
Amount: $35,000
LOI: N/R

Deadline: November 18, 2010
To learn more: http://www.aacr.org/home/scientists/research-funding--fellowships/fellows-grants.aspx
Key Words: **Pancreatic Cancer**

Complementary & Alternative Medicine (CAM)

Biology of Manual Therapies (R01) and (R21)
New
PA-10-209 and PA-10-210
National Center for Complementary and Alternative Medicine (NCCAM)
National Cancer Institute (NCI)
This FOA issued by National Center for Complementary and Alternative Medicine (NCCAM) and the National Cancer Institute (NCI), at the National Institutes of Health (NIH), encourages research grant applications (R01) from institutions/organizations that propose to investigate the basic science and mechanisms of action underlying the biomechanical, immunological, endocrinological and/or neurophysiological consequences of manual therapies, such as spinal manipulation, mobilization and massage therapy.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-209.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-210.html
Key Words:

Alzheimer's Disease Pilot Clinical Trials (R01)
PAR-08-062
NIH
This Funding Opportunity Announcement (FOA) issued by the National Institute on Aging (NIA), the National Center for Complementary and Alternative Medicine (NCCAM), and the National Institute of Nursing research (NINR), National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/ organizations that propose to initiate pilot clinical trials for treatment or prevention of MCI, AD, and/or age –related cognitive decline
Amount: up to $450,000 per year for 3 years
LOI: N/R
Deadline: multiple, see link
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-062.html
Key Words:

NIH Blueprint for Neuroscience Research Grand Challenge on the Transition from Acute to Chronic Neuropathic Pain (R01)
RFA-DE-11-002
National Institutes of Health (NIH)
multiple institutes
The goal of this FOA is to facilitate research collaborations between pain scientists and non-pain neuroscientists with expertise in neuroplasticity in order to study biological mechanisms underlying the transition from acute to chronic pain. These collaborations will capture insights and expertise from disciplines where transitions from health to disease have been extensively examined. The purpose of this FOA is to encourage submission of multi-PI grant applications that propose highly collaborative, multidisciplinary research projects addressing neuropathic pain conditions. An expected outcome of this FOA will be the formation of partnerships between pain researchers and non-pain neuroscientists to develop new collaborations focused on understanding the maladaptive neuroplastic changes that occur during the transition from acute to chronic neuropathic pain.
Amount: varies
LOI: August 30, 2010
Deadline: September 29, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-11-002.html
Key Words:

Collaborative R34s for Pilot Studies of Innovative Treatments in Mental Disorders (Collaborative R34)
PA-09-075
National Institute of Mental Health (NIMH)
National Center for Complementary and Alternative Medicine

This Funding Opportunity Announcement (FOA), issued by the National Institute of Mental Health (NIMH) and the National Center for Complementary and Alternative Medicine (NCCAM), seeks to support collaborative preliminary intervention studies to evaluate the feasibility, tolerability, acceptability and safety of novel mechanism drug candidates, promising investigational new drugs (INDs), or novel psychosocial strategies for the treatment of mental disorders and for obtaining the preliminary data needed as a pre-requisite to larger-scale (efficacy or effectiveness) intervention or services studies. This FOA should be used when at least two but no more than three sites are needed to complete the study. The collaborating studies should be organized in order to increase sample size, accelerate recruitment, and/or increase sample diversity and representation. For a linked set of collaborative R34s, each site shall have its own Project Director/Principal Investigator and provide for a mechanism for cross-site coordination, quality control, database management, statistical analysis, and reporting.
Amount: $450,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-075.html
Key Words**: Mental Disorders, Drug Therapy**

Short Courses on Mathematical, Statistical, and Computational Tools for Studying Biological Systems (R25)

PA-09-002
National Institute of General Medical Sciences (NIGMS)
National Center for Complementary and Alternative Medicine (NCCAM)
National Institute on Aging (NIA)
National Institute of Mental Health
This FOA issued by the National Institute of General Medical Sciences, the National Center for Complementary and Alternative Medicine, the National Institute on Aging and the National Institute of Mental Health encourages applications for Research Education Grants (R25) from institutions and organizations to conduct workshops and short courses to improve integration of mathematical, statistical, and computational approaches into biological and/or behavioral research. Support will be limited to activities that reach a wide audience of researchers. The program announcement is NOT intended for university course or curriculum development.
Amount: $1,000,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-002.html
Key Words**: Statistical Analysis, Behavioral Research, Computational Analysis**

Centers of Excellence for Research on CAM (CERC) for Pain (P01)

RFA-AT-10-002
National Center for Complementary and Alternative Medicine, (NCCAM/NIH)
The purpose of this Funding Opportunity Announcement (FOA) is to support and enhance research on the application and use of promising complementary/alternative/integrative medicine (CAM/IM) modalities or approaches in the setting of chronic pain. Specifically, this FOA encourages applications for Centers comprised of three or four synergistic, R01-comparable projects by multidisciplinary research teams focused on the basic, mechanistic, and/or translational research questions that must be addressed in order to better understand the optimal application and use of CAM/IM interventions for treating or ameliorating chronic pain.
Amount: $6,250,000
LOI: July 13, 3010
Deadline: August 13, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-AT-10-002.html
Key Words**: Pain Management**

Basic and Preclinical Research on Complementary and Alternative Medicine (CAM) (R01)

PA-09-010
National Center for Complementary and Alternative Medicine (NCCAM)
National Cancer Institute (NCI)
Office of Dietary Supplements (ODS)
This Funding Opportunity Announcement (FOA) issued by the National Center for Complementary and Alternative Medicine (NCCAM), the National Cancer Institute (NCI), and the Office of Dietary Supplements (ODS), National Institutes of Health (NIH), encourages complementary and alternative medicine (CAM) and conventional researchers to carry out basic and/or preclinical research on CAM areas of special interest with an aim to understand the mechanisms of action of a CAM modality. -Mechanism of Support.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-010.html
Key Words**: CAM, Alternative Medicine**

Preliminary Clinical Studies in Preparation for Large Interventional Trials of Complementary and Alternative Medicine (CAM) Therapies (R34)
PAR-10-163
National Center for Complementary and Alternative Medicine (NCCAM)
The goal of this FOA, issued by the National Center for Complementary and Alternative Medicine, is to support early phase clinical research and development on high priority CAM interventions. This mechanism is intended to support the development of methodology and the preliminary data needed for planning and design of subsequent, larger randomized clinical trials, cluster randomized trials or cohort studies. This mechanism is not appropriate for support of randomized clinical trials to test or determine efficacy. It is appropriate for development of preliminary studies that will contribute to the design of either efficacy or real-world effectiveness studies.
Amount: $450,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-163.html
Key Words**: CAM Interventions, Alternative Medicine**

Change in Receipt Date for NCCAM T32 and T35 Applications
NOT-AT-10-004
NOT-AT-10-005
National Center for Complementary and Alternative Medicine (NCCAM)
This Notice is to inform potential applicants that the National Center for Complementary and Alternative Medicine (NCCAM) is changing, effective immediately, the single, annual receipt date for all NCCAM-assigned T32 applications from May 25th to January 25th commencing with the January 25, 2011 receipt date. Applications will not be accepted for May 25, 2010. All other aspects of the FOAs remain unchanged including the expiration date.
Amount:
LOI:
Deadline: Released April 19, 2010
To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-AT-10-004.html and http://grants.nih.gov/grants/guide/notice-files/NOT-AT-10-005.html
Key Words**:**

Developmental Projects in Complementary Approaches to Cancer Care and Treatment (R21) and (R03)
PA-09-167 and PA-09-168
National Cancer Institute (NCI)
National Institute of Nursing Research (NINR)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), and the National Institute of Nursing Research (NINR), of the National Institutes of Health, invites applications for basic, pre-clinical, and clinical complementary cancer research. The research should relate to the areas of prevention, diagnosis, and treatment of cancer as well as management of cancer symptoms and side effects due to conventional cancer treatment. In addition, this FOA encourages the development and application of emerging and innovative technologies, including identification of novel therapeutics in the pharmacopoeia of Traditional Medical Systems (as defined by the World Health Organization), use of complementary approaches to improve the therapeutic ratio of standard and investigational anti-cancer therapies, and research on lifestyle modifications (e.g. diet, exercise, mind-body approaches) for their impact on cancer outcomes (e.g., response to conventional cancer therapy, survival). The overarching goals of this FOA is to encourage investigators to submit high quality, preliminary research of humans that will advance the science of Complementary and Alternative Medicine (CAM) and provide a solid foundation and justification for future research project (R01) grant applications to definitively determine the efficacy of CAM approaches.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-167.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-168.html
Key Words**: CAM, Alternative Therapy, Cancer**

Cytomics

Stress Pathways in Alcohol Induced Organ Injury and Protection (R01) and (R21)
PA-10-093 and PA-10-094
National Institute on Alcohol Abuse and Alcoholism (NIAAA)

This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Research Project Grant (R01) applications that propose studying the role of cellular stress responses, the cytoplasmic classical stress response or heat shock response (HSR) and the endoplasmic reticulum (ER) stress, in alcohol-induced tissue injury and tissue protection. While excessive alcohol use causes organ damage, moderate alcohol consumption may be beneficial. The underlying molecular mechanisms for this apparent dichotomy of alcohol's harmful and salutary effects are currently not fully understood. Alcohol induces cellular stress pathways in the cytoplasm and in the endoplasmic reticulum that may significantly be involved in alcohol-induced tissue injury or mediate tissue protection depending on the quantity, frequency, duration, and temporal pattern of drinking. Hence, studies of the effects of alcohol on cellular stress pathways are critical to understand the mechanisms of alcohol-induced injuries or protection to develop new strategies for prevention, diagnosis and treatment. The purpose of this FOA is to: (1) acquire insight into how acute or chronic alcohol consumption affects cellular stress pathways and in turn, how these changes contribute to alcohol-induced injury/protection; (2) investigate how alcohol induced stress responses mediate cell survival and death signaling pathways at macromolecular, organelle, cellular and organism level contributing to alcohol-induced tissue injury/protection; (3) develop potential stress related biomarkers for prognosis, diagnosis of tissue injury/protection, furthermore identify new targets for their therapeutic interventions. Utilizing innovative experimental design and emerging technologies, such as deep sequencing, genomics, proteomics, metabolomics, bioinformatics, and novel imaging techniques these investigations are expected to provide a more comprehensive understanding of how alcohol affects the evolutionally conserved stress pathways and elucidate their roles in tissue injuries and repair.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-093.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-094.html
Key Words**: Alcohol-Induced Tissue Injury**

The Role of Cellular Organelles in Alcohol-Induced Tissue Injury (R01) and (R21)
PA-10-085 and PA-10-086
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Research Project Grant (R01) applications that propose to study biological processes involving the cellular organelles in alcohol-induced tissue injury. Excessive alcohol consumption can damage many organ systems including the liver, heart, pancreas, brain, and lung. However, the mechanisms for these injuries are currently not fully understood. Cellular organelles play an important role in cellular functions and are significantly involved in alcohol-induced tissue injury. Thus, studies of alcohol's effects on the structure and function of cellular organelles are critical to better understand the mechanisms of alcohol-induced injuries and to develop new strategies for their diagnosis and treatment. The purpose of this FOA is to: (1) better understand how acute or chronic alcohol consumption affects the structure and function of cellular organelles, and in turn, how these changes contribute to alcohol-induced injury; (2) investigate how variations of proteins in cellular organelles, or their regulation and function, including cellular signaling pathways, contribute to an individual's response to acute or chronic alcohol intake and alcohol-induced tissue injury; (3) develop potential biomarkers for prognosis and diagnosis of tissue injury, or identify new targets for therapeutic interventions. This FOA aims to foster the utilization of innovative experimental design and emerging technologies, such as genomics, proteomics, metabolomics, bioinformatics, as well as novel microscopic imaging techniques that illuminate functions in intact cells and tissues, to generate new mechanistic and clinical insights into alcohol-induced tissue injuries.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-085.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-086.html
Key Words**: Alcohol-Induced Tissue Injury**

Metals in Medicine (R01)
PA-08-251
National Institute of General Medical Sciences
National Cancer Institute
National Institute of Environmental Health Sciences
Office of Dietary Supplements
The objective of this Funding Opportunity Announcement (FOA), issued by the National Institute of General Medical Sciences (NIGMS), National Cancer Institute (NCI), National Institute of Environmental Health Sciences (NIEHS), and the Office of Dietary Supplements (ODS), National Institutes of Health is to encourage research that bridges the areas of inorganic chemistry and medicine. The mechanisms by which organisms control transition metal ions and the roles of these metals in cellular regulation and signaling in health and disease are of principal interest. The interactions of synthetic inorganic complexes with living systems and their components are an additional area of interest. These areas are linked by the need to involve researchers having a deep understanding of inorganic chemistry in medically relevant research. Much of the work is expected to involve collaborations including chemists, biologists, and medical researchers. The results will be relevant to understanding the mechanisms of metal handling by biological systems and the basic cellular roles underlying the nutritional requirement for essential metals. It is expected that this research will also contribute to the

identification of new targets for drug discovery, diagnostics, and future therapeutic approaches involving metal complexes, although drug development, per se, is not a focus of the program.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-251.html
Key Words**: Metals, Nutrition, Inorganic Chemistry**

Directed Stem Cell Differentiation for Cell-Based Therapies for Heart, Lung, and Blood Diseases (R21)
PA-09-248
National Heart, Lung, and Blood Institute (NHLBI)
This funding opportunity announcement (FOA) encourages Exploratory/Developmental (R21) grant applications from applicant organizations that propose to define the factors and mechanisms controlling the differentiation of embryonic or adult stem or progenitor cells, either in vitro or in vivo. It is designed to stimulate new scientific advances in stem cell differentiation including technology research that may not be hypothesis driven. The long range goal of this program is the development of methods to direct the differentiation or development of stem cells along specific cell lineages to yield replacement cells for clinical use, whether the replacement cells are formed in vitro for delivery or formed in vivo in the tissue or organ environment.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-248.html
Key Words**: Progenitor Cells, Stem Cell Differentiation**

Identifying Non-coding RNA Targets for Cancer Early Detection and Prevention (R21) and (R01)
PA-09-200 and PA-09-199
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages research grant applications from institutions/organizations on the discovery and characterization of non-coding (nc) RNAs in preneoplasias and early stage cancers to: 1) improve early cancer detection, intervention, and prevention; 2) predict risk of progression from preneoplasia to cancer, and 3) distinguish benign lesions from precancerous lesions.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-200.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-199.html
Key Words**: non-coding RNA, Cancer Detection, Biomarkers**

Biomarkers for Early Detection of Hematopoietic Malignancies (R01) and (R21)
PA-09-197 and PA-09-198
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages research grant applications from institutions/organizations for the development and validation of biomarkers for: a) early detection, prediction of progression, and recurrence of hematopoietic malignancies, especially in high-risk individuals; and, b) for risk assessment of primary and secondary hematopoietic malignancies. This FOA is also encourages the development and improvement of specific technologies and methods for quantitative detection of novel biomarkers associated with hematopoietic malignancies.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-197.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-198.html
Key Words**: Hematopoietic Cancers, Biomarkers**

Diabetes, Endocrine and Metabolism

Angiogenesis in the Nervous System in Health and Disease (R01) [PA-08-015] and (R21) [PA-08-016]
PA-08-015 and PA-08-016
NIH

This Funding Opportunity Announcement (FOA) is a program announcement (PA) issued by the National Institute of Neurological Disorders and Stroke (NINDS), the National Eye Institute (NEI), the National Institute on Aging (NIA), the National Cancer Institute (NCI), and the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health (NIH). The aim of this FOA is to invite applications to study angiogenesis in the nervous system. Specific areas of research this FOA seeks to encourage include study of the mechanisms controlling angiogenic responses to physiological and pathological stimuli, the development and patterning of nervous system vasculature, and the etiology of disorders affecting development and/or ongoing angiogenesis in nervous system vasculature.
Amount: unspecified
LOI: N/R
Deadline: Multiple dates, see announcement
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-015.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-016.html
Key Words**:**

Role of Adipose Tissue as an Endocrine Organ in Reproduction and Infertility (R01) [PA-08-059] and (R21) [PA-08-060]]
PA-08-059 and PA-08-060
NIH
This Funding Opportunity Announcement (FOA) issued by the National Institute of Child Health and Human Development, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/ organizations that propose to better understand the role of adipose tissue in the normal physiological regulation of reproduction, to discern its possible role in the etiology of diseases and disorders that impact human fertility, and to probe its potential importance in different racial/ethnic prevalence rates of certain reproductive disorders.
Amount: varies
LOI: N/R
Deadline: multiple, see link
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-059.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-060.html
Key Words**:**

The Role of Gastrointestinal Surgical Procedures in Amelioration of Obesity-Related Insulin, Resistance and Diabetes Independent of Weight Loss (R01)
PA-08-014
NIDDKD
This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health encourages Research Project Grant (R01) applications from Institutions/organizations that propose to explain the underlying mechanism(s) by which various gastrointestinal surgical procedures ameliorate obesity-related insulin resistance and diabetes independent of the resultant weight loss.
Amount: unspecified
LOI: N/R
Deadline: Multiple dates, see announcement.
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-014.html
Key Words**:**

NIDDK Central Repositories Non-renewable Sample Access (X01)
PAR-10-090
NIDDK Central Repositories Non-renewable Sample Access (X01)
The NIDDK Central Repositories house valuable samples and data from numerous major clinical studies. This FOA allows investigators to apply for access to non-renewable samples from one or more of these studies. Information about the samples available can be found at https://www.niddkrepository.org. Applicants must provide information from the NIDDK Central Repositories documenting sample availability. A separate solicitation will specifically request applications for samples from the DPT-1, EDIC, and DPP; samples from these studies cannot be requested via this FOA until November 1, 2010.
Amount: There are no dollars associated with these requests
LOI: N/R
Deadline: July 1, 2010, November 1, 2010, March 1, 2011, and July 1, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-090.html
Key Words**: Clinical Samples, Diabetes, Kidney Disease**

Renal Function and Chronic Kidney Disease in Aging (R01) and (R21)
PA-09-165 and PA-09-166

National Institute on Aging (NIA)
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
This Funding Opportunity Announcement (FOA) issued by the National Institute on Aging (NIA) and the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health, invites applications that propose basic, clinical, and translational research on chronic kidney disease (CKD) and its consequences in aging and in older persons. Applications should focus on the 1) biology and pathophysiology of CKD in animal models; 2) etiology and pathophysiology of CKD in the elderly; 3) epidemiology and risk factors for the development of CKD with advancing age; and/or 4) diagnosis, medical management and clinical outcomes of CKD in this population. Research supported by this initiative should enhance knowledge of CKD and its consequences in the elderly and provide evidence-based guidance in the diagnosis, prevention, and treatment of CKD in older persons.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-165.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-166.html
Key Words**: Kidney Disease, Diabetes, Aging**

Pilot and Feasibility Clinical Research Grants in Diabetes, Endocrine and Metabolic Diseases (R21)

PA-09-133
National Institute of Diabetes and Digestive and Kidney Diseases
Office of Dietary Supplements
This FOA, issued by National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the Office of Dietary Supplements (ODS) of the National Institutes of Health, encourages exploratory/developmental clinical research related to the prevention or treatment of diabetes, obesity and endocrine and genetic metabolic diseases. The Pilot and Feasibility Clinical Research Grants Program is designed to allow initiation of exploratory, short-term clinical studies, so that new ideas may be investigated without stringent requirements for preliminary data. The short-term studies should focus on research questions that are likely to have high clinical impact. They can include testing a new prevention strategy, a new intervention, or unique combinations of therapies. A high priority is the use of such studies to help stimulate the translation of promising research developments from the laboratory into clinical practice in diabetes, endocrine diseases and genetic metabolic diseases, including cystic fibrosis.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-133.html
Key Words**: Diabetes, Cystic Fibrosis, Metabolic Disease**

Adverse Metabolic Side Effects of Second Generation Psychotropic Medications Leading to Obesity and Increased Diabetes Risk (R01)

PAR-08-160
National Institute of Diabetes and Digestive and Kidney Diseases
National Institute of Mental Health
This Funding Opportunity Announcement (FOA) invites investigator-initiated research grant applications for studies examining the adverse metabolic effects (i.e., obesity and diabetes) of psychotropic medications in animal models and across the human lifespan (including pediatric, adult and geriatric populations). Applications responsive to this FOA should focus on 1) increasing the understanding of the nature, rates, and pathophysiology of adverse metabolic effects of psychotropic medications, 2) elucidating biomedical and psychosocial risk factors for the development of metabolic adverse effects of psychiatric therapeutics, and 3) develop interventions to prevent and/or mitigate metabolic adverse effects across the lifespan.
Amount: up to $500,000 per year
LOI: A letter of intent is requested 30 days prior to application receipt date
Deadline: multiple dates (October 22, 2010, June 22, 2011, February 22, 2012)
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-160.html
Key Words**: Neuropharmacology, Neuropsychopharmacology, Pathophysiology**

Translational Research for the Prevention and Control of Diabetes and Obesity (R18)

PAR-09-176
National Institute of Diabetes and Digestive and Kidney Diseases
Eunice Kennedy Shriver National Institute of Child Health and Human Development
Office of Behavioral and Social Science Research
The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) and the Office of Behavioral and Social Sciences Research (OBSSR) encourage NIH Research Demonstration and Dissemination Project grant (R18) applications from institutions/ organizations to test the effectiveness of interventions for the prevention and control of diabetes and obesity that have a high potential to be adopted, and sustained in applied health care settings. The approaches tested must be based on widely accepted interventions previously demonstrated to be efficacious

in clinical trials. Research must target the prevention or reversal of obesity, prevention of type 2 diabetes, improved care of type 1 and type 2 diabetes, or the prevention or delay of the complications of these conditions. The interventions proposed under this FOA should have the potential to be widely disseminated to clinical practice, individuals and communities at risk.
Amount: $2,500,000
LOI: N/R
Deadline: July 1, 2010, November 1, 2010, March 1, 2011, July 1, 2011, November 1, 2011, March 1, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-176.html
Key Words**: Obesity, Diabetes**

Planning Grants for Translational Research for the Prevention and Control of Diabetes and Obesity (R34)
PAR-09-177
National Institute of Diabetes and Digestive and Kidney Diseases
Eunice Kennedy Shriver National Institute of Child Health and Human Development
Office of Behavioral and Social Science Research
The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) and the Office of Behavioral and Social Sciences Research (OBSSR) encourage NIH Clinical Trial Planning Grant Program grant (R34) applications from institutions/ organizations to develop and pilot test translational interventions for the prevention and control of diabetes and obesity that have a high potential to be adopted, and sustained in applied health care settings. Research must be based on widely accepted interventions previously demonstrated to be efficacious in clinical trials. Research must target the prevention or reversal of obesity, prevention of type 2 diabetes, improved care of type 1 and type 2 diabetes, or the prevention or delay of the complications of these conditions. The interventions proposed under this FOA should have the potential to be widely disseminated to clinical practice, individuals and communities at risk.
Amount:
LOI: N/R
Deadline: July 1, 2010, November 1, 2010, March 1, 2011, July 1, 2011, November 1, 2011, March 1, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-177.html
Key Words**: Obesity, Diabetes**

Human Brown Adipose Tissue: Methods for Measurement of Mass and Activity (R21)
RFA-DK-10-002
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDKD)
This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases and the National Institutes of Biomedical Imaging and Bioengineering, National Institutes of Health, solicits applications for Exploratory/Development Research Grants (R21) to develop tools and methods capable of measuring the mass of brown adipose tissue (BAT) in human populations (e.g. amounts in different depots, amounts mixed in with WAT and muscle); to develop new tools to modulate and measure the metabolic activity of human BAT, or to develop additional markers of human BAT tissue mass or activity.
Amount: $275,000
LOI: October 13, 2010
Deadline: November 10, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-10-002.html
Key Words**: BAT, Metabolic Activity, Brown Adipose Tissue**

NIDDK Education Program Grants (R25)
PAR-10-092
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
Office of Dietary Supplements (ODS/NIH)
This funding opportunity announcement (FOA) encourages Research Education (R25) grant applications from applicant organizations that propose to create educational opportunities to attract undergraduate students, graduate students, and postdoctoral fellows to careers in areas of biomedical or behavioral research of particular interest to the NIDDK, while fostering the career development of these students and fellows. The NIDDK is especially interested in attracting students and postdoctoral fellows from scientific disciplines underrepresented in disease-oriented biomedical research, such as engineering, informatics, computer science, and computational sciences, to encourage them to apply their expertise to research relevant to diabetes and other endocrine and metabolic diseases; digestive and liver diseases; nutrition; obesity research and prevention; and kidney, urologic and hematologic diseases.
Amount: $500,000
LOI: N/R
Deadline: Standard dates apply for the remaining cycles
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-092.html
Key Words**: Diabetes, Obesity, Nutrition, Informatics, Hematologic Diseases**

NIDDK Small Grants for Clinical Scientists to Promote Diversity in Health-Related Research (R03)
PAR-09-223
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
Office of Dietary Supplements (ODS)
The purpose of this funding opportunity announcement (FOA) is to provide support for clinical scientists from underrepresented racial/ethnic backgrounds, disadvantaged backgrounds or clinical scientists with disabilities to conduct small research projects in the area of diabetes, endocrinology, metabolism, digestive diseases, hepatology, obesity, nutrition, kidney, urology, or hematology. The NIDDK and the ODS recognize the need to promote diversity in the health-related workforce by increasing the number of highly trained clinical researchers from diverse backgrounds conducting research in areas of importance to the NIDDK. This FOA is aimed at New Investigators (see Section III.1.B. for definition) who hold a health professional doctoral degree or other clinical doctoral degree AND who are from a group that have been shown to be underrepresented in biomedical research (see eligible PD/PI for full definition). The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.
Amount: $375,000
LOI: 30 days prior to application date
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-223.html
Key Words**: Diabetes, Endocrinology, Digestive Diseases, Training Grants**

Health Disparities in NIDDK Diseases (R01)
PA-09-262
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Institute of Nursing Research (NINR)
The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the National Institute of Nursing Research (NINR) of the National Institutes of Health (NIH) seek research to understand and mitigate issues of health disparities in high priority diseases within their scope, including diabetes, obesity, nutrition-related disorders, hepatitis C, gallbladder disease, H. Pylori infection, sickle cell disease, kidney diseases, urologic diseases, hematologic diseases, metabolic, gastrointestinal, hepatic, and renal complications from infection with HIV.NINR promotes and improves the health of individuals, families, communities, and populations, supports and conducts clinical and basic research and research training on health and illness across the lifespan.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-262.html
Key Words**: Diabetes, Health Disparities, Nursing, Clinical and Basic Research**

Non-Invasive Methods for Diagnosis and Progression of Diabetes, Kidney, Urological, Hematological and Digestive Diseases and Hypertensive Disorders (R01)
PA-09-181
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Heart Lung and Blood Institute (NHLBI)
This Funding Opportunity Announcement (FOA) is a call for the application of imaging and other non- or minimally-invasive technologies to detect, characterize, diagnose, identify persons with predisposition to, or monitor treatment of diseases of interest to the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the National Heart Lung and Blood Institute (NHLBI) of the National Institutes of Health (NIH). Also needed are new, robust surrogate markers for clinical trial endpoints, and new ways to characterize normal and pathological tissues in vivo. Diseases of interest include type 1 and 2 diabetes; acute and chronic kidney disease, liver, urologic, hematologic, digestive, endocrine, and metabolic diseases and their complications; obesity; obesity-related hypertension, hypertension, renal and vascular disorders leading to hypertension. Applicable techniques include molecular imaging and functional imaging approaches, imaging methods with high spatial, chemical or time resolution, metabolomics, proteomics, genomics, or new spectroscopic or sensor array technologies for monitoring metabolic or physiological events.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-181.html
Key Words**: Diabetes, Kidney Disease, Type I, Type II**

Pilot and Feasibility Clinical Research Grants in Kidney or Urologic Diseases (R21)
PAR-09-077
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, encourages Exploratory/Development Research Grants (R21) that propose small scale or pilot and feasibility clinical and translational research studies, including epidemiological studies or clinical trials related to kidney or urologic disease research that address important clinical and translational questions and are potentially of high clinical and public health impact. It is anticipated that some projects supported by these grants may lead to full-scale clinical studies including diagnostic strategies, epidemiological studies, or randomized clinical trials of diagnosis, prevention, or treatment of kidney or urologic diseases.
Amount: $500,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-077.html
Key Words**: Kidney Disease, Urinary Disease**

Ancillary Studies to Major Ongoing Clinical Research Studies to Advance Areas of Scientific Interest within the Mission of the NIDDK (R01)
PAR-09-247
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
This Funding Opportunity (FOA) encourages Research Project Grant (R01) applications from qualified investigators to conduct ancillary studies to major ongoing clinical research studies, including clinical trials, epidemiological studies and disease databases supported by the National Institute of Diabetes and Digestive and Kidney Diseases. Major studies include multi-center investigations, national databases and Phase 3 clinical trials. Examples of NIDDK-supported major clinical research studies eligible for ancillary studies may be found at http://www2.niddk.nih.gov/Research/ClinicalResearch/AncillaryStudies
Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-247.html
Key Words**: Phase 3 Clinical Trials, Diabetes, Epidemiological Studies**

Adherence Studies in Adolescents with Chronic Kidney or Urologic Diseases, or Diabetes (R01)
RFA-DK-10-004
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
Adherence to a prescribed treatment regimen, including medications, devices and behavioral recommendations, can significantly impact morbidity and mortality for patients with chronic diseases, including chronic kidney or urologic disease and diabetes. When adherence to complex and seemingly rigid treatment regimens is poor, the results can be tragic. Adolescence can also be a particularly challenging time for adherence given the competing demands in an adolescents life, the unique developmental changes, and rapidly changing set of responsibilities as they transition to adulthood. There are few studies in pediatrics beyond the HIV literature that address non-adherence. The purpose of the FOA is to support research to improve adherence in adolescents with chronic kidney or urologic diseases, or diabetes. Therefore, the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) invites applications from new or established investigators to pursue research to better understand factors that influence adherence, develop appropriate measures of adherence, and test innovative strategies to enhance adherence in this vulnerable population.
Amount: $2,500,000
LOI: October 18, 2010
Deadline: November 15, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-10-004.html
Key Words**: Diabetes, Kidney Disease, Adolescents**

Collaborative Interdisciplinary Team Science in Diabetes, Endocrinology and Metabolic Diseases (R24)
PAR-08-182
National Institute of Diabetes and Digestive and Kidney Diseases
The purpose of the Collaborative Interdisciplinary Team Science Program described in this announcement is to provide support to enable strong investigative teams to do inter- and/or trans-disciplinary research on a complex problem in biomedical science relevant to Diabetes, Endocrinology and Metabolic Diseases.
Amount: $2,500,000
LOI: October 4, 2010; February 24, 2011
Deadline: November 3, 2010; March 24, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-182.html
Key Words**: Diabetes, Endocrinology, Metabolic Diseases**

Seeding Collaborative Interdisciplinary Team Science in Diabetes, Endocrinology and Metabolic Diseases (R24)

PAR-08-181
National Institute of Diabetes and Digestive and Kidney Diseases
The purpose of the Seeding Collaborative Interdisciplinary Team Science Program described in this announcement is to provide initial support to enable strong new investigative teams to form, and to foster preliminary research activities. It is anticipated that research teams receiving seeding support under this program will be well positioned to compete for funds through the parent NIDDK Collaborative Interdisciplinary Research Program in Diabetes, Endocrinology and Metabolic Diseases solicitation.
Amount: $300,000
LOI: August
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-181.html
Key Words: **Diabetes, Endocrinology, Metabolic Diseases**

AHRQ Small Research Grant Program (R03)
PA-10-168
Agency for Healthcare Research and Quality (AHRQ)
This Funding Opportunity Announcement (FOA) encourages Small Research Grant (R03) applications, and expresses AHRQ portfolio priority areas of interest for ongoing small research projects. The R03 grant mechanism supports different types of health services research projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and, development of new research technology.
Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-168.html
Key Words: **Comparative Effectiveness Research, Prescription Drugs and Medicare, Arthritis and Non-Traumatic Joint Disorders, Cancer, Cardiovascular Disease, Stroke, Hypertension, Dementia, Alzheimer's Disease, Depression, Developmental Delays, ADHD, Autism, Diabetes, Infectious Diseases, HIV/AIDS, Obesity, Peptic Ulcer, Dyspepsia, Pregnancy, Pulmonary Disease/Asthma, Substance Abuse**

Digestive and Liver

Role of Adipose Tissue as an Endocrine Organ in Reproduction and Infertility (R01) [PA-08-059] and (R21) [PA-08-060]]
PA-08-059 and PA-08-060
NIH
This Funding Opportunity Announcement (FOA) issued by the National Institute of Child Health and Human Development, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/ organizations that propose to better understand the role of adipose tissue in the normal physiological regulation of reproduction, to discern its possible role in the etiology of diseases and disorders that impact human fertility, and to probe its potential importance in different racial/ethnic prevalence rates of certain reproductive disorders.
Amount: varies
LOI: N/R
Deadline: multiple, see link
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-059.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-060.html
Key Words:

The Role of Gastrointestinal Surgical Procedures in Amelioration of Obesity-Related Insulin, Resistance and Diabetes Independent of Weight Loss (R01)
PA-08-014
NIDDKD
This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health encourages Research Project Grant (R01) applications from Institutions/organizations that propose to explain the underlying mechanism(s) by which various gastrointestinal surgical procedures ameliorate obesity-related insulin resistance and diabetes independent of the resultant weight loss.
Amount: unspecified
LOI: N/R
Deadline: Multiple dates, see announcement.
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-014.html
Key Words:

NIDDK Central Repositories Non-renewable Sample Access (X01)

PAR-10-090
NIDDK Central Repositories Non-renewable Sample Access (X01)
The NIDDK Central Repositories house valuable samples and data from numerous major clinical studies. This FOA allows investigators to apply for access to non-renewable samples from one or more of these studies. Information about the samples available can be found at https://www.niddkrepository.org. Applicants must provide information from the NIDDK Central Repositories documenting sample availability. A separate solicitation will specifically request applications for samples from the DPT-1, EDIC, and DPP; samples from these studies cannot be requested via this FOA until November 1, 2010.
Amount: There are no dollars associated with these requests
LOI: N/R
Deadline: July 1, 2010, November 1, 2010, March 1, 2011, and July 1, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-090.html
Key Words**: Clinical Samples, Diabetes, Kidney Disease**

Pilot and Feasibility Clinical Research Grants in Diabetes, Endocrine and Metabolic Diseases (R21)

PA-09-133
National Institute of Diabetes and Digestive and Kidney Diseases
Office of Dietary Supplements
This FOA, issued by National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the Office of Dietary Supplements (ODS) of the National Institutes of Health, encourages exploratory/developmental clinical research related to the prevention or treatment of diabetes, obesity and endocrine and genetic metabolic diseases. The Pilot and Feasibility Clinical Research Grants Program is designed to allow initiation of exploratory, short-term clinical studies, so that new ideas may be investigated without stringent requirements for preliminary data. The short-term studies should focus on research questions that are likely to have high clinical impact. They can include testing a new prevention strategy, a new intervention, or unique combinations of therapies. A high priority is the use of such studies to help stimulate the translation of promising research developments from the laboratory into clinical practice in diabetes, endocrine diseases and genetic metabolic diseases, including cystic fibrosis.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-133.html
Key Words**: Diabetes, Cystic Fibrosis, Metabolic Disease**

Human Brown Adipose Tissue: Methods for Measurement of Mass and Activity (R21)

RFA-DK-10-002
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDKD)
This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases and the National Institutes of Biomedical Imaging and Bioengineering, National Institutes of Health, solicits applications for Exploratory/Development Research Grants (R21) to develop tools and methods capable of measuring the mass of brown adipose tissue (BAT) in human populations (e.g. amounts in different depots, amounts mixed in with WAT and muscle); to develop new tools to modulate and measure the metabolic activity of human BAT, or to develop additional markers of human BAT tissue mass or activity.
Amount: $275,000
LOI: October 13, 2010
Deadline: November 10, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-10-002.html
Key Words**: BAT, Metabolic Activity, Brown Adipose Tissue**

Non-Invasive Methods for Diagnosis and Progression of Diabetes, Kidney, Urological, Hematological and Digestive Diseases and Hypertensive Disorders (R01)

PA-09-181
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Heart Lung and Blood Institute (NHLBI)
This Funding Opportunity Announcement (FOA) is a call for the application of imaging and other non- or minimally-invasive technologies to detect, characterize, diagnose, identify persons with predisposition to, or monitor treatment of diseases of interest to the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the National Heart Lung and Blood Institute (NHLBI) of the National Institutes of Health (NIH). Also needed are new, robust surrogate markers for clinical trial endpoints, and new ways to characterize normal and pathological tissues in vivo. Diseases of interest include type 1 and 2 diabetes; acute and chronic kidney disease, liver, urologic, hematologic, digestive, endocrine, and metabolic diseases and their complications; obesity; obesity-related

hypertension, hypertension, renal and vascular disorders leading to hypertension. Applicable techniques include molecular imaging and functional imaging approaches, imaging methods with high spatial, chemical or time resolution, metabolomics, proteomics, genomics, or new spectroscopic or sensor array technologies for monitoring metabolic or physiological events.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-181.html
Key Words**: Diabetes, Kidney Disease, Type I, Type II**

Pilot and Feasibility Clinical Research Studies in Digestive Diseases and Nutrition (R21)
PA-09-151
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Cancer Institute (NCI)
National Institute of Nursing Research (NINR)
Office of Dietary Supplements, National Institutes of Health (ODS)
This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK); the National Cancer Institute (NCI); the National Institute for Nursing Research (NINR), and Office of Dietary Supplements (ODS) of the National Institutes of Health, encourages pilot and feasibility clinical and epidemiological research studies of new therapies or means of health promotion and prevention of digestive and liver diseases and nutritional disorders associated with digestive and liver diseases, including cancer.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-151.html
Key Words**: Liver Disease, Nutritional Disorders**

Immune Defense Mechanisms at the Mucosa Cooperative Study Group (U01)
RFA-AI-10-008
National Institute of Allergy and Infectious Diseases (NIAID)
The National Institute of Allergy and Infectious Diseases (NIAID) invites applications from institutions/organizations to participate in a cooperative study group focused on immune defense mechanisms and immune regulation at mucosal surfaces including respiratory, gastrointestinal and urogenital tract mucosa. The goal is to break new ground in the understanding of basic mucosal immune defense mechanisms by introducing new ideas, approaches and technologies that address the difficult questions remaining in mucosal immune defense. The knowledge gained would facilitate future development of vaccines and immunotherapies to protect mucosal surfaces from infection and related immunopathologies. The cooperative study group will be composed of a set of cooperative agreement grants governed by a Steering Committee, and will draw upon an Infrastructure and Opportunities Fund to support a range of innovative, collaborative, and pilot/feasibility projects. NIAID encourages submissions from established and new investigators; applicants without a prior track record of funding in mucosal immunity are welcome to apply.
Amount: $1,250,000
LOI: September 22, 2010
Deadline: October 22, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-10-008.html
Key Words**:**

Etiology, Prevention, and Treatment of Hepatocellular Carcinoma [(R01) PA-08-243] and [(R21) PA-08-244] and [(P01) PAR-08-245]
PA-08-243 and PA-08-244 or PAR-08-245
National Cancer Institute
National Institute on Alcohol Abuse and Alcoholism
National Institute of Diabetes and Digestive and Kidney Diseases
With this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI), the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) encourage grant applications that: (a) address the etiology and etiologic mechanisms of hepatocellular carcinoma (HCC); (b) propose development of animal models for HCC; (c) propose novel approaches to prevent HCC malignancy; (d) propose therapeutic or diagnostic tools for reliable prognostic indicators for HCC; and/or (e) develop therapeutic approaches to minimize morbidity and mortality associated with HCC in humans. The primary focus of the proposed project must be on the basic biology, prevention, and/or treatment of liver cancer. Applications solely concerned with population studies and epidemiology will not be supported in connection with this FOA. This FOA will utilize the R01 grant mechanism and runs in parallel with two FOAs of similar scientific scope: (1) PA-08-244, for pilot exploratory/developmental projects using the R21 mechanism; and (2) PAR-08-245, for program project grants under the P01 mechanism.
Amount: varies

LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-243.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-244.html and http://grants.nih.gov/grants/guide/pa-files/PAR-08-245.html
Key Words: **Hepatocellular Carcinoma, Alcohol Liver Disease, Cancer**

Etiology, Prevention, and Treatment of Hepatocellular Carcinoma (P01)
PAR-09-147
National Cancer Institute (NCI)
With this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI) invites grant applications that: (a) address the etiology and etiologic mechanisms of hepatocellular carcinoma (HCC); (b) propose development of animal models for HCC; (c) propose novel approaches to prevent HCC malignancy; (d) propose therapeutic or diagnostic tools for reliable prognostic indicators for HCC; and/or (e) develop therapeutic approaches to minimize morbidity and mortality associated with HCC in humans. The primary focus of the proposed projects must be on the basic biology, prevention, and/or treatment of liver cancer.
Amount: varies
LOI: April 28, 2010; August 28, 2010; December 28, 2010; and April 27, 2011
Deadline: May 28, 2010; September 28, 2010; January 28, 2011; and May 27, 2011
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-147.html
Key Words: **Hepatocarcinoma**

Funding
Broad Foundation, Eli and Edythe L.
Broad Medical Research Program (BMRP)
Research grants are available for innovative proposals that will lead to improvements in the prevention, diagnosis, or therapy of Crohn's disease or ulcerative colitis, two types of inflammatory bowel disease (IBD). The program is interested in funding clinical or basic IBD research projects that are innovative; are in the early stages of exploration; will improve diagnosis, therapy, or prevention of IBD in the near future; and will lead to longer-term funding by more traditional granting agencies.
Amount: unspecified
LOI: The first step in applying is to submit a Letter of Interest (LOI)
Deadline: Continuous
To learn more: http://www.broadmedical.org/funding.htm
Key Words: **Digestive Diseases and Disorders, Gastroenterology, Inflammatory Bowel Disease**

Education and Curriculum Development

NCRR Science Education Partnership Award (SEPA) (R25)
New
PAR-10-206
National Center for Research Resources (NCRR)
NCRR encourages applications to its SEPA program for the development and evaluation of innovative research education programs to improve PreK-12 research career opportunities and the community's understanding of the health science advances supported by the National Institutes of Health (NIH)-funded clinical and basic research. SEPA encourages dynamic partnerships between biomedical and clinical researchers and PreK-12 teachers and schools and other interested organizations. Particular importance will be given to applications that target PreK-12 and/or ISE/media topics that may not be addressed by existing curriculum, community-based or ISE/media activities.
Amount: $1,250,000
LOI: June 28, 2010 May 22, 2011, May 22, 2012
Deadline: July 28, 2010, , June 22, 2011, June 22, 2012
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-206.html
Key Words:

Cancer Education Grants Program (R25)
PAR-08-120
NIH
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages applications for the development of: (i) innovative cancer education programs; and (ii) cancer research dissemination projects that can be completed within 5 years. Specifically, the types of Cancer Education Grant Programs (CEGPs) that may be supported include: (1) innovative

educational programs intended to motivate biomedical and other health science students to pursue cancer related careers; (2) short courses to update cancer research scientists in new scientific methods, technologies and findings; (3) training of cancer care clinicians and community health care providers in evidence-based cancer prevention and control approaches; and (4) development of effective innovative education (dissemination) approaches to translate knowledge gained from science (discovery) into public health, and community applications (delivery). -Mechanism of Support. This FOA will use the NIH Research Education (R25) grant mechanism. Research education programs may not be transferred from one institution to another, unless strongly justified (see Section VI.2). -Funds Available and Anticipated Number of Awards. Awards issued under this FOA are contingent upon the availability of funds and the submission of a sufficient number of meritorious applications
Amount: $330,000 annually
LOI: N/R
Deadline: September 7, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-120.html
Key Words**:**

Research Experiences for Undergraduates (REU)
NSF-09-598
National Science Foundation (NSF)
The Research Experiences for Undergraduates (REU) program supports active research participation by undergraduate students in any of the areas of research funded by the National Science Foundation. REU projects involve students in meaningful ways in ongoing research programs or in research projects specifically designed for the REU program. This solicitation features two mechanisms for support of student research: (1) REU Sites are based on independent proposals to initiate and conduct projects that engage a number of students in research. REU Sites may be based in a single discipline or academic department, or on interdisciplinary or multi-department research opportunities with a coherent intellectual theme. Proposals with an international dimension are welcome. A partnership with the Department of Defense supports REU Sites in DoD-relevant research areas. (2) REU Supplements may be requested for ongoing NSF-funded research projects or may be included as a component of proposals for new or renewal NSF grants or cooperative agreements.
Undergraduate student participants in either Sites or Supplements must be citizens or permanent residents of the United States or its possessions.
Amount: unspecified
LOI: N/R
Deadline: August 25, 2010 and fourth Wednesday in August Annually Thereafter
To learn more**:** http://www.nsf.gov/pubs/2009/nsf09598/nsf09598.htm?govDel=USNSF_25
Key Words**: Undergraduate Fellowships**

Research Coordination Networks in Biological Sciences
NSF 09-554
National Science Foundation (NSF)
Support will be provided for groups of investigators to communicate and coordinate their efforts across disciplinary, organizational, institutional and geographical boundaries. The objectives are to facilitate open communication and exchange of information and resources, to integrate research and/or education activities of scientists working independently on topics of common interest, to nurture a sense of community among young scientists, and to minimize isolation and maximize cooperation so as to eliminate unnecessary duplication of efforts. Specific features of the program include:
Topic/focus of research coordination
Principal investigator (PI)
Group members
International participation
Coordination/management mechanism
Information and material sharing
Amount: $250,000-$500,000
LOI: N/R
Deadline: July 5, 2010
To learn more**:** http://www.nsf.gov/pubs/2009/nsf09554/nsf09554.htm?govDel=USNSF_25
Key Words**: International Collaboration**

Limited Competition: Strengthening Behavioral and Social Science in Medical School Education (R25)
RFA-OD-10-014
National Institutes of Health (NIH)
multiple institutes
The OBSSR, NCCAM, NCI, NHLBI, NIAMS, and NICHD invite applications for Research Education Grant (R25) to continue and expand support of schools of medicine or osteopathy interested in enhancing medical education through behavioral and social sciences

content and curricula. This FOA has three main objectives: (1) Continue the evaluation, development, refinement, and implementation of enhanced courses, instructional techniques and materials, curricula and education designed during the prior K07 awards; (2) Continue the dissemination of curricula and other products to additional medical schools and to other health care professional schools; and (3) Continue to foster health-related research and careers in behavioral and social science within the setting of schools of medicine and osteopathy.
Amount: $1,175,000
LOI: May 21, 2010
Deadline: June 21, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-OD-10-014.html
Key Words**:**

NIH Support for Conferences and Scientific Meetings (Parent R13/U13)
PA-10-071
National Institutes of Health (NIH)
multiple institutes
The purpose of the NIH Research Conference Grant Program (R13 and U13) is to support high quality conferences/scientific meetings that are relevant to the scientific mission of the NIH and to the public health. A conference/scientific meeting is defined as a gathering, symposium, seminar, scientific meeting, workshop or any other organized, formal meeting where persons assemble to coordinate, exchange, and disseminate information or to explore or clarify a defined subject, problem, or area of knowledge. Each NIH Institute and Center (IC) has a scientific purview and different program goals and initiatives that evolve over time.
Amount: varies
LOI: Advance permission to submit an application must be requested early in the process and no later than 6 weeks before the application submission date. The letter from the NIH documenting advance permission must be included in the Cover Letter component of
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-071.html
Key Words**: Conference, Meeting**

Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellows inPharmD/PhD Programs (F31)
PA-09-029
National Institutes of Health (NIH)
The National Institute of General Medical Sciences (NIGMS) will provide individual predoctoral research training fellowship awards to promising pharmacy students who are enrolled in a PharmD/PhD degree program whose dissertation projects are in areas relevant to the research mission of NIGMS. Applicants must have a baccalaureate degree and must be enrolled in a formally combined PharmD./PhD program in the biomedical, behavioral, or clinical sciences. Applicants must be at the dissertation research stage of their doctoral training. Applicants must also show evidence of both high academic performance in the sciences and substantial interest in areas of high priority to NIGMS.
Amount: annual stipend ($20,772)
LOI: N/R
Deadline: Standard dates for Individual Kirschstein-NRSA awards apply.
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-029.html
Key Words**: Fellowship, Pre-Doctoral, Thesis, PharmD/PhD**

Alcohol Research Education Project Grants (R25)
PAR-08-082
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
The National Institute on Alcohol Abuse and Alcoholism (NIAAA) supports research programs to advance understanding of the biological and behavioral processes involved in the development, expression, and consequences of alcoholism and other alcohol-related problems. The Institute also supports prevention, treatment, and health services research on alcohol abuse and alcoholism. A part of the NIAAA mission is the dissemination of new knowledge acquired from alcohol research to diverse audiences, including scientists, educators, clinicians, and other health and social service providers, patients and their families, professionals within the criminal justice system, and the general public. This FOA identifies the research activity on alcohol education of Health Professions that NIAAA will consider for award through Research Education grants (R25).
Amount: $500,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants1.nih.gov/grants/guide/pa-files/PAR-08-082.html
Key Words**: Alcohol, Alcohol Related Problems, Education**

NINDS Diversity Research Education Grants in Neuroscience (R25)
PAR-07-456
National Institute of Neurological Disorders and Stroke (NINDS)
The NINDS Research Education Grant is a flexible and specialized mechanism designed to foster the development of neuroscience researchers through creative and innovative educational programs. Programs are sought that focus on preparing researchers in cross-disciplinary integration of neuroscience, including basic, translational, behavioral, prevention, clinical, and treatment research. Of particular interest are educational experiences that will attract, train, and further the career development of underrepresented biomedical scientists to improve the diversity of the research workforce relevant to the mission of NINDS. The NIH expects efforts to diversify the workforce to lead to the recruitment of the most talented researchers from all groups.
Amount: $1,250,000
LOI: Nonrequired letters of intent may be sent 30 days prior to the application submission date.
Deadline: Standard dates apply
To learn more**:** http://grants1.nih.gov/grants/guide/pa-files/PAR-07-456.html
Key Words**: Minorities and Disadvantaged, Neurological Disorders, Neuroscience, Stroke**

Mental Health Dissertation Research Grant to Increase Diversity (R36)
PAR-09-132
National Institute of Mental Health (NIMH)
The purpose of this funding opportunity is to increase the diversity of the mental health research workforce. It will enable qualified doctoral candidates to pursue research careers in any area relevant to the research mission of the National Institute of Mental Health (NIMH). These awards are available to US citizens or permanent residents who are predoctoral students advanced to candidacy in accredited research doctoral programs in the United States (including Puerto Rico and other U.S. territories or possessions).
Amount: see program announcement
LOI: 30 days prior to Application Due Date
Deadline: August 24, 2010; December 22, 2010; April 22, 2011; August 24, 2011; December 22, 2011 (including resubmissions)
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-132.html
Key Words**: Doctoral Training Support, Mental Health Professions**

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Training for a Dental and Craniofacial Research Workforce (T32)
PAR-10-171
National Institute of Dental and Craniofacial Research (NIDCR)
The National Institute of Dental and Craniofacial Research (NIDCR) will award T32 Institutional Training grants to eligible institutions that are committed to supporting predoctoral and postdoctoral research training as a means to help ensure that a diverse and highly trained workforce is available to address the Nations health related needs in dental, oral, and craniofacial research. This NIDCR program is designed in recognition of the need to develop a cadre of highly qualified independent scientists who can successfully address basic, behavioral, and clinical research questions to improve oral, dental and craniofacial health. Trainees are required to pursue full-time research training. Priority will be given to programs that present plans and evidence that they will train dentist scientists either as predoctoral dual degree dentist scientists, dentists receiving PhD training or dentists training in a postdoctoral research experience.
Amount: $4,000,000
LOI: August 25, 2010, 2011, 2012
Deadline: September 25, 2010, 2011, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-171.html
Key Words**: Oral, Dental and Craniofacial Health**

Institutional Training for a Dental and Craniofacial Research Workforce (T90/R90)
PAR-10-170
National Institute of Dental and Craniofacial Research (NIDCR)
The National Institute of Dental and Craniofacial Research (NIDCR) will award T90/R90 grants to eligible institutions that are committed to supporting predoctoral and postdoctoral research training as a means to help ensure that a diverse and highly trained workforce is available to address the Nations health related needs in dental, oral, and craniofacial research. This NIDCR program is designed in recognition of the need to develop a cadre of highly qualified independent scientists who can successfully address basic, behavioral, and clinical research questions to improve oral, dental and craniofacial health. Trainees are required to pursue full-time research training. Priority will be given to programs that present plans and evidence that they will train dentist scientists either as predoctoral dual degree dentist scientists, dentists receiving PhD training or dentists training in a postdoctoral research experience.
Amount: $4,000,000
LOI: August 25, 2010, 2011, 2012
Deadline: September 25, 2010, 2011, 2012

To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-170.html
Key Words: **Oral, Dental and Craniofacial Health**

Team-Based Design in Biomedical Engineering Education (R25)
PAR-10-140
National Institute of Biomedical Imaging and Bioengineering (NIBIB)
Eunice K. Shriver National Institute of Child Health and Human Development (NICHD)
This FOA, issued by the National Institute of Biomedical Imaging and Bioengineering (NIBIB) and the Eunice K. Shriver National Institute of Child Health and Human Development (NICHD), encourages applications from institutions that propose to establish new or to enhance existing team-based design courses in undergraduate Biomedical Engineering departments or programs. This FOA targets undergraduate students at the senior level but may also include junior undergraduates and first-year graduate students. Courses that address innovative and/or ground-breaking development, multidisciplinary/interdisciplinary training, and diversity recruitment are especially encouraged.
Amount: $200,000
LOI: April 18, 2011; April 18, 2012
Deadline: May 18, 2011; May 18, 2012
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-140.html
Key Words: **Biomed Engineering**

NIAID Science Education Awards (R25)
PAR-08-003
National Institute of Allergy and Infectious Diseases (NIAID)
This Funding Opportunity Announcement (FOA) solicits applications from organizations that propose creative and innovative research education programs that will increase the public's understanding of biomedical research, or encourage K-12 students to enter areas in biomedical science in the mission areas of the NIAID. The NIH Research Education (R25) grant mechanism is a flexible and specialized mechanism designed to foster the development of biomedical, behavioral, and clinical researchers through creative and innovative research education programs.
The overall goals of the NIAID's research education programs are to ensure that highly trained scientists will be available in adequate numbers and in appropriate scientific areas to address the nation's biomedical, behavioral, and clinical research needs in the NIAID mission areas and to provide public education and outreach on NIH-funded research to a variety of audiences.
NIAID accepts R25 applications that provide training and curriculum development for K-12 teachers and students using innovative approaches and broad outreach at a national level. The applicant organization should determine the nature of the program, state the specific goals for the program, and define specific measurable objectives. The NIH encourages all proposed programs to foster the participation of individuals from racial and ethnic groups underrepresented in biomedical and behavioral research, individuals from disadvantaged backgrounds, individuals with disabilities, and women.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants1.nih.gov/grants/guide/pa-files/PAR-08-003.html
Key Words: **Behavioral Medicine, Biomedical Research (Multidisciplinary)**

Initiative to Maximize Research Education in Genomics (R25)
PAR-09-245
National Human Genome Research Institute (NHGRI)
This funding opportunity supports two types of activities: (1) short, advanced level courses that are intended to disseminate new laboratory techniques, methods, analyses related to the mission of the NHGRI and (2) research education and training initiatives that are linked to specific NHGRI research initiatives, such as Centers of Excellence in Genomic Science (CEGS) and large-scale sequencing and database grants.
Amount: $1,500,000
LOI: Thirty (30) days before application due date
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-245.html
Key Words: **Laboratory Techniques, Class Development, Genomic Science**

IDeA Networks of Biomedical Research Excellence (INBRE) [P20]
PAR-08-150
National Center for Research Resources (NCRR)
The National Center for Research Resources (NCRR) of the National Institutes of Health (NIH) invites applications for competing continuation of Institutional Development Award (IDeA) Networks of Biomedical Research Excellence (INBRE) grants to independent

biomedical research institutes and/or biomedical research institutions that award doctoral degrees in the health sciences or sciences related to health within IDeA-eligible states. INBRE applications must represent a collaborative effort to sponsor research with undergraduate institutions, community colleges, and tribal colleges and universities (TCUs). The size, structure, and operational principles of the INBRE networks have been established during previous INBRE and the planning phase of INBRE project periods. The competitive renewal application should describe progress and accomplishments made to achieve the goals of the statewide research network. -This Funding Opportunity Announcement (FOA) is to provide an opportunity to build on the successes of the current INBRE to augment and strengthen the state's biomedical research capacity. The objectives of INBRE program are to: 1) continue to build on the established multi-disciplinary research network with a scientific focus to strengthen the lead and partner institutions' biomedical research expertise and infrastructure; 2) build and increase the research base and capacity by providing support to faculty, postdoctoral fellows and graduate students at the participating institutions; 3) provide research opportunities for students from undergraduate institutions, community colleges and TCUs and serve as a "pipeline" for these students to continue in health research careers within IDeA states; 4) enhance science and technology knowledge of the state's workforce.
Amount: $7,500,000
LOI: June 22, 2010
Deadline: July 22, 2010
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-150.html
Key Words**: INBRE, IDeA, Biomedical Research Programs**

National Cancer Institute (NCI) Cancer Education and Career Development Program (R25)
PAR-10-165
National Cancer Institute (NCI)
The purpose of the CECDP is to support the development and implementation of institutional curriculum-dependent predoctoral/postdoctoral programs in the areas of cancer prevention and control, behavioral and population sciences research, nutrition, epidemiology, and/ or biostatistics.
Amount: $500,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-165.html
Key Words**: Educational Program Development, Cancer**

Meetings, Conferences, and Networks for Research Partnerships to Improve Functional Outcomes (R13)
PAR-08-207
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Institute of Neurological Diseases and Stroke (NINDS)
National Heart Lung and Blood Institute (NHLBI)
National Institute of Mental Health (NIMH)
National Inst
This funding opportunity announcement (FOA) solicits Conference Grant (R13/U13) applications from applicant organizations for meetings and networks that will facilitate interdisciplinary research partnership among investigators. The goal is to create opportunities for forming strong and effective multi-disciplinary scientific teams to address basic, translational, or clinical research problems in rehabilitation or management of chronic disease, including mental disorders.
Amount: $50,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-207.html
Key Words**: Chronic Disease, Rehabilitation, Conferences**

Health Care Grant
DFAV
Programs leading to organizational and transformational change in medical education, addressing the hidden curriculum, and designed to integrate caring attitudes throughout the curriculum will be considered. Faculty development initiatives are encouraged, including role modeling and mentoring.
Amount: $100,000-$200,000
LOI: N/R
Deadline: Continuous
To learn more**:** http://www.avdfdn.org/programs-healthcare.htm
Key Words**:**

NIOSH Support for Conferences and Scientific Meetings (R13)

PAR-08-072
Centers for Disease Control and Prevention
CDC's Procurement and Grants Office has published a funding opportunity announcement entitled, "NIOSH Support for Conferences and Scientific Meetings(R13)." The purpose of the program is to support high quality conferences/scientific meetings that are relevant to its scientific mission and to the public health.
The goal of the NIOSH research program is to develop an understanding of the risks and conditions that are associated with occupational diseases and injuries, to explore methods for reducing risks and for preventing or minimizing exposure to hazardous conditions in the workplace, and to translate significant scientific findings into prevention practices and products that will effectively reduce work-related illnesses and injuries. Specific research priorities are derived from the National Occupational Research Agenda (NORA) which is used by NIOSH for determining how best to carry out its mission of providing national and world leadership in preventing work-related illnesses and injuries.
Amount: $20,000
LOI: Sixty calendar days in advance of standard Application
Deadline: Standard dates apply (April 12, August 12, December 12)
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-072.html
Key Words**: Occupational Health**

Improving Patient Safety through Simulation Research (R18)
RFA-HS-10-018
Agency for Healthcare Research and Quality (AHRQ)
Center for Outcomes and Evidence (COE)
The Agency for Healthcare Research and Quality (AHRQ) is interested in funding a diverse set of projects that develop, test and evaluate various simulation approaches for the purpose of improving the safe delivery of health care. Simulation in health care predominately is a training technique that exposes individuals and teams to realistic clinical challenges through the use of mannequins, task trainers, virtual reality, or standardized patients, and allows participants to experience in real-time the consequences of their decisions and actions. The principal advantage of simulation is that it provides a safe environment for health care practitioners to acquire valuable experience without putting patients at risk. Simulation also can be used as a test-bed to improve clinical processes and to identify failure modes or other areas of concern in new procedures and technologies that might otherwise be unanticipated and serve as threats to patient safety. Applications that address a variety of clinical settings are sought.
Amount: $1,050,000
LOI: N/R
Deadline: June 21, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-HS-10-018.html
Key Words**: Health Care Training, Simulators**

Emergency Medicine

Cognitive Rehabilitation for Traumatic Brain Injury Clinical Trial Award (Optional Partnering PI)
New
W81XWH-10-PH/TBI RP-CR-CTA
Department of Defense (DOD)
U.S. Army Medical Research and Materiel Command (USAMRMC)
Office of the Congressionally Directed Medical Research Programs (CDMRP)
The Fiscal Year 2010 (FY10) Defense Appropriations Act provides $10M to the Department of Defense (DOD) Psychological Health and Traumatic Brain Injury Research Program (PH/TBI) Research Program to promote research that will advance the prevention, detection, diagnosis, and treatment of military-relevant PH issues and TBI. Funding will be focused on innovative projects that have the potential to make a significant near-term impact on improving the function, wellness, and overall quality of life for warriors, veterans, families, caregivers, and communities. This program is administered by the U.S. Army Medical Research and Materiel Command (USAMRMC) through the Office of the Congressionally Directed Medical Research Programs (CDMRP).
Amount: $2,000,000
LOI: June 30, 2010
Deadline: September 7, 2010
To learn more**:** http://cdmrp.army.mil/funding/phtbi.shtml
Key Words**: Cumulative Concussions, Mild, Moderate or Severe TBI, Chronic Symptoms after TBI, Information Technology Devices, Robotics, Nutritional Supplements, Out/Inpatient Rehabilitation**

Department of Defense Spinal Cord Injury Research Program
Clinical Trial Award - Rehabilitation

Translational Research Partnership Award
Investigator-Initiated Research Award
Investigator-Initiated Focused Research Award
New
Department of Defense (DOD)
The Fiscal Year 2010 (FY10) Defense Appropriations Act provides $11.25 million to the Department of Defense (DOD) Spinal Cord Injury Research Program (SCIRP) to promote innovative research into regenerating damaged spinal cords, arthritis research, and improving rehabilitation therapies that offer real promise for enhancing long-term care of wounded soldiers. The SCIRP challenges the scientific community to design innovative research that will foster new directions for and address neglected issues in the field of SCI-focused research.
The vision of the SCIRP is to advance the understanding of spinal cord injury and ameliorate its consequences. This program is administered by the US Army Medical Research and Materiel Command through the Office of the Congressionally Directed Medical Research Programs (CDMRP).
Amount:
LOI:
Deadline: released June 4, 2010
To learn more**:** http://cdmrp.army.mil/pubs/press/2010/10scirppreann.shtml
Key Words**:**

Collaborative Research on the Transition From Acute to Chronic Pain: New Models and Measures in Clinical and Preclinical Pain Research (R01)
RFA-DE-11-001
National Institute of Dental and Craniofacial Research (NIDCR)
The overall goal of this FOA is to stimulate preclinical and clinical research that will accelerate our understanding of the biological and behavioral determinants driving the transition from acute pain to chronic pain disorders. An understanding of the mechanisms and risk factors that determine who will transition to a chronic pain state is necessary in order to intervene in this transition and to design new, effective treatments to resolve acute pain before it becomes chronic. The objectives of this FOA are to: 1) assemble research teams with expertise in basic and clinical pain research and related expertise outside the pain field that will provide novel, collaborative, multidisciplinary approaches to answer crucial questions about the transition from acute to chronic pain; 2) discover biological and behavioral mechanisms that drive the transition from an acute pain state to a chronic dysfunctional pain condition; 3) develop new clinical and preclinical models and measures of pain that will be essential to identify and characterize these mechanisms. Studies that involve considerable risk but with the potential for breakthroughs in the field are strongly encouraged.
Amount: varies
LOI: May 21, 2010
Deadline: June 22, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-11-001.html
Key Words**: Pain, Management and Evaluation**

Research on Emergency Medical Services for Children (R01)
PAR-08-261
Eunice Kennedy Shriver National Institute of Child Health and Human Development
Agency for Healthcare Research and Quality
National Institute of Mental Health
National Institute of Nursing Research
This multi-agency program Funding Opportunity Announcement (FOA) is designed to improve the quality and quantity of research related to emergency medical services for children (EMSC), with the goal of reducing morbidity and mortality in children through improved care delivery. This FOA invites the submission of applications dealing with the following areas of research included under the term EMSC: prevention research to reduce the need for emergency care; clinical research to ensure that children receive high-quality and appropriate medical, nursing and mental health care in an emergency; health systems research, from pre-hospital care, to the emergency department, to in-patient care and return to the community; models to improve service and cost efficiency in pediatric emergency care; and methodological studies to improve the quality of research conducted.
Amount: $2,500,000
LOI: August 15, 2010
Deadline: September 15, 2010

To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-261.html
Key Words**: Emergency Medical Services for Children**

USA Medical Research and Materiel Command Broad Agency Announcement

W81XWH-BAA10-1
Department of Defense (DOD)
This Announcement provides a general description of the Command's research programs, including specific areas of interest; general information; the evaluation and selection criteria; and proposal preparation instructions.
1) The Military Infectious Diseases Research Program (MIDRP) focuses on vaccines, antiparasitic drugs, deployable field clinical diagnostics, and vector control pertinent to naturally-occurring endemic diseases with demonstrated or potential capability to decrease military operational effectiveness.
2) The Combat Casualty Care Research Program (CCCRP) provides integrated capabilities for far-forward medical care to reduce the mortality and morbidity associated with major battlefield wounds and injuries.
3) The Military Operational Medicine Research Program (MOMRP) provides biomedical solutions that protect Soldiers and enhance their performance in operational and training environments that include multiple stressors. [a. Injury Prevention and Reduction; b. Psychological Health and Resilience; c. Environmental Health and Protection; d Physiological Health]
4) The Medical Biological Defense Research Program provides medical countermeasures for biological warfare agents. These countermeasures include specialized medical materiel or procedures designed to enhance protection.
5) The Medical Chemical Defense Research Program seeks to preserve combat effectiveness by timely provision of medical countermeasures in response to Joint Service chemical warfare defense requirements.
6) The Clinical and Rehabilitative Medicine Research Program (CRMRP) focuses on the innovations required to reset our wounded warriors, both in terms of duty performance and quality of life. The CRMRP focuses its efforts on the following five research areas: neuromusculoskeletal injury (including amputees), ocular and visual system injury, hearing and vestibular systems injury, chronic pain, and regenerative medicine.
Amount: $1,000,000
LOI:
Deadline: September 30, 2010
To learn more**:**
http://www.grants.gov/search/announce.do;jsessionid=2vmFKPnL20sh2KRqMCTmSnJZ6FC5xZx1mdGGngwpJvfRCHlcTvYN!-1163459943
Key Words**: Battlefield Wounds, Emergency Treatment, Antiparisitics, Infectious Disease**

Equipment

Shimadzu Equipment Grant
Shimadzu
Shimadzu announces the availability of grant funds to purchase their line of analytical instruments. Special consideration is being given for High-Speed Liquid Chromatograph Mass Spectrometers (LCMS-IT-TOF) Internal coordination is required, contact Dr. Paula Turpen 559-6162 or pbturpen@unmc.edu if interested.
Amount: 100% instrument value
LOI: N/R
Deadline: continuous
To learn more**:** Shimadzu Sales Rep: Douglas Catron dcatron@shimadzy.com
Key Words**: Equipment, LCMS-IT-TOF, Mass Spectrometer**

Centers of Biomedical Research Excellence (COBRE) Phase III: Transitional Centers [P30]
PAR-10-196
National Center for Research Resources (NCRR)
The National Center for Research Resources (NCRR) of the NIH invites applications for COBRE infrastructure support grants. The objectives of this FOA are to continue support of infrastructure at Centers of Biomedical Research Excellence (COBRE) that have received 10 years of funding from NCRR. This FOA is supported through the Institutional Development Award (IDeA) Program at the National Center for Research Resources (NCRR) of NIH.
Amount: $3,750,000
LOI: N/R
Deadline: July 20, 2010, July 20, 2011. and July 20, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-196.html
Key Words**: IDeA, Core Resources, Equipment Upgrades and Replacement,**

Eyes, Ears, Nose, Throat

NEI Clinical Vision Research (U10)

New
PAR-10-207
National Eye Institute (NEI)
The National Eye Institute (NEI) supports investigator-initiated clinical vision research projects, including clinical trials and large-scale epidemiologic studies in vision research. The intent of this funding opportunity announcement is to provide a framework for applicants proposing clinical vision research projects, including clinical trials and epidemiological studies.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-207.html
Key Words**:**

Department of Defense Autism Research Program
U.S. Army Medical Research

The FY09 ARP encourages proposals that specifically address critical needs of the Autism Spectrum Disorders (ASD) community in the following areas (Revised for FY09):
· Co-morbidity: (e.g., manifestations such as disorders [gastrointestinal, sleep, behavioral, speech/language], psychiatric, seizures, immune dysfunction, motor and sensory deficits, metabolic dysfunction, and effects of ASD on intellectual ability)
· Predictors for Treatment Outcomes: Identification of biomarkers, clinical characteristics, or other phenotypic markers that predict outcomes of a treatment, or populations that will or will not respond to a treatment (traditional or complementary and alternative)
FY09 ARP program announcements and application instructions for the following award mechanisms are anticipated to be posted and available on Grants.gov in February 2009.
Amount: $750,000
LOI: pre-application required
Deadline: posting early February
To learn more**:** http://cdmrp.army.mil
Key Words**: Autism, Autism Spectrum Disorders, ASD**

Bioengineering Research Grants (BRG)[R01]
PA-06-419
National Institutes of Health (NIH), multiple institutes
The BRGs support multi-disciplinary research performed in a single laboratory or by a small number of investigators that applies an integrative, systems approach to develop knowledge and/or methods to prevent, detect, diagnose, or treat disease or to understand health and behavior. A BRG application may propose hypothesis-driven, discovery-driven, developmental, or design-directed research.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-06-419.html
Key Words**: Imaging, Bioengineering, Arthritis, Musculoskeletal and Skin Diseases, Dental and Craniofacial, Neurological Disorders, Stroke, CAM**

Young Children With Mild to Severe Hearing Loss (R01)
PA-07-399
National Institutes of Health (NIH)
National Institute on Deafness and Other Communication Disorders (NIDCD)
This FOA encourages research applications from institutions and organizations addressing research needs on the young child (infants and children) with mild to severe hearing loss. Development, refinement, or modification of measurement tools for young children with hearing loss is also encouraged.
Amount: unspecified
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants1.nih.gov/grants/guide/pa-files/PA-07-399.html
Key Words**: Deafness, Hearing**

Research Project Grant (Parent R01)
PA-10-067

National Institutes of Health (NIH)
multiple institutes
The Research Project Grant (R01) is an award made to an institution/organization to support a discrete, specified, circumscribed project to be performed by the named investigator(s) in areas representing the specific interests and competencies of the investigator(s). The R01 research plan proposed by the applicant institution/organization must be related to the stated program interests of one or more of the NIH Institutes and Centers (ICs) based on descriptions of their programs.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-067.html
Key Words**: Eye, Cancer, Imaging. Alcohol Abuse. Aging, Arthritis, CAM, Deafness, Dental, Diabetes, Environmental Health Sciences**

NIH Exploratory Developmental Research Grant Program (Parent R21)

PA-10-069
National Institutes of Health (NIH)
multiple institutes
The National Institutes of Health (NIH) Exploratory/Developmental Grant (R21) funding opportunity supports the development of new research activities in categorical program areas. (Support generally is restricted in level of support and in time.) Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigators area of interest and competency. All investigator-initiated exploratory/developmental applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests. Investigators are strongly encouraged to consult the list of participating ICs and special research interests. The Exploratory/Developmental Grant (R21) mechanism is intended to encourage exploratory and developmental research projects by providing support for the early and conceptual stages of these projects. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on a field of biomedical, behavioral, or clinical research.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-069.html
Key Words**: Investigator Initiated**

Improving Intervention Possibilities for Communication Disorders (R21/R33)

PAR-09-056
PAR-09-057
National Institute on Deafness and Other Communication Disorders (NIDCD)
This Funding Opportunity Announcement (FOA), issued by the National Institute on Deafness and Other Communication Disorders (NIDCD), is a companion FOA to PAR-09-057, Improving Interventions for Communication Disorders, which supports the development of new efficacious interventions for communication disorders. The goal of the present FOA is to identify and develop new methodologies and insights into the basic biology of the communication sciences that will have the future potential for clinical and translational application but which are still at the preliminary exploratory stage. The research design will be milestone-driven and basic science in nature but the research plan must be focused on some clinical or translational problem related to communication disorders. Projects will necessarily have an uncertain outcome but must have a realistic expectation to yield enhanced diagnostic, intervention and treatment tools, or paradigms with widespread, cost-effective application in the NIDCD mission areas of hearing, balance, smell, taste, voice, speech and language. Basic science studies intended to explore some aspect of the biology of the communication sciences with no focus on future interventions and translational research are not appropriate. This FOA uses the R21/R33 grant mechanism and requires a separate statement that describes anticipated milestones and justifies the future translational potential of the proposed studies. Clinical and patient-oriented research is not appropriate.
Amount: $1,750,000
LOI: May 28, 2010
Deadline: June 28, 2010
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-056.htm and http://grants.nih.gov/grants/guide/pa-files/PAR-09-057.html
Key Words**: Communication, Deafness**

Structural Analyses of the Ligand-Binding Properties of Taste and Smell Receptors (R01)

PA-09-058
National Institute on Deafness and Other Communication Disorders (NIDCD)

This Funding Opportunity Announcement (FOA) issued by the National Institute on Deafness and Other Communication Disorders (NIDCD), encourages grant applications from institutions/organizations designed to foster innovative collaborative research to characterize the structural properties of taste and smell receptors. Additional emphasis is placed on the characterization of the interactions among odors, pheromones, and taste substances with their cognate receptors, and the identity of the critical ligand-receptor binding sites that determine sensitivity and selectivity. One aim of this FOA is to encourage collaborations among chemosensory molecular biologists and biochemists with expertise in the isolation and characterization of membrane proteins, and biophysicists familiar with crystallography, NMR and other analytical tools used in structural analyzes.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-058.html
Key Words**: Cognate Receptors, Ligand-Receptor Binding, Pheromones, Taste, Odor**

Proteomics in Auditory Developmental and Disease Processes (R01) and (R21)
PA-09-228 and PA-06-366
National Institute on Deafness and Other Communication Disorders (NIDCD)
This Funding Opportunity Announcement (FOA) issued by the National Institute on Deafness and Other Communication Disorders (NIDCD), National Institutes of Health (NIH) encourages R01 applications that focus on "Proteomics in Auditory Developmental and Disease Processes".
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-228.html and http://grants.nih.gov/grants/guide/pa-files/PA-06-366.html
Key Words**: Auditory, Development**

Research Opportunities on Spasmodic Dysphonia (R01) and (R21)
PA-10-157 and PA-10-156
National Institute on Deafness and Other Communication Disorders (NIDCD)
This funding opportunity announcement (FOA) issued by the National Institute on Deafness and Other Communication Disorders (NIDCD) invites innovative collaborative research project grant applications (R01) designed to improve our understanding of the pathogenesis and pathophysiology of spasmodic dysphonia (SD) for its prevention and improved treatment. This FOA invites basic, translational and clinical studies to accelerate research into promising therapeutic approaches for spasmodic dysphonia and to stimulate progress in spasmodic dysphonia research through encouraging and facilitating transdisciplinary interactions.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-157.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-156.html
Key Words**: Dysphonia**

NIDCD Small Grant Program (R03)
PAR-10-055
National Institute on Deafness and Other Communication Disorders (NIDCD)
The NIDCD Small Grant Program (R03) is intended to support basic and clinical research of scientists who are beginning to establish an independent research career. It cannot be used for thesis or dissertation research. The research must be focused on one or more of the areas within the biomedical and behavioral scientific mission of the NIDCD: hearing, balance/vestibular, smell, taste, voice, speech, or language.
Amount: $300,000
LOI: N/R
Deadline: June 29, 2010, and October 29, 2010, February 24, 2011, June 29, 2011, and October 31, 2011, February 24, 2012, June 29, 2012, October 31, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-055.html
Key Words**: Balance, Vestibular, Voice, Speech, Language**

NIDCD Research Career Enhancement Award for Established Investigators (K18)
PAR-10-162
National Institute on Deafness and Other Communication Disorders (NIDCD)

The purpose of the NIDCD Research Career Enhancement Award for Established Investigators (K18) program is to enable established, proven investigators to augment or redirect their research programs through the acquisition of new research skills to answer questions relevant to the hearing, balance, smell, taste, voice, speech and language sciences.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-162.html
Key Words**: Balance, Speech and Language Science**

Proteomics in Auditory Developmental and Disease Processes (R21)

PA-10-078
National Institute on Deafness and Other Communication Disorders (NIDCD)
The following examples are not meant to be comprehensive or restrictive, but rather represent projects relevant to the auditory system. Examples of projects responsive to this FOA include but are not limited to:
Proteomic analysis of specific cell types of the inner ear, other auditory pathways, and/or their subcellular structures.
Proteomic analysis of specific otocyst cell/tissue types through a variety of developing stages.
Comparative analysis between proteome and transcriptome of a defined auditory cell and/or tissue type; comparative determination between proteomic and transcriptome results.
Comparative analysis of infection state in middle ear tissue, cell type, in response to invasion with otitis media pathogens; comparative proteomic analysis of infectious pathogens involved in middle ear infections upon biofilm or infection stimulus.
Proteomic analysis of auditory genetic disorders, presbycusis, environmental noise or drug trauma; biological and/or clinical in design.
Proteomic analysis of native purified and/or in vitro propagated cultures of putative auditory progenitor cells; comparative studies of transdifferentiated/induced auditory cells and subtypes.
Use of proteomic approaches to study the signal transduction networks related to transcription factors, cell surface receptors, growth factors, and other biomarkers relevant to auditory development.
Proteomic identification of novel signaling molecules and pathways involved in cell development, differentiation, communication, function and destruction, as applied to auditory signaling processes.
Development of novel proteomic bioinformatics for annotating genomic and protein sequence information for auditory function.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-078.html
Key Words**: Proteomics, High Throughput Technologies, Hearing**

Integrative Systems Biology Approaches to Auditory Hair Cell Regeneration [(R21) PA-08-176] and [(R01) PA-08-177]

PA-08-176 and PA-08-177
National Institute on Deafness and Other Communication Disorders
The National Institute on Deafness and Other Communication Disorders (NIDCD) invites grant applications using comprehensive systems biology approaches intended to restore lost auditory hair cells and their sensory function following damage to the inner ear from a variety of factors including disease, aminoglycosides, noise, and aging.
Amount: $500,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-176.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-177.html
Key Words**: Auditory Hair Cells, Hearing Loss**

NEI Clinical Study Planning Grant Program (R34)

PAR-10-017
National Eye Institute (NEI)
The National Eye Institute (NEI) supports large-scale clinical vision research projects, including randomized clinical trials and epidemiologic studies. At the time of submission, applications requesting support for these activities are expected to provide detailed information regarding the study's rationale, design, analytic techniques, protocols and procedures, facilities and environment, organizational structure, and collaborative arrangements. This information is best conveyed in a well-documented Manual of Procedures (MOP), the development of which represents a costly and time-consuming activity. The Clinical Study Planning Grant is designed to facilitate activities central to the refinement of a study's protocol and procedures and the development of a detailed MOP. The NEI Clinical Study Planning Grant may be used to support the development of a MOP, as well as to conduct preliminary studies to refine study procedures and/or assess recruitment potential. The Clinical Study Planning Grant is applicable to both epidemiologic and clinical trial research studies.
Amount: $300,000

LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-017.html
Key Words: **Vision, Clinical Trials**

The NEI Mentored Clinical Scientist Development Program Award (K12)
PAR-10-166
National Eye Institute (NEI)
The purpose of the NEI Mentored Clinical Scientist Development Program Award (K12) is to facilitate and support the career development of clinical vision scientists who have made a commitment to independent research careers. It will allow institutions to provide two to five years of comprehensive individualized career development training for selected clinically trained professionals (DO, DVM, MD, MD/PhD, OD, and PhD) who have the potential to develop into productive vision clinician-scientists. Under this award, recently trained clinicians are to be selected and appointed to the program by the grantee institution.
Amount: $5,625,000
LOI: N/R
Deadline: May 13, 2011
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-166.html
Key Words: **Clinical Visual Research**

NEI Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) for Statistical Genetics and Genome Informatics
RFA-EY-10-001
National Eye Institute (NEI)
The NEI Institutional Research Training Grants (T32) for Statistical Genetics and Genome Informatics is a Ruth L. Kirschstein National Research Service Award program that is intended to support predoctoral and postdoctoral training at institutions having the potential to develop meritorious training programs in genomic medicine, computational genomics, and statistical genetics. The goal of this program is to initiate a training program to develop ophthalmic statistical genetics and bioinformatics research skills critical for investigators seeking to identify genes and genetic variations underlying ocular diseases. This training program is designed to attract individuals in early career stages, in order to increase their knowledge and awareness of research in the genetics of ophthalmic disorders, and to encourage them to pursue research career opportunities in these scientific fields. Such training will help meet a growing need for investigators trained in computational genomics related to basic biomedical, clinical, and translational ophthalmic research.
Amount: $1,500,000
LOI: N/R
Deadline: May 18, 2011 and 2012
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-EY-10-001.html
Key Words: **Genomic Medicine, Ocular Diseases**

Family Medicine

Biology of Manual Therapies (R01) and (R21)
New
PA-10-209 and PA-10-210
National Center for Complementary and Alternative Medicine (NCCAM)
National Cancer Institute (NCI)
This FOA issued by National Center for Complementary and Alternative Medicine (NCCAM) and the National Cancer Institute (NCI), at the National Institutes of Health (NIH), encourages research grant applications (R01) from institutions/organizations that propose to investigate the basic science and mechanisms of action underlying the biomechanical, immunological, endocrinological and/or neurophysiological consequences of manual therapies, such as spinal manipulation, mobilization and massage therapy.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-209.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-210.html
Key Words:

Healthy Eating Research: Building Evidence to Prevent Childhood Obesity
Robert Wood Johnson Foundation (RWJF)

Healthy Eating Research is a national program of the Robert Wood Johnson Foundation (RWJF). The program supports research on environmental and policy strategies with strong potential to promote healthy eating among children to prevent childhood obesity, especially among lower-income and racial and ethnic populations at highest risk for obesity. Findings are expected to advance RWJF's efforts to reverse the childhood obesity epidemic by 2015.
The three types of funding opportunities included in this call for proposals (CFP) are Round 5 grants, rapid-response grants and New Connections grants through Healthy Eating Research. The broad topics and types of studies are described in the complete CFP.
Amount: $up to $170,000
LOI: N/R
Deadline: March 15-September 1, 2010 for Rapid-Response Grants
To learn more**:** http://www.rwjf.org/applications/solicited/cfp.jsp?ID=20922
Key Words**: Childhood Obesity**

Medical Management of Older Patients with HIV/AIDS
[(R01)PA-09-0187] and [(R03) PA-09-018] or [(R21) PA-09-0189]
PA-09-017 and PA-09-018 or PA-09-019
National Institutes of Health
This funding opportunity announcement (FOA) issued by the National Institute on Aging (NIA), the National Institute of Allergy and Infectious Diseases (NIAID), the Center for Mental Health Research on AIDS of the National Institute of Mental Health (NIMH), and the National Institute of Nursing Research (NINR) encourages Research Project Grant (R01) applications that address clinical and translational medical issues in the diagnosis and/or management of HIV infection and its consequences in older persons.
Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-017.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-018.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-019.html
Key Words**: HIV/AIDS, HIV, Aging**

Women's Mental Health in Pregnancy and the Postpartum Period (R01)
PA-09-174 and PA-09-175
National Institute of Mental Health (NIMH)
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Institute on Drug Abuse (NIDA)
Center for Primary Care, Prevention, and Clinical Partnerships (CP3)
In this Funding Opportunity Announcement (FOA), the National Institute of Mental Health (NIMH), the National Institute on Drug Abuse (NIDA), the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), and the Agency for Healthcare Research and Quality, encourage research on women's mental health in relation to pregnancy and the postpartum period. As illustrated by a few highly publicized cases, the consequences of severe untreated postpartum depression and psychosis can be devastating for individuals, families, and communities. A recent evidence-based practice report from the Agency for Healthcare Research and Quality noted that depression is also prevalent during pregnancy as well as the postpartum period, therefore research that occurs throughout pregnancy and the postpartum period (the perinatal period) is encouraged.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-174.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-175.html
Key Words**: Post-Partum Depression**

Home and Family Based Approaches for the Prevention or Management of Overweight or Obesity in Early Childhood (R21) and (R01)
PA-10-128 and PA-10-127
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Heart, Lung and Blood Institute (NHLBI)
Office of Behavioral and Social Sciences Research (OBSSR)
Office of Disease Prevention (ODP)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Heart, Lung and Blood Institute (NHLBI), the Office of Behavioral and Social Sciences Research (OBSSR) and the Office of Disease Prevention (ODP), National Institutes of Health, invites exploratory pilot/feasibility study and small clinical trial (R21) applications from institutions/organizations that propose to test novel home or family based interventions for the prevention or management of overweight in infancy and early childhood. Tested interventions can use behavioral (including dietary and physical activity), environmental, or other relevant approaches. Applications should focus on infants and young children (to age six years) and emphasize the role of home environment and the influence of family/extended family members and parents (including

guardians/substantial care-providers) within the childs home environment. The direct goal of this initiative is to fund research that will advance knowledge for innovative approaches to the prevention or management of overweight in children less than 6 years of age, with potential for future research clinical trial applications either in the home or linked to a community setting. Research should consider the role of families in the initiation, support, and reinforcement of fundamental food and beverage consumption, physical activity practices, and sedentary behaviors. In addition it is of interest to elucidate various underlying behavioral determinants that are crucial to initiate or sustain changes in behaviors that impact energy balance. Research designs may include linkages with other settings (e.g., daycare, pre-school, or other community venues) or other care providers (e.g., health care providers or teachers) but must include infants or children less than age six years as the primary study participant along with parents, and/or other family members residing with the child. The overarching goal is to identify interventions that influence parent and child behaviors that contribute to inappropriate weight gain, and thereby improve subsequent health status in childhood, adolescence, and adulthood for which overweight is a known risk factor.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-128.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-127.html
Key Words**: Obesity**

Adherence Studies in Adolescents with Chronic Kidney or Urologic Diseases, or Diabetes (R01)

RFA-DK-10-004
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
Adherence to a prescribed treatment regimen, including medications, devices and behavioral recommendations, can significantly impact morbidity and mortality for patients with chronic diseases, including chronic kidney or urologic disease and diabetes. When adherence to complex and seemingly rigid treatment regimens is poor, the results can be tragic. Adolescence can also be a particularly challenging time for adherence given the competing demands in an adolescents life, the unique developmental changes, and rapidly changing set of responsibilities as they transition to adulthood. There are few studies in pediatrics beyond the HIV literature that address non-adherence. The purpose of the FOA is to support research to improve adherence in adolescents with chronic kidney or urologic diseases, or diabetes. Therefore, the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) invites applications from new or established investigators to pursue research to better understand factors that influence adherence, develop appropriate measures of adherence, and test innovative strategies to enhance adherence in this vulnerable population.
Amount: $2,500,000
LOI: October 18, 2010
Deadline: November 15, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-10-004.html
Key Words**: Diabetes, Kidney Disease, Adolescents**

Meetings, Conferences, and Networks for Research Partnerships to Improve Functional Outcomes (R13)

PAR-08-207
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Institute of Neurological Diseases and Stroke (NINDS)
National Heart Lung and Blood Institute (NHLBI)
National Institute of Mental Health (NIMH)
National Inst
This funding opportunity announcement (FOA) solicits Conference Grant (R13/U13) applications from applicant organizations for meetings and networks that will facilitate interdisciplinary research partnership among investigators. The goal is to create opportunities for forming strong and effective multi-disciplinary scientific teams to address basic, translational, or clinical research problems in rehabilitation or management of chronic disease, including mental disorders.
Amount: $50,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-207.html
Key Words**: Chronic Disease, Rehabilitation, Conferences**

Funding

Broad Foundation, Eli and Edythe L.
Broad Medical Research Program (BMRP)
Research grants are available for innovative proposals that will lead to improvements in the prevention, diagnosis, or therapy of Crohn's disease or ulcerative colitis, two types of inflammatory bowel disease (IBD). The program is interested in funding clinical or basic IBD research projects that are innovative; are in the early stages of exploration; will improve diagnosis, therapy, or prevention of IBD in the near future; and will lead to longer-term funding by more traditional granting agencies.
Amount: unspecified
LOI: The first step in applying is to submit a Letter of Interest (LOI)

Deadline: Continuous
To learn more: http://www.broadmedical.org/funding.htm
Key Words: **Digestive Diseases and Disorders, Gastroenterology, Inflammatory Bowel Disease**

Research Stimulation Grants
American Academy of Family Physicians (AAFP)
Proposals are being accepted for research stimulation grants that address clinical research questions of importance to family physicians and their patients and can be implemented within a typical family medicine setting. Funds may be requested to support pilot projects or preliminary efforts involving general or nutritional research in family medicine. It is hoped that these grants will lead to the completion of a larger research project. The foundation will only fund new uniquely identifiable research projects.
Amount: $5,000
LOI: N/R
Deadline: Continuous
To learn more: http://www.aafpfoundation.org/x446.xml
Key Words: **Family Medicine**

Genomics

PFINDR: Phenotype Finder IN Data Resources: A Tool to Support Cross-study Data Discovery Among NHLBI Genomic Studies (UH2/UH3)
New
RFA-HL-11-020
National Heart, Lung, and Blood Institute (NHLBI)
This FOA invites applications for projects that propose to develop and apply advanced informatics approaches to categorize phenotypic measures in multiple datasets in data repositories to help researchers identify potentially relevant genomic studies across cardiovascular, lung, blood, and sleep research domains.
Amount: $5,000,000
LOI: August 16, 2010
Deadline: September 15, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-11-020.html
Key Words:

T32 Postdoctoral Research Fellowship
T32HL072757-02
University of Alabama at Birmingham (UAB)
The Section on Statistical Genetics in the Department of Biostatistics at the University of Alabama at Birmingham is accepting applications from statistical and other scientists for postdoctoral positions in statistical genetics, genetic epidemiology, microarray analysis, or proteomic analysis.
Amount: not specified
LOI: N/R
Deadline: Continuous. Fellowship positions are open until filled.
To learn more: http://www.soph.uab.edu/ssg/default.aspx?id=68
Key Words:

ELSI Small Research Program (R03)
PA-08-013
NIH
This Funding Opportunity Announcement (FOA) issued by the National Human Genome Research Institute, National Institutes of Health, encourages Small Research Grant (R03) applications from institutions/organizations that propose to study the ethical, legal and social implications (ELSI) of human genome research. This announcement is specifically designed to: 1) encourage the development of small, focused research projects by legal, historical, ethics, humanities, social sciences and behavioral scholars; 2) support exploratory studies that may provide preliminary findings or pilot data for larger research proposals; 3) support the secondary analysis of existing data; 4) support the development of new methodologies; and 5) stimulate and facilitate the entry of promising new investigators into ELSI Research.
Amount: $100,000 over 2 years
LOI: N/R
Deadline: multiple dates, see announcement

To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-013.html
Key Words:

Genome-Wide Association Analysis of Existing Data Sets for Arthritis and Musculoskeletal and Skin Diseases (R01)
PAR-08-123
NIH
This Funding Opportunity Announcement (FOA) issued by the National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health, solicits applications proposing genome-wide association studies (GWAS) of phenotypes relevant to the NIAMS mission, to be conducted with existing genetic and phenotypic data, such as may be obtained from the NIH database of Genotype and Phenotype (dbGaP) or other sources of genotype and phenotype data.
Amount: $220,000 annually
LOI: N/R
Deadline: June 18, 2010
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-123.html
Key Words:

ELSI Regular Research Program (R01)
PA-08-012
NIH
This Funding Opportunity Announcement (FOA) issued by the National Human Genome Research Institute, National Institutes of Health, encourages Research Program Grant (R01) applications from institutions/organizations that propose to study the ethical, legal and social implications (ELSI) of human genome research.
Amount: unspecified
LOI: N/R
Deadline: multiple dates, see announcement
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-012.html
Key Words:

Genetic Susceptibility and Variability of Human Structural Birth Defects (R01)
PA-08-011
NICHHD, NIDCR, NIEHS
This Funding Opportunity Announcement (FOA) encourages innovative investigator-initiated applications designed to study fundamental developmental processes using animal models in conjunction with translational/clinical approaches with the goal of advancing our understanding of the etiology of structural birth defects. In 2000, the Developmental Biology, Genetics and Teratology Branch at NICHD began its Birth Defects Initiative with the funding of a number of research grants and program projects focused on the use of molecular genetic approaches for the study of genetic susceptibility, epidemiology, and developmental biology of human congenital structural malformations. These grants established the basis for a working group of investigators, who meet annually to present research updates, share ideas and technical advances, establish new collaborations, and provide input and advice to NICHD staff. Applicants funded through this FOA will join the NICHD's Birth Defects Special Interest Group and participate in annual meetings designed to provide a forum to discuss research progress, exchange ideas, share resources, and foster collaborations relevant to the goals of the NICHD's Birth Defects Initiative.
Amount: unspecified
LOI: N/R
Deadline: Multiple dates, see announcement
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-011.html
Key Words:

NIH Small Research Grant Program (Parent R03)
PA-10-064
National Institutes of Health (NIH)
multiple institutes
The National Institutes of Health (NIH) Investigator-Initiated Small Grant (R03) funding opportunity supports small research projects that can be carried out in a short period of time with limited resources. Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigator's area of interest and competency. All investigator-initiated small grant applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests. Investigators are strongly encouraged to consult the list of participating ICs and special research interests. The R03 grant mechanism supports different

types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.
Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-064.html
Key Words: **Genome Research, Drug Abuse, Aging, Child Health and Development, Nursing**

Genetic Epidemiology of Substance Use Disorders (R03)

PA-07-414
National Institutes of Health (NIH)
The National Institute on Drug Abuse (NIDA) and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) seek to stimulate and expand research applying genetic epidemiologic methods to studies of substance and alcohol use disorders (SUDs/AUD, drug or alcohol abuse and dependence). Previous studies using twin, adoption, and family approaches indicate that genetic factors substantially contribute to the vulnerability to SUDs/AUD. Shared environmental factors have also been shown strongly to influence risk, particularly for the onset of substance and alcohol use, while heritability estimates generally rise with age and with progression from substance use to disorder. Significant advances have been made in our understanding of the developmental nature of the onset and progression of SUDs/AUD and in defining a disinhibited phenotype. Building on these findings, new studies are needed to apply genetic epidemiologic approaches to advance our understanding of a variety of developmental trajectories of SUD/AUD; integrate as well as differentiate genetic, environmental, and developmental factors in the onset and maintenance of SUD/AUD; broaden and refine phenotypic definitions of SUDs/AUD; guide the translation of etiologic findings to treatment, prevention, gene-finding and molecular studies; and meet the methodologic challenges of the field.
Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants1.nih.gov/grants/guide/pa-files/PA-07-414.html
Key Words: **Addictions, Alcohol or Alcoholism, Alcoholism Prevention, Genetics, Substance Abuse, Substance Abuse Prevention**

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) - PA-06-468/PA-08-226

PA-06-468/PA-08-226
National Institutes of Health (NIH)
The objective of the National Research Service Award (NRSA) program is to provide predoctoral and postdoctoral research training opportunities for individuals interested in pursuing research careers in biomedical, behavioral and clinical research. Each NIH Institute and Center has a unique scientific purview and different program goals and initiatives that evolve over time. It is therefore critical that all applicants consult with the scientific/research contact at the relevant NIH Institute or Center for current information about program priorities and policies before preparing an application. This action is of utmost importance because applications with marginal or no relevance to the NIH awarding components participating in this funding opportunity announcement will not be accepted for review or considered for funding.
Amount: varies
LOI: N/R
Deadline: Jan 25 annually; May 25 annually
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-226.html
Key Words: **Alcohol or Alcoholism, Allergy, Alternative Medicine, Arthritis, Biomedical Research (Multidisciplinary), Blood Diseases, Cancer or Carcinogenesis, Cardiovascular Diseases, Deafness, Diabetes, Digestive Diseases and Disorders, Drug Abuse Prevention, Environmental Health, Eye Diseases, Genomics, Geriatrics, Infectious Diseases or Agents, Internal Medicine, Mental Health, Musculoskeletal Diseases, Neurological Disorders, Nursing Education, Nutrition or Dietetics, Pediatrics, Pulmonary Diseases, Respiratory Diseases, Substance Abuse**

Proteomics in Auditory Developmental and Disease Processes (R21)

PA-10-078
National Institute on Deafness and Other Communication Disorders (NIDCD)
The following examples are not meant to be comprehensive or restrictive, but rather represent projects relevant to the auditory system. Examples of projects responsive to this FOA include but are not limited to:
Proteomic analysis of specific cell types of the inner ear, other auditory pathways, and/or their subcellular structures.
Proteomic analysis of specific otocyst cell/tissue types through a variety of developing stages.
Comparative analysis between proteome and transcriptome of a defined auditory cell and/or tissue type; comparative determination between proteomic and transcriptome results.

Comparative analysis of infection state in middle ear tissue, cell type, in response to invasion with otitis media pathogens; comparative proteomic analysis of infectious pathogens involved in middle ear infections upon biofilm or infection stimulus.
Proteomic analysis of auditory genetic disorders, presbycusis, environmental noise or drug trauma; biological and/or clinical in design.
Proteomic analysis of native purified and/or in vitro propagated cultures of putative auditory progenitor cells; comparative studies of transdifferentiated/induced auditory cells and subtypes.
Use of proteomic approaches to study the signal transduction networks related to transcription factors, cell surface receptors, growth factors, and other biomarkers relevant to auditory development.
Proteomic identification of novel signaling molecules and pathways involved in cell development, differentiation, communication, function and destruction, as applied to auditory signaling processes.
Development of novel proteomic bioinformatics for annotating genomic and protein sequence information for auditory function.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-078.html
Key Words**: Proteomics, High Throughput Technologies, Hearing**

The Role of Cellular Organelles in Alcohol-Induced Tissue Injury (R01) and (R21)

PA-10-085 and PA-10-086
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Research Project Grant (R01) applications that propose to study biological processes involving the cellular organelles in alcohol-induced tissue injury. Excessive alcohol consumption can damage many organ systems including the liver, heart, pancreas, brain, and lung. However, the mechanisms for these injuries are currently not fully understood. Cellular organelles play an important role in cellular functions and are significantly involved in alcohol-induced tissue injury. Thus, studies of alcohol's effects on the structure and function of cellular organelles are critical to better understand the mechanisms of alcohol-induced injuries and to develop new strategies for their diagnosis and treatment. The purpose of this FOA is to: (1) better understand how acute or chronic alcohol consumption affects the structure and function of cellular organelles, and in turn, how these changes contribute to alcohol-induced injury; (2) investigate how variations of proteins in cellular organelles, or their regulation and function, including cellular signaling pathways, contribute to an individual's response to acute or chronic alcohol intake and alcohol-induced tissue injury; (3) develop potential biomarkers for prognosis and diagnosis of tissue injury, or identify new targets for therapeutic interventions. This FOA aims to foster the utilization of innovative experimental design and emerging technologies, such as genomics, proteomics, metabolomics, bioinformatics, as well as novel microscopic imaging techniques that illuminate functions in intact cells and tissues, to generate new mechanistic and clinical insights into alcohol-induced tissue injuries.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-085.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-086.html
Key Words**: Alcohol-Induced Tissue Injury**

Stress Pathways in Alcohol Induced Organ Injury and Protection (R01) and (R21)

PA-10-093 and PA-10-094
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Research Project Grant (R01) applications that propose studying the role of cellular stress responses, the cytoplasmic classical stress response or heat shock response (HSR) and the endoplasmic reticulum (ER) stress, in alcohol-induced tissue injury and tissue protection. While excessive alcohol use causes organ damage, moderate alcohol consumption may be beneficial. The underlying molecular mechanisms for this apparent dichotomy of alcohol's harmful and salutary effects are currently not fully understood. Alcohol induces cellular stress pathways in the cytoplasm and in the endoplasmic reticulum that may significantly be involved in alcohol-induced tissue injury or mediate tissue protection depending on the quantity, frequency, duration, and temporal pattern of drinking. Hence, studies of the effects of alcohol on cellular stress pathways are critical to understand the mechanisms of alcohol-induced injuries or protection to develop new strategies for prevention, diagnosis and treatment. The purpose of this FOA is to: (1) acquire insight into how acute or chronic alcohol consumption affects cellular stress pathways and in turn, how these changes contribute to alcohol-induced injury/protection; (2) investigate how alcohol induced stress responses mediate cell survival and death signaling pathways at macromolecular, organelle, cellular and organism level contributing to alcohol-induced tissue injury/protection; (3) develop potential stress related biomarkers for prognosis, diagnosis of tissue injury/protection, furthermore identify new targets for their therapeutic interventions. Utilizing innovative experimental design and emerging technologies, such as deep sequencing, genomics, proteomics, metabolomics, bioinformatics, and novel imaging techniques these investigations are expected to provide a more comprehensive understanding of how alcohol affects the evolutionally conserved stress pathways and elucidate their roles in tissue injuries and repair.
Amount: varies
LOI: N/R
Deadline: Standard dates apply

To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-093.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-094.html
Key Words: **Alcohol-Induced Tissue Injury**

Mouse Models Containing Human Alleles: Novel Tools to Study Brain Function (R21/R33)
PAR-08-158
National Institute of Mental Health
National Institute on Aging
National Institute on Alcohol Abuse and Alcoholism
National Institute on Drug Abuse
This Funding Opportunity Announcement invites Phased Innovation (R21/R33) grant applications from organizations /institutions that propose the development and characterization of novel mouse models that express human genes or human genetic elements that can aid in understanding the molecular mechanisms underlying brain function and the physiological function/significance of gene variants and gene dosage abnormalities that have been identified as possibly being involved in mental disorders, addiction, neurodegenerative disorders of aging, and alcoholism as well as related comorbid conditions
Amount: $150,000
LOI: 30 days prior to application receipt date
Deadline: multiple dates (January 28, 2011)
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-158.html
Key Words: **Animal Models**

Deep Sequencing and Haplotype Profiling of Mental Disorders (Collaborative R01)
PAR-08-199
National Institute of Mental Health (NIMH)
With the initial stages of the Human Genome Project completed and new insights gained into the complex interplay of genomic function, genomic structure and the environment in mental disorders, attention is shifting towards the translational promise of the completed human sequence and a new era of genomic medicine in mental disorders. A special emphasis of this Funding Opportunity Announcement (FOA) issued by the National Institute of Mental Health (NIMH), National Institutes of Health (NIH), is to support applications that implement large-scale studies and innovative analytical designs that will disaggregate a given mental disorder into components of finite risks. These developments may be evolutionary or may be fundamentally new and may lead to paradigm shifts in the field. Applications submitted in response to this FOA may propose new technologies for cost effective whole genome analysis and in-depth sequencing and analysis of candidate genes and genomic regions in pedigrees or in a sample of unrelated cases with mental disorders. Applications for large-scale haplotype analysis and the development of new analytical methods also are encouraged.
Amount: varies
LOI: N/R
Deadline: Standard application deadlines for the R01 funding mechanism are February 5, June 5, and October 5.
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-199.html
Key Words: **Bioinformatics, DNA Sequencing, Genomics, Mental Disorders**

Collaborative Research for Molecular and Genomic Studies of Behavior in Animal Models (R01)
PA-10-125
National Institute of General Medical Sciences (NIGMS)
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
The purpose of this Funding Opportunity Announcement (FOA), issued by the National Institute of General Medical Sciences (NIGMS) and the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institutes of Health, is to facilitate collaborative research, involving behavioral scientists and investigators with expertise in molecular biology and/or genomics, which addresses questions about the mechanisms of behavior in animal models. Applications from multiple PIs are encouraged.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-125.html
Key Words: **Maternal Behavior, Social Development, Cognitive Development, Developmental Disability, Neuroimaging, Gene-Brain-Behavior Associations**

Genetic and Genomic Resources for Emerging Non-Mammalian Model Organisms (R24)
PA-07-457
National Institute of General Medical Sciences (NIGMS)
NIGMS invites investigator-initiated applications for research designed to generate genetic tools and genomic resources that will enable researchers to exploit the full potential of novel or developing model systems for comparative and functional genomic studies. The

typical organism to be considered should have a publicly available draft of the genomic DNA sequence with a minimum of 5X coverage. In addition, the organism should show promise as, or be, a model for basic biological, developmental, or behavioral mechanisms.
Amount: $1,000,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants1.nih.gov/grants/guide/pa-files/PA-07-457.html
Key Words**: Genetics, Genomics**

Technology Development for High-Throughput Structural Biology Research (P01) and (R01)

PAR-10-074 and PAR-10-073
National Institute of General Medical Sciences (NIGMS)
This FOA issued by the National Institute of General Medical Sciences (NIGMS), National Institutes of Health, encourages grant applications from institutions/organizations that propose to develop novel technologies and methodologies underpinning high-throughput structural biology. Applications for new ideas and approaches for protein production and structure determination for classes of challenging proteins are appropriate. Projects related to high-throughput structure determination by X-ray crystallography and NMR, as well as projects addressing other constituent tasks of structural biology, including structural genomics, are relevant to this FOA.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-074.html and http://grants.nih.gov/grants/guide/pa-files/PAR-10-073.html
Key Words**: X-Ray Crystallography, NMR, Membrane Proteins, Small Protein Complexes**

Enhancing Zebrafish Research with Research Tools and Techniques (R01)

PAR-08-139
National Institute of Diabetes and Digestive and Kidney Diseases
National Cancer Institute
National Eye Institute
National Human Genome Research Institute
National Heart, Lung, and Blood Institute
National Institute on Alcohol Abuse and Alcoholism
Nationa
This FOA encourages investigator-initiated applications designed to exploit the power of the zebrafish as a vertebrate model for biomedical and behavioral research. Applications proposing to develop new research tools or techniques that are of high priority to the zebrafish community and that will advance the detection and characterization of genes, pathways, and phenotypes of interest in development and aging, organ formation, neural processes, behavior, sensory processing, physiological processes, and disease processes are welcome. This effort stems from an NIH initiative developed by the Institutes and Centers of the Trans-NIH Zebrafish Coordinating Committee (TZCC) under the co-chairmanship of NICHD and NIDDK.
Amount: under $500,000 (direct costs) per year and a project duration of up to five years may be requested.
LOI: August 17, 2010
Deadline: September 17, 2010
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-139.html
Key Words**:**

NIDCR Small Research Grants for Data Analysis and Statistical Methodology applied to Genome-wide Data (R03)

PAR-10-041
National Institute of Dental and Craniofacial Research (NIDCR)
This funding opportunity announcement (FOA) will support meritorious research projects that involve secondary data analyses or development of statistical methodology using existing genome-wide data, relevant to human dental or craniofacial conditions or traits.
Amount: $300,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-041.html
Key Words**: Craniofacial, Dental Conditions**

Genetic Screens to Enhance Zebrafish Research (R01)

PAR-08-138
National Institute of Child Health and Human Development
National Cancer Institute

National Heart, Lung, and Blood Institute
National Institute on Aging
National Institute on Alcohol Abuse and Alcoholism
National Institute of Arthritis and Musculoskeletal
This FOA encourages investigator-initiated applications designed to exploit the power of the zebrafish as a vertebrate model for biomedical and behavioral research. Applications proposing to develop new genetic screens of high priority to the zebrafish community that will advance the detection and characterization of genes, pathways, and phenotypes of interest in development and aging, organ formation, neural processes, behavior, sensory processes, physiological processes, and disease processes are welcome. This effort stems from an NIH initiative developed by the Institutes and Centers of the Trans-NIH Zebrafish Coordinating Committee (TZCC) under the co-chairmanship of NICHD and NIDDK.
Amount: under $500,000 direct costs per year and project duration of up to five years may be requested.
LOI: August 25, 2010
Deadline: September 24, 2010
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-138.html
Key Words**:**

Development of Multifunctional Drug and Gene Delivery Systems (R01)
PAR-10-048
National Institute of Biomedical Imaging and Bioengineering (NIBIB)
National Heart, Lung, and Blood Institute (NHLBI)
This Funding Opportunity Announcement (FOA), issued by the National Institute of Biomedical Imaging and Bioengineering and the National Heart, Lung, and Blood Institute, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose the engineering of novel, multifunctional drug and gene delivery systems that can target therapies to particular cells and intracellular compartments and can monitor delivery and determine therapeutic efficacy through the integration of advanced imaging and/or sensing technologies into the delivery system. Applications should propose to develop at least one prototype system by the end of the project period. Applications that are submitted to this FOA should include investigators from both the drug/gene delivery and imaging fields. Applicants are strongly encouraged to use the Multi-PD/PI model to meet the imaging and drug/gene delivery expertise.
Amount: varies
LOI: 30 days before Application Due Dates
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-048.html
Key Words**: Gene Delivery, Drug Delivery**

Replication, Fine-Mapping and Sequencing: Follow-Up on Genome-Wide Association Studies for Arthritis and Musculoskeletal and Skin Diseases (R01)
PAR-09-135
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)
This Funding Opportunity Announcement (FOA), issued by the National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health, encourages applications that propose to perform replication, fine-mapping, and sequencing studies of human genomic regions that are putatively associated with phenotypes relevant to the NIAMS mission. Genomic regions of interest are primarily those identified by genome-wide association studies (GWAS). The objective of this FOA is to enhance the identification of causal genes and genetic variants that influence complex diseases relevant to the NIAMS mission. Replication, fine-mapping, and sequencing studies are to be conducted in existing cohorts with defined phenotypes. This FOA will not support recruitment of human subjects, collection of medical or phenotypic data, studies using animal models, or the initial discovery phase of GWAS.
Amount: $500,000
LOI: June 1, 2010; June 1, 2011
Deadline: June 29, 2010; June 29, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-135.html
Key Words**: GWAS, Genome-Wide Analysis, Musculoskeletal and Skin Diseases, Arthritis**

NIH Small Research Grant Program (Parent R03)
PA-09-163
National Human Genome Research Institute (NHGRI)
National Institute on Drug Abuse (NIDA)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Allergy and Infectious Diseases (NIAID)
National In

The National Institutes of Health (NIH) Investigator-Initiated Small Grant (R03) funding opportunity supports small research projects that can be carried out in a short period of time with limited resources. Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigator's area of interest and competency. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. All investigator-initiated small grant applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests.
Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-163.html
Key Words**: Small Grants**

Initiative to Maximize Research Education in Genomics (R25)

PAR-09-245
National Human Genome Research Institute (NHGRI)
This funding opportunity supports two types of activities: (1) short, advanced level courses that are intended to disseminate new laboratory techniques, methods, analyses related to the mission of the NHGRI and (2) research education and training initiatives that are linked to specific NHGRI research initiatives, such as Centers of Excellence in Genomic Science (CEGS) and large-scale sequencing and database grants.
Amount: $1,500,000
LOI: Thirty (30) days before application due date
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-245.html
Key Words**: Laboratory Techniques, Class Development, Genomic Science**

Common Pathogenetic Mechanisms of Lung Cancer and COPD (R01)

RFA-HL-11-002
National Heart, Lung, and Blood Institute (NHLBI)
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA) issued by the National Heart, Lung, and Blood Institute and the National Cancer Institute, National Institutes of Health, solicits Research Project Grant (R01) applications from institutions/organizations to identify the fundamental etiopathogenetic commonalities between lung cancer and Chronic Obstructive Pulmonary Disease (COPD) in order to characterize: (a) the genotypic and phenotypic characteristics that determine individual susceptibility; and (b) the shared biochemical, molecular, and immunological pathways involved in the origin and progression of the two diseases.
Amount: $2,340,000
LOI: May 18, 2010
Deadline: June 18, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-11-002.html
Key Words**: Lung Cancer, COPD**

Cross Organ Mechanism-Associated Phenotypes for Genetic Analyses of Heart, Lung, Blood, and Sleep Diseases (MAPGen for HLBS) Research Centers (U01)

RFA-HL-11-005
National Heart, Lung, and Blood Institute (NHLBI)
The purpose of this FOA issued by the NHLBI, National Institutes of Health, is to invite applications to participate in the MAPGen consortium. This consortium seeks to utilize evolving knowledge of cellular and molecular networks to define common mechanism-associated traits across organ systems. The ultimate goal is to re-define disease at the level of pathogenetic mechanisms and phenotype individuals based on pathobiology, rather than clinical presentation. This approach will provide the basis for the development of mechanism-based strategies for prevention, diagnosis and treatment in individual patients. This FOA encourages applications for research centers and runs in parallel with a separate FOA that solicits applications for the MAPGen Knowledge Base and Coordination Center (MAPGenKB) (see HL-11-004).
Amount: up to $1,600,000
LOI: August 2, 2010
Deadline: September 1, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-11-005.html
Key Words**: Biomarkers, Toll-like Receptor Type 2, Asthma, Diabetes, T Regulatory Cells, PPARg, Fat Disposition, Inflammatory Cytokines, Hypertension, Dementia, Smoking, Sleep Disorders**

MAPGen Knowledge Base (MAPGenKB) and Coordination Center (U01)
RFA-HL-11-004
National Heart, Lung, and Blood Institute (NHLBI)
The National Heart, Lung, and Blood Institute (NHLBI) encourages grant applications under this Funding Opportunity Announcement (FOA) to develop and implement a Knowledge Base (KB) and Coordinating Center for the Consortium of Cross Organ Mechanism-Associated Phenotypes for Genetic Analyses of Heart, Lung, Blood, and Sleep Diseases (MAPGen for HLBS). This is one of two FOAs for the MAPGen program. The other FOA is for the Research Centers (RCs) of MAPGen and described separately in RFA-HL-11-005. The MAPGenKB will provide logistical and informatics support for the research across all RCs in the MAPGen consortium and synthesize the knowledge from the datasets of the RCs and other sources that are relevant to the goals of the MAPGen consortium. The data and tools generated from this consortium will be made available to the broad scientific community.
Amount: $5,500,000
LOI: August 2, 2010
Deadline: September 1, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-11-004.html
Key Words**: Genetic Analyses, Informatics**

NEI Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) for Statistical Genetics and Genome Informatics
RFA-EY-10-001
National Eye Institute (NEI)
The NEI Institutional Research Training Grants (T32) for Statistical Genetics and Genome Informatics is a Ruth L. Kirschstein National Research Service Award program that is intended to support predoctoral and postdoctoral training at institutions having the potential to develop meritorious training programs in genomic medicine, computational genomics, and statistical genetics. The goal of this program is to initiate a training program to develop ophthalmic statistical genetics and bioinformatics research skills critical for investigators seeking to identify genes and genetic variations underlying ocular diseases. This training program is designed to attract individuals in early career stages, in order to increase their knowledge and awareness of research in the genetics of ophthalmic disorders, and to encourage them to pursue research career opportunities in these scientific fields. Such training will help meet a growing need for investigators trained in computational genomics related to basic biomedical, clinical, and translational ophthalmic research.
Amount: $1,500,000
LOI: N/R
Deadline: May 18, 2011 and 2012
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-EY-10-001.html
Key Words**: Genomic Medicine, Ocular Diseases**

Development of Animal Models and Related Biological Materials For Research (R21)
PA-10-138
National Center for Research Resources (NCRR)
This funding opportunity announcement (FOA) issued by NCRR, National Institutes of Health, encourages research grant applications from institutions/ organizations that propose to develop, characterize or improve animal models for human disease or to improve diagnosis and control diseases of laboratory animals that may interfere with research. Models to be considered must be applicable to the research interests of two or more categorical NIH Institutes/Centers. Investigators considering applying are strongly encouraged to consult with NCRR program staff as early as possible to be advised whether this FOA is appropriate. Proposals to develop models that would not have broad applications, but would apply only to a specific disease or category of research, should be proposed to the appropriate categorical institute of the National Institutes of Health (NIH), e.g., models or model systems with primary focus on cancer or heart diseases should contact those categorical institutes at NIH to discuss alternative funding opportunities.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-138.html
Key Words**: Animal Models of Disease**

Prioritizing Molecular Targets for Cancer Prevention with Nutritional Combinations (R01)
PA-10-035
National Cancer Institute (NCI)
Office of Dietary Supplements (ODS)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), and the Office of Dietary Supplements (ODS), of the National Institutes of Health (NIH), invites research applications to enhance our understanding about the dynamic interrelationship that exists between bioactive food components (and/or combinations thereof) and cancer prevention. Although much evidence exists that dietary components are linked to cancer prevention, the interactions among dietary bioactive compounds and food combinations remains under-investigated. Applications are encouraged to consider either multiple dietary bioactive components, intact

foods or multiple foods utilizing physiologically relevant concentrations of the agents. New genetic technologies may be employed to study the impact of dietary components on complex cellular and molecular networks, as part of the effort to better understand the basis for the multifaceted interactions of food components with cancer prevention mechanisms. Specifically, applications that apply new high-throughput genomic, epigenomic, proteomic, and metabolomic technologies to prioritize molecular targets of dietary components are highly encouraged. The sites of action that may be evaluated include carcinogen metabolism, DNA repair, cell proliferation, apoptosis, differentiation, hormonal regulation, energetics, inflammation, and/or angiogenesis. In addition, applications should either evaluate multiple molecular targets within a cancer process or multiple processes in order to prioritize which process(es) is/are most involved in bringing about a phenotypic change. It is hoped that advances in this area may assist in optimizing cancer prevention while minimizing potential toxicity due to food components. The resulting information will help define which foods or food components should be considered in isolation or in combination when developing dietary strategies to reduce cancer risk and/or modify tumor behavior.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-035.html
Key Words**: Dietary Components, Cancer Prevention**

Investigational Nutrigenetic Studies for Cancer Prevention [(R01) PA-08-220] and [(R21) PA-08-221]
PA-08-220 and PA-08-221
National Cancer Institute (NCI)
National Institute of Nursing Research (NINR)
Office of Dietary Supplements (ODS)
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), the National Institute of Nursing Research (NINR), and the Office of Dietary Supplements (ODS), all of the National Institutes of Health (NIH), solicits applications for research projects that can combine information on individual genetic variations from the Human Genome and International HapMap Projects to stimulate small pilot dietary intervention studies. The overarching goal is to examine whether genetic variants can predict individual response to dietary components that alter cancer processes and modify individual susceptibly to cancer. These studies will allow for personalization of cancer preventive dietary strategies to reduce cancer risk in genetically susceptible individuals. Associational and non-interventional epidemiologic-focused studies will not be supported in conjunction with this FOA.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-220.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-221.html
Key Words**: Dietary Intervention, Cancer Susceptibility, Genetic Predictions**

Strategic Partnering to Evaluate Cancer Signatures [SPECS II] (U01)
PAR-10-126
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI) of the National Institutes of Health (NIH), encourages the submission of grant applications for support of the clinical application of multi-analyte molecular signatures derived from comprehensive molecular annotation of tumors. There is growing recognition in the clinical cancer research community that annotation of tumor specimens with data that integrates information about molecular alterations at the levels of DNA, RNA, and protein provides not only a more complete understanding of tumor biology but also provides a significant opportunity for developing new clinical tools to improve cancer treatment. Translating the knowledge gained from this molecular annotation into tools that can be used in clinical decision-making remains a major challenge. The purpose of this initiative is to build on recent demonstrations that molecular signatures correlate with important clinical parameters in cancer. The goal of this initiative is also to create publications and data sets that will be available and accessible to the scientific community in order to further the development, design, and conduct of future clinical trials (e.g., incorporation of molecular signatures into future clinical trials and large clinical validation studies) and to encourage appropriate commercialization to benefit the public health. The NCI invites investigators to form strategic partnerships that will bring together the multi-disciplinary expertise and resources needed to determine how the information derived from comprehensive molecular analyses can be used to improve patient care and, ultimately, patient outcomes.
Amount: varies
LOI: May 15, 2011, May 15, 2012
Deadline: June 15, 2011, June 15, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-126.html
Key Words**: Molecular Signatures, Diagnostic Tools, Assessment**

Epigenetic Approaches in Cancer Epidemiology (R01) and (R21)
PA-10-031 and PA-10-032
National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages research applications that propose to evaluate profiles of methylation, histone modifications and micro RNA (miRNA) and their association with risk of developing cancer in different populations. The overarching goal of this FOA is to provide support for population based studies to define the role of epigenetic markers (methylation, histone and micro RNA profiles) changes to understand cancer etiology.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-031.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-032.html
Key Words**: Methylation, Micro RNA, miRNA, Histone**

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Predoctoral Training Program in Systems Biology of Developmental Biology & Birth Defects(T32)
PAR-10-193
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
The National Institutes of Health (NIH) awards Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) to eligible institutions as the primary means of supporting predoctoral and postdoctoral research training to help ensure that a diverse and highly trained workforce is available to assume leadership roles related to the Nations biomedical, behavioral and clinical research agenda. The primary objective of the T32 program is to prepare qualified individuals for careers that have a significant impact on the health-related research needs of the Nation. This Funding Opportunity Announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) encourages applications for predoctoral NRSA T32s to provide research training in systems biology of developmental biology and/or structural birth defects research.
Amount: varies
LOI: June 14, 2010, April 25, 2011, April 25, 2012
Deadline: July 13, 2010, May 25, 2011, May 25, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-193.html
Key Words**: Molecular Biology, Cell Biology, Genetics, Physiology, Physics, Bio-Mechanics, Imaging, Modeling, Bio-informatics, Quantitative Analysis of High Throughput data**

Gulf War Illness Research Program (GWIRP)
[Clinical Trial Award; Innovative Treatment Evaluation Award; Consortium Development Award; Investigator-Initiated Research Award]
W81XWH-10-GWIRP-CTA
W81XWH-10-GWIRP-ITEA
W81XWH-10-GWIRP-CONDEV
W81XWH-10-GWIRP-IIRA
DOD
Congressionally Directed Medical Research Programs (CDMRP)
The FY2010 Gulf War Illness Research Program (GWIRP) challenges the scientific community to design high-impact research that will improve the health and lives of veterans who have Gulf War Illness (GWI). GWI is characterized by multiple diverse symptoms that typically include chronic headache, widespread
pain, cognitive difficulties, debilitating fatigue, gastrointestinal problems, respiratory symptoms, and other abnormalities that are not explained by established medical diagnoses or standard laboratory tests.
The GWIRP focuses its funding on innovative projects that have the potential to make a significant impact on GWI. These may take the form of identification of objective indicators of pathology that distinguish ill from healthy veterans, or studies to understand the underlying pathobiology of GWI. The GWIRP encourages risk-taking research; however, all projects must demonstrate solid judgment and sound rationale.
Amount: up to $1,500,000; varies with award
LOI: May 14, 2010
Deadline: August 4, 2010
To learn more**:** http://cdmrp.army.mil/funding/gwirp.htm
Key Words**: Glial Cells, Astrocytes, Central Neuroinflammatory Processes, GWI, Neuroendocrine Measures, Autonomic Nervous System Function, Immune Parameters, Chronic Infection, Gastrointestinal Complaints/Symptoms, Genomic Proteomic or Metabolic Characteristics of GWI**

Geriatrics/Aging

Alzheimer's Disease Drug Development Program (U01)
New

PA-10-205
National Institute on Aging (NIA)
The objective of this solicitation is to stimulate research in the pre-clinical development and testing of novel therapeutic compounds aimed at slowing, halting, or reversing the progressive decline in cognitive function and modifying the behavioral symptoms in Alzheimer's disease (AD); or delaying the onset of or preventing AD, mild cognitive impairment (MCI), or age-related cognitive decline. This initiative is intended to stimulate activities focused on providing sufficient data to submit an Investigational New Drug (IND) application to the Food and Drug Administration to begin human clinical testing of potential new therapies. For this program neither mechanistic/basic studies nor clinical trials will be supported; only applications to develop a therapy will be accepted.
Amount: $4,000,000
LOI: July 6, 2010 is the first letter of intent receipt date for resubmission and revision applications. For subsequent resubmission or revision applications the letter of intent receipt dates will be October 5th, February 5th and June 5th, respectively, for
Deadline: August 4, 2010 for the first receipt date for a resubmission or revision application. October 5, 2010 for the first receipt date for a new application.
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-205.html
Key Words:

Angiogenesis in the Nervous System in Health and Disease
(R01) [PA-08-015] and (R21) [PA-08-016]
PA-08-015 and PA-08-016
NIH
This Funding Opportunity Announcement (FOA) is a program announcement (PA) issued by the National Institute of Neurological Disorders and Stroke (NINDS), the National Eye Institute (NEI), the National Institute on Aging (NIA), the National Cancer Institute (NCI), and the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health (NIH). The aim of this FOA is to invite applications to study angiogenesis in the nervous system. Specific areas of research this FOA seeks to encourage include study of the mechanisms controlling angiogenic responses to physiological and pathological stimuli, the development and patterning of nervous system vasculature, and the etiology of disorders affecting development and/or ongoing angiogenesis in nervous system vasculature.
Amount: unspecified
LOI: N/R
Deadline: Multiple dates, see announcement
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-015.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-016.html
Key Words:

Thyroid in Aging
(R01) [PA-08-037] and (R21) [PA-08-038] and (R03) [PA-08-039]
PA-08-037
NIH
The purpose of this funding opportunity announcement (FOA) is to encourage submission of investigator-initiated research applications on the thyroid in aging. This FOA is intended to promote basic, translational, and clinical studies leading to increased understanding of the physiology of the aging thyroid and improved diagnosis and management of thyroid disease in older adults
Amount: varies
LOI: N/R
Deadline: multiple; see announcement
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-037.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-038.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-039.html
Key Words:

Alzheimer's Disease Pilot Clinical Trials (R01)
PAR-08-062
NIH
This Funding Opportunity Announcement (FOA) issued by the National Institute on Aging (NIA), the National Center for Complementary and Alternative Medicine (NCCAM), and the National Institute of Nursing research (NINR), National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/ organizations that propose to initiate pilot clinical trials for treatment or prevention of MCI, AD, and/or age –related cognitive decline
Amount: up to $450,000 per year for 3 years
LOI: N/R
Deadline: multiple, see link
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-062.html
Key Words:

Bioengineering Research Grants (BRG)[R01]
PA-06-419
National Institutes of Health (NIH), multiple institutes
The BRGs support multi-disciplinary research performed in a single laboratory or by a small number of investigators that applies an integrative, systems approach to develop knowledge and/or methods to prevent, detect, diagnose, or treat disease or to understand health and behavior. A BRG application may propose hypothesis-driven, discovery-driven, developmental, or design-directed research.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-06-419.html
Key Words**: Imaging, Bioengineering, Arthritis, Musculoskeletal and Skin Diseases, Dental and Craniofacial, Neurological Disorders, Stroke, CAM**

NIH Exploratory Developmental Research Grant Program (Parent R21)
PA-10-069
National Institutes of Health (NIH)
multiple institutes
The National Institutes of Health (NIH) Exploratory/Developmental Grant (R21) funding opportunity supports the development of new research activities in categorical program areas. (Support generally is restricted in level of support and in time.) Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigators area of interest and competency. All investigator-initiated exploratory/developmental applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests. Investigators are strongly encouraged to consult the list of participating ICs and special research interests. The Exploratory/Developmental Grant (R21) mechanism is intended to encourage exploratory and developmental research projects by providing support for the early and conceptual stages of these projects. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on a field of biomedical, behavioral, or clinical research.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-069.html
Key Words**: Investigator Initiated**

Research Project Grant (Parent R01)
PA-10-067
National Institutes of Health (NIH)
multiple institutes
The Research Project Grant (R01) is an award made to an institution/organization to support a discrete, specified, circumscribed project to be performed by the named investigator(s) in areas representing the specific interests and competencies of the investigator(s). The R01 research plan proposed by the applicant institution/organization must be related to the stated program interests of one or more of the NIH Institutes and Centers (ICs) based on descriptions of their programs.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-067.html
Key Words**: Eye, Cancer, Imaging. Alcohol Abuse. Aging, Arthritis, CAM, Deafness, Dental, Diabetes, Environmental Health Sciences**

Medical Management of Older Patients with HIV/AIDS
[(R01)PA-09-0187] and [(R03) PA-09-018] or [(R21) PA-09-0189]
PA-09-017 and PA-09-018 or PA-09-019
National Institutes of Health
This funding opportunity announcement (FOA) issued by the National Institute on Aging (NIA), the National Institute of Allergy and Infectious Diseases (NIAID), the Center for Mental Health Research on AIDS of the National Institute of Mental Health (NIMH), and the National Institute of Nursing Research (NINR) encourages Research Project Grant (R01) applications that address clinical and translational medical issues in the diagnosis and/or management of HIV infection and its consequences in older persons.
Amount: $2,500,000
LOI: N/R

Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-017.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-018.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-019.html
Key Words: **HIV/AIDS, HIV, Aging**

Integrative Systems Biology Approaches to Auditory Hair Cell Regeneration [(R21) PA-08-176] and [(R01) PA-08-177]
PA-08-176 and PA-08-177
National Institute on Deafness and Other Communication Disorders
The National Institute on Deafness and Other Communication Disorders (NIDCD) invites grant applications using comprehensive systems biology approaches intended to restore lost auditory hair cells and their sensory function following damage to the inner ear from a variety of factors including disease, aminoglycosides, noise, and aging.
Amount: $500,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-176.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-177.html
Key Words: **Auditory Hair Cells, Hearing Loss**

Transdisciplinary Research on Fatigue and Fatigability in Aging (R21) [PA-08-161]
Transdisciplinary Research on Fatigue and Fatigability in Aging (R21) [PA-08-162]
PA-08-161 and PA-08-162
National Institute on Aging
National Cancer Institute
National Institute of Nursing Research
Office of Dietary Supplements
Office of Research on Women's Health
The purpose of this funding opportunity announcement (FOA) is to encourage submission of exploratory or developmental research applications on fatigue and fatigability in aging. This FOA is intended to promote research studies employing transdisciplinary approaches that could lead to increased understanding of mechanisms contributing to, assessment of, or potential interventions for, increased fatigue or fatigability in older persons. This FOA is soliciting applications of an exploratory or developmental nature in order to stimulate new ideas, techniques, or approaches. Applications responsive to this announcement are not required to contain preliminary data, though such data may be included if available. Both animal models and humans are appropriate for study under this FOA.
Amount: limited to $275,000 over an R21 two-year period,
LOI: N/R
Deadline: multiple dates, see announcement
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-161.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-162.html
Key Words:

Paul B. Beeson Patient-Oriented Research Career Development Award in Aging (K23)
RFA-AG-10-011
National Institute on Aging (NIA)
National Institute of Mental Health (NIMH)
National Institute of Neurological Disorders and Stroke (NINDS)
Office of Dietary Supplements (ODS)
This program provides three to five years of mentored career development support to clinically trained faculty members in strong research environments who have made a commitment to focus their research endeavors on patient-oriented research. The award will enable them to gain skills and experience in aging research under the guidance of a mentor or mentors, and to establish an independent program of research in this field. Clinically trained professionals or individuals with a clinical degree who are interested in further career development in biomedical research that is not patient-oriented should refer to the Paul B. Beeson Clinical Scientist Career Development Award in Aging (K08) [AG-10-010].The program also includes an annual meeting that allows opportunities to partner with national mentors and fellow awardees.
Amount: $800,001
LOI: December 14, 2010
Deadline: January 14, 2011
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-10-011.html
Key Words: **Clinical, Aging**

Renal Function and Chronic Kidney Disease in Aging (R01) and (R21)

PA-09-165 and PA-09-166
National Institute on Aging (NIA)
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
This Funding Opportunity Announcement (FOA) issued by the National Institute on Aging (NIA) and the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health, invites applications that propose basic, clinical, and translational research on chronic kidney disease (CKD) and its consequences in aging and in older persons. Applications should focus on the 1) biology and pathophysiology of CKD in animal models; 2) etiology and pathophysiology of CKD in the elderly; 3) epidemiology and risk factors for the development of CKD with advancing age; and/or 4) diagnosis, medical management and clinical outcomes of CKD in this population. Research supported by this initiative should enhance knowledge of CKD and its consequences in the elderly and provide evidence-based guidance in the diagnosis, prevention, and treatment of CKD in older persons.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-165.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-166.html
Key Words**: Kidney Disease, Diabetes, Aging**

Critical Illness and Injury in Aging (R03), (R01) and (R21)
PA-10-043 and PA-10-042 and PA-10-044
National Institute on Aging (NIA)
National Heart, Lung, and Blood Institute (NHLBI)
National Institute on Nursing Research (NINR)
This FOA encourages Small Research Project Grant (R03) applications proposing to study mechanisms and management of critical illness and injury in aging. Studies may be mechanistic, observational, or interventional in nature. Secondary analyses of existing datasets, such as from large observational studies or clinical trials, may be proposed. Animal studies are appropriate in cases where human studies are not feasible.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-043.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-042.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-044.html
Key Words**: Injury, Aging**

Bioenergetics, Fatigability, and Activity Limitations in Aging (R01) and (R21) and (R03)
PA-09-190
National Institute on Aging (NIA)
National Heart, Lung, and Blood Institute (NHLBI)
National Institute of Nursing Research (NINR)
Office of Research on Women's Health (ORWH)
Office of Dietary Supplements (ODS)
This FOA issued by the National Institute on Aging (NIA), the National Heart, Lung, and Blood Institute (NHLBI), the National Institute of Nursing Research (NINR), the Office of Research on Women's Health (ORWH), and the Office of Dietary Supplements (ODS). encourages Research Project Grant (R01) applications proposing to study bioenergetic factors underlying increased fatigability and activity limitations in aging. Increased fatigability is a significant cause of restricted physical and cognitive activity in older adults. Alterations in bioenergetics—the production and utilization of energy, and the regulation of these processes—may contribute significantly to increased fatigability. This FOA encourages applications that propose to 1) elucidate specific alterations in bioenergetics related to increased fatigability and activity limitations; 2) develop and evaluate improved measures of fatigability related to bioenergetics; 3) evaluate interventions for increased fatigability and activity limitations that target alterations in bioenergetics and lead to improved quality of life.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-190.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-191.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-192.html
Key Words**: Aging, Fatigability, Bioenergetics**

Aging Studies in the Pulmonary System (R01)
PA-10-179
National Institute on Aging (NIA)
National Heart Lung and Blood Institute (NHLBI)

The National Institute on Aging (NIA) and the National Heart Lung and Blood Institute (NHLBI) invite research project grant applications that explore age-associated changes in pulmonary physiology, pathology and function, and their relationship to respiratory conditions and diseases that occur commonly in older populations. The goal of this FOA is to support basic, clinical and translational research to address physiological mechanisms underlying progressive functional declines in the pulmonary system. This research will likely enhance our basic understanding of molecular and cellular aspects of pulmonary aging, which may translate into improvements in the prevention and management of pulmonary diseases in older persons. Projects involving in vitro studies, animal models, and/or human subjects are of significant interest to NIA and NHLBI.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-179.html
Key Words**:**

Mechanisms Underlying the Links between Psychosocial Stress, Aging, the Brain and the Body (R01)
PA-09-216
National Institute on Aging (NIA)
National Cancer Institute (NCI)
National Institute of Mental Health (NIMH)
This FOA encourages multidisciplinary and interdisciplinary research to elucidate the mechanistic links between psychosocial stress and health in aging, as well as how the aging process and age-related diseases affect the responses to psychosocial stressors. Generally, research should be focused on (1) aging and how neural mechanisms respond to psychosocial stress and affect other body systems, (2) characterizing the behavioral, psychological and social mechanisms and pathways involved in transducing psychosocial stressors into health outcomes, (3) how stressors modulate physiological process underlying life-span, immune mechanisms, and metabolism, and (4) how psychosocial stress contributes to the development or progression of geriatric syndromes, chronic medical conditions, and disabilities in later life. Research is strongly encouraged that aims to identify appropriate targets for intervention, at any level of analysis, from societal to molecular. Research spanning multiple levels of analysis is particularly encouraged. Research focused on oxidative stress or on environmental or physical stressors of a non-psychosocial nature is not appropriate to this FOA.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-216.html
Key Words**: Psychosocial Tress, Geriatrics, Aging**

Identification and Characterization of Molecular Targets Within the mTOR Pathway With Potential to Impact Healthspan and Lifespan (R21)
PA-10-164
National Institute on Aging (NIA)
National Cancer Institute (NCI)
This FOA issued by the National Institute on Aging and the National Cancer Institute encourages grant applications focused on: 1) identifying novel targets within the mTOR (mammalian target of rapamycin) signaling network, the manipulation of which has the potential to promote healthy aging, i.e. extend health span in the aged (NIA interest); and 2) identifying and characterizing dietary constituents that modulate the mTOR pathway and promote cancer prevention (NCI interest). Identification and characterization of targets can utilize a wide range of approaches, including medicinal chemistry, in vitro assays, and studies in lower organisms or mammalian models.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-164.html
Key Words**: Rapamycin, mTOR, Signaling Pathways, Dietary Modifiers of mTOR**

Archiving and Development of Social-behavioral Datasets in Aging Related Studies (R03)
PA-08-252
National Institute on Aging (NIA)
This Funding Opportunity Announcement (FOA), issued by the National Institute on Aging (NIA) is seeking small grant (R03) applications to stimulate and facilitate data archiving and development related to cognitive psychology, behavioral interventions in the context of randomized controlled trials (RCTs), demography, economics, epidemiology, behavioral genetics and other behavioral research on aging for secondary analysis.
Amount: $100,000
LOI: N/R
Deadline: Standard dates apply

To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-252.html
Key Words**: Aging, Databases**

Secondary Analyses of Existing Data Sets and Stored Biospecimens to Address Clinical Aging Research Questions (R01)
PA-09-265
National Institute on Aging (NIA)
The National Institute on Aging (NIA) invites applications to support short term projects involving secondary analysis of existing data sets or stored biospecimens, to address clinically-related issues on aging changes influencing health across the life span, and/or on diseases and disabilities in older persons.
Amount: $750,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-265.html
Key Words**: Secondary Analysis, Aging**

Translational Research at the Aging/Cancer Interface [(R01) PA-08-230] [(R21) PA-08-231]
PA-08-230 and PA-08-231
National institute on Aging (NIA)
This Funding Opportunity Announcement (FOA) issued by the National Institute on Aging, National Institutes of Health, encourages research grant applications from institutions/organizations that propose translational research in the overlapping areas of human aging and cancer, linking basic and clinical research relevant to the care of older cancer patients through both "bench to bedside" and "bedside to bench" approaches. Ultimately, information from the research supported by this initiative should improve the health and well-being of elderly patients at risk for, or diagnosed with, cancer and decrease the functional impairment and morbidity associated with cancer in this population.
Amount: $350,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-230.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-231.html
Key Words**: Aging, Cancer**

Mechanisms, Measurement, and Management of Pain in Aging: from Molecular to Clinical (R01), (R21) and R03)
PA-09-193, PA-09-194 and PA-09-195
National Institute on Aging (NIA)
This FOA encourages Research Project Grant (R01) applications from institutions/organizations that propose to (1) study biological, neurobiological, psychosocial, and clinical mechanisms and processes by which aging and/or age-related diseases affect the experience of pain, (2) examine biological, neurobiological, psychosocial, and clinical factors that impact pain experience and prevalence in older people, (3) evaluate existing pain assessment and/or management approaches in older adults, or (4) develop new assessment methods and/or management strategies for pain with particular attention to the needs of older adults. Studies involving animal models or human subjects are appropriate under this program announcement.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-193.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-194.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-195.html
Key Words**: Aging, Pain Management**

Request for Information (RFI): Large Scale Clinical Trials on Aging
NOT-AG-10-005
National Institute on Aging (NIA)
The Division of Geriatrics and Clinical Gerontology (DGCG) at the National Institute on Aging (NIA) supports clinical trials on topics relating to aging and the elderly. Researchers with interest in trials whose direct costs are less than $2 million per year are encouraged to contact the Clinical Trials Branch staff at gcgquery@mail.nih.gov. DGCG also invites suggestions from the scientific community regarding needs for large (over $2 million direct and/ or over $3 million total costs per year) clinical trials in topic areas relevant to DGCG's mission. NIA will use your suggestions in its planning process to select high priority topic areas in which significant existing knowledge indicates the need for large clinical trials to provide more definitive information on risks and benefits of interventions for diseases and conditions in the elderly.

Amount:
LOI:
Deadline: Respond by September 3, 2010
To learn more: http://grants.nih.gov/grants/guide/notice-files/NOT-AG-10-005.html
Key Words: **Geriatrics, Clinical Gerontology, Clinical Trials, Age-Related Decline, Age-Related Conditions, Interventions**

The Role of Apolipoprotein E, Lipoprotein Receptors and CNS Lipid Homeostasis in Brain Aging and Alzheimer's Disease (R01)

PA-09-217
National Institute on Aging (NIA)
This FOA encourages multidisciplinary and interdisciplinary research to elucidate how Apolipoprotein E, lipoprotein receptors and CNS lipid homeostasis influence brain aging and the transition to neurodegeneration in Alzheimer's disease (AD). The ultimate goal is to gain an in depth understanding of the mechanisms by which the Apolipoprotein E e4 allele confers increased AD risk for the purpose of advancing the overall search for efficacious AD treatments and Apolipoprotein E e4-directed therapeutics in particular. To this end we encourage research spanning multiple levels of analysis in multiple species (from mice to man). Studies aimed at identifying new therapeutic targets for the treatment of AD and other age-related neurodegenerative conditions associated with lipid neurobiology are strongly encouraged. Also of great interest are projects that aim to use lipidomics, various types of imaging and other cutting edge technologies to identify and develop early biomarkers of neurodegeneration associated lipid dyshomeostasis.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-217.html
Key Words: **Apolipoprotein, Alzheimer's Disease**

Clinical Trial Planning Grants for Critical Illness and Injury in Aging (R34)

PA-10-045
National Institute on Aging (NIA)
This FOA issued by the National Institute on Aging encourages Clinical Trial Planning Grant (R34) applications to develop research protocols for Phase III and IV clinical trials related to critical illness and injury in aging. The planning grant mechanism is intended to permit early peer review of the rationale and design of the proposed Phase III or IV clinical trial, and to support development of a research team, tools for data management and research oversight, recruitment strategies, detailed protocol and Manual of Procedures (MOP), and other essential components necessary for a competitive clinical trial application. This FOA is NOT designed for collecting preliminary data or conducting pilot studies in support of the scientific rationale for a clinical trial.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-045.html
Key Words: **Injury, Aging**

Secondary Analyses of Social and Behavioral Datasets in Aging (R03)

PA-10-139
National Institute on Aging (NIA)
This Funding Opportunity Announcement (FOA), issued by the National Institute on Aging (NIA), is seeking small grant (R03) applications to conduct secondary analysis of social and behavioral data in aging. Specifically, NIA seeks applicants to: 1) stimulate and facilitate secondary analysis of data related to dynamics of health and disability, cognition, psychosocial and sociodemographic factors, genetics, and biomarkers, long term care, caregiving, behavioral medicine, retirement, economic status; 2) provide support for preliminary projects using secondary analysis that could lead to subsequent applications for other research grant award mechanisms; 3) provide support for analyses of new databases and experimental modules for purposes such as informing the design and content of future study waves; and 4) provide support for pilot research on under-utilized databases.
Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-139.html
Key Words: **Aging, Secondary Analysis, Existing Databases**

Aging Research Dissertation Awards to Increase Diversity (R36)

PAR-08-250
National Institute on Aging (NIA)

The National Institute on Aging (NIA) announces the reissuance of a Funding Opportunity Announcement (FOA) that provides dissertation awards (R36) in all areas of research within NIA's mandate to increase diversity of the research workforce on research on aging and aging-related health conditions. These awards are available to qualified Predoctoral students in accredited research doctoral programs in the United States (including Puerto Rico and other U.S. territories or possessions).
Amount: $250,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-250.html
Key Words**: Geriatrics, Gerontology**

Alzheimer's Disease Drug Development Program (U01)

PAR-08-266
National Institute on Aging (NIA)
The objective of this solicitation is to stimulate research in the pre-clinical development and testing of novel therapeutic compounds aimed at slowing, halting, or reversing the progressive decline in cognitive function and modifying the behavioral symptoms in Alzheimer's disease (AD); or delaying the onset of or preventing AD, mild cognitive impairment (MCI), or age-related cognitive decline. This initiative is intended to stimulate activities focused on providing sufficient data to submit an Investigational New Drug (IND) application to the Food and Drug Administration to begin human clinical testing of potential new therapies. For this program neither mechanistic/basic studies nor clinical trials will be supported; only applications to develop a therapy will be accepted.
Amount: $4,000,000
LOI: September 1, 2010, October 1, 2010, January 3, 2011, February 1, 2011, September 1, 2011 and October 3, 2011. (Note: The October and February letters of receipt dates are for amended applications only).
Deadline: October 1, 2010, November 1, 2010, February 1, 2011, March 1, 2011, October 1, 2011 and November 1, 2011. (Note: The November and March receipt dates are for amended applications only).
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-266.html
Key Words**: Alzheimer's Disease, Cognitive Function, Cognitive Impairment**

Promoting Careers in Aging and Health Disparities Research (K01)

PAR-09-136
National Institute on Aging (NIA)
The purpose of this F0A, "Promoting Careers In Aging and Health Disparities Research (K01)" is to provide support and protected time to eligible individuals who have been determined by the grantee institution to be committed to a career in health disparities research related to aging and who are members of or knowledgeable about health disparity population groups. Nationally, health disparity population groups include but are not limited to African Americans, Hispanic Americans, American Indians/Alaska Natives, Native Hawaiians, Pacific Islanders, the medically underserved, low socioeconomic populations and rural populations.
Amount: $750,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-136.html
Key Words**: Aging, Community Health, Rural Health, Health Disparities**

Research on Clinical Decision Making in People with or at Risk for Life-Threatening Illness (R01) and (R21)

PA-09-122 and PA-09-121
National Institute of Nursing Research (NINR)
National Cancer Institute (NCI)
This funding opportunity announcement (FOA) issued by the National Institute of Nursing Research (NINR) and the National Cancer Institute (NCI), National Institutes of Health, seeks to stimulate research on the decision-making processes made by persons at risk for and those faced with life-threatening illness. These illnesses are ones that almost always lead to death in a fairly short period of time if left untreated, but may be chronic or even cured if dealt with early in the disease process. An example of a life-threatening illness that may be chronic for some years would be HIV infection when treated. An example of a life-threatening illness that may be cured in its early stages would be breast cancer. Decision-making can occur from the point of adopting preventive behaviors through the end of life. Examples of such decisions could include participating in an HIV vaccine clinical trial, testing for genetic disorder, choosing a treatment intervention vs. watchful waiting (as in early stage prostate cancer), choosing a treatment intervention among several options, joining a therapeutic clinical trial, or making end-of-life care decisions.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-122.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-121.html
Key Words**: Nursing Research, Cancer Control, Life-Threatening Decision Making Caregivers, Palliative Care**

Mouse Models Containing Human Alleles: Novel Tools to Study Brain Function (R21/R33)
PAR-08-158
National Institute of Mental Health
National Institute on Aging
National Institute on Alcohol Abuse and Alcoholism
National Institute on Drug Abuse
This Funding Opportunity Announcement invites Phased Innovation (R21/R33) grant applications from organizations /institutions that propose the development and characterization of novel mouse models that express human genes or human genetic elements that can aid in understanding the molecular mechanisms underlying brain function and the physiological function/significance of gene variants and gene dosage abnormalities that have been identified as possibly being involved in mental disorders, addiction, neurodegenerative disorders of aging, and alcoholism as well as related comorbid conditions
Amount: $150,000
LOI: 30 days prior to application receipt date
Deadline: multiple dates (January 28, 2011)
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-158.html
Key Words**: Animal Models**

Brain Disorders in the Developing World: Research Across the Lifespan (R01)
PAR-08-112 and PAR-08-113
Fogarty International Center (FIC)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Institute on Drug Abuse (
This Funding Opportunity Announcement (FOA) encourages grant applications proposing the development and conduct of innovative, collaborative research and research training projects, between High Income country (HIC) and low- to middle-income country (LMIC) scientists, on nervous system function and disorders throughout life, relevant to LMICs. The collaborative research programs are expected to contribute to the long-term goals of building sustainable research capacity in LMICs to address nervous system development, function and impairment throughout life and to lead to diagnostics, treatment and prevention strategies that are applicable worldwide. -Mechanism of Support. This FOA will utilize the NIH Research Project Grant (R01) award mechanism and runs in parallel with an FOA of identical scientific scope, PAR-08-113, that encourages applications under the Exploratory/Developmental Grant (R21) award mechanism.
Amount: varies
LOI: April 16, 2010
Deadline: May 14, 2010 (August 23, 2010 for AIDS applications)
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-112.html and http://grants.nih.gov/grants/guide/pa-files/PAR-08-113.html
Key Words**:**

Development and Characterization of Animal Models for Aging Research (R01) and (R21)
PA-10-014 and PA-10-015
Development and Characterization of Animal Models for Aging Research (R01)
The purpose of this announcement is to describe areas of research of particular interest to the National Institute on Aging. This FOA seeks to promote research that develops, characterizes, refines and enhances model systems for aging research, including but not limited to animal models, cell lines, and informatics. This FOA issued by the National Institute on Aging, National Institutes of Health, encourages Research Project Grant (R01) applications that propose to: characterize aging at the physiological, biochemical and functional levels in existing animal models, including but not limited to animal models currently used in other scientific fields that have potential to benefit aging research; develop new animal models for aging research; develop unique cell lines for aging research; use comparative biology to identify models of highest priority for aging research; or develop informatics that enhance the utilization of animals for aging research.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-014.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-015.html
Key Words**: Animal Models, Aging, Geriatric**

Heart and Vascular

Heart Failure Clinical Research Network Coordinating Center (U10)
Regional Clinical Centers (RCCs) (U10)

New

RFA-HL-12-002 and RFA-HL-12-001
National Heart, Lung, and Blood Institute (NHLBI)
The purpose of this solicitation is to request new applications for participation in continuation of the Heart Failure Clinical Research Network as the combined Data Coordinating Center/Clinical Coordinating Center (CC). A separate solicitation (RFA-HL-12-001) seeks applications for the Regional Clinical Centers (RCCs). The original Network was established to provide a mechanism to expedite clinical research that evaluates strategies to diagnose, manage and treat all forms of heart failure (HF). The renewal program will continue to provide support to develop, coordinate, and conduct multiple collaborative randomized clinical trials (RCTs) to improve HF outcomes. The focus is on small to intermediate-sized concurrent RCTs that can be completed within 2-5 years and the program is not designed to fund large, Phase III definitive studies. Proposed studies should provide clinically relevant pathophysiologic information and move the field of HF treatment forward. The Coordinating Center of the Network leads and manages all aspects of these RCTs, including those of a Data Coordinating Center, as well as those of a Clinical Coordinating Center. The two functions (Data Coordination and Clinical Coordination) should be performed at the same institution. A Multiple PI structure to facilitate implementation of all CC functions is highly encouraged. The solicitation is open to new and currently participating centers.
Amount: up to $33,600,000
LOI: November 1, 2010
Deadline: December 1, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-12-002.html
Key Words**:**

Transatlantic Networks of Excellence in Cardiovascular and Neurovascular Research

New

Foundation Leducq
Foundation Leducq is a French non-profit health research foundation, the mission of which is to improve human health through international efforts to combat cardiovascular disease. To this end Foundation Leducq has created the Transatlantic Networks of Excellence in Cardiovascular Research Program, which is designed to promote collaborative research involving centers in North America and Europe in the areas of cardiovascular and neurovascular disease. The principal aims of this program are to develop international cardiovascular and neurovascular research networks which benefit from a demonstrable collaborative advantage; to advance science in the areas of cardiovascular and neurovascular disease; to apply the knowledge gained through research by promoting the development of technology and therapeutics to improve human health; and to support the career development of young investigators in cardiovascular and neurovascular disease.
Amount: $6,000,000
LOI: September 15, 2010
Deadline: February 2011
To learn more**:** http://www.flcq.org/modules.php?op=modload&name=News&file=article&sid=76
Key Words**:**

Angiogenesis in the Nervous System in Health and Disease
(R01) [PA-08-015] and (R21) [PA-08-016]

PA-08-015 and PA-08-016
NIH
This Funding Opportunity Announcement (FOA) is a program announcement (PA) issued by the National Institute of Neurological Disorders and Stroke (NINDS), the National Eye Institute (NEI), the National Institute on Aging (NIA), the National Cancer Institute (NCI), and the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health (NIH). The aim of this FOA is to invite applications to study angiogenesis in the nervous system. Specific areas of research this FOA seeks to encourage include study of the mechanisms controlling angiogenic responses to physiological and pathological stimuli, the development and patterning of nervous system vasculature, and the etiology of disorders affecting development and/or ongoing angiogenesis in nervous system vasculature.
Amount: unspecified
LOI: N/R
Deadline: Multiple dates, see announcement
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-015.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-016.html
Key Words**:**

Non-Invasive Methods for Diagnosis and Progression of Diabetes, Kidney, Urological, Hematological and Digestive Diseases and Hypertensive Disorders (R01)

PA-09-181

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Heart Lung and Blood Institute (NHLBI)
This Funding Opportunity Announcement (FOA) is a call for the application of imaging and other non- or minimally-invasive technologies to detect, characterize, diagnose, identify persons with predisposition to, or monitor treatment of diseases of interest to the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the National Heart Lung and Blood Institute (NHLBI) of the National Institutes of Health (NIH). Also needed are new, robust surrogate markers for clinical trial endpoints, and new ways to characterize normal and pathological tissues in vivo. Diseases of interest include type 1 and 2 diabetes; acute and chronic kidney disease, liver, urologic, hematologic, digestive, endocrine, and metabolic diseases and their complications; obesity; obesity-related hypertension, hypertension, renal and vascular disorders leading to hypertension. Applicable techniques include molecular imaging and functional imaging approaches, imaging methods with high spatial, chemical or time resolution, metabolomics, proteomics, genomics, or new spectroscopic or sensor array technologies for monitoring metabolic or physiological events.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-181.html
Key Words**: Diabetes, Kidney Disease, Type I, Type II**

Nutrition and Physical Activity Research to Promote Cardiovascular and Pulmonary Health (R01) and (R21)

PA-09-243 and PA-09-244
National Heart, Lung, and Blood Institute (NHLBI)
National Center for Complementary and Alternative Medicine (NCCAM)
National Institute of Nursing Research (NINR)
This FOA encourages Research Project Grant (R01) applications that propose research on the roles of nutrition and physical activity in the development, prevention, and management of cardiovascular diseases (CVD) or pulmonary diseases. In particular, the FOA aims to (1) improve knowledge of the contribution of diet and physical activity to these conditions and how sleep influences these relationships, (2) increase the evidence base for refining public health recommendations and clinical guidelines regarding these lifestyle behaviors, and (3) develop and test strategies to improve the adoption of these recommendations.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-243.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-244.html
Key Words**: Sleep, Physical Activity, Cardiovascular Disease**

Research Dissemination and Implementation Grants (R18)

PAR-10-114
National Heart, Lung, and Blood Institute (NHLBI)
The purpose of this Funding Opportunity Announcement (FOA) is to support dissemination and implementation studies to (1) develop innovative approaches to translating efficacious treatments and effective prevention modalities for heart, lung, and blood diseases and sleep disorders to the clinic, community, and/or other real-world settings; (2) test the effectiveness, sustainability, determinants, and cost-effectiveness of these approaches in real-world settings; and (3) examine the effectiveness of interventions as they are disseminated and implemented in real-world settings to reduce risk factors for and enhance prevention and treatment of heart, lung, and blood diseases and sleep disorders. Mechanism of Support. This FOA will utilize the NIH Research Demonstration and Dissemination Project (R18) grant mechanism. Funds Available and Anticipated Number of Awards. Awards issued under this FOA are contingent upon the availability of funds and the submission of a sufficient number of meritorious applications.
Amount: varies
LOI: April 25, 2010; thirty days prior
Deadline: May 25, 2010, then standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-114.html
Key Words**: Comparative Effectiveness, Asthma, Hypertension, Blood Lipids, Smoking, Myocardial Infarction, Cerebrovascular Disease, Stroke, Sleep Apnea, Emphysema, Cystic Fibrosis, Occupational Lung Disease, Pulmonary Vascular Disease**

Directed Stem Cell Differentiation for Cell-Based Therapies for Heart, Lung, and Blood Diseases (R21)

PA-09-248
National Heart, Lung, and Blood Institute (NHLBI)
This funding opportunity announcement (FOA) encourages Exploratory/Developmental (R21) grant applications from applicant organizations that propose to define the factors and mechanisms controlling the differentiation of embryonic or adult stem or progenitor cells, either in vitro or in vivo. It is designed to stimulate new scientific advances in stem cell differentiation including technology research that may not be hypothesis driven. The long range goal of this program is the development of methods to direct the differentiation or development of stem cells along specific cell lineages to yield replacement cells for clinical use, whether the replacement cells are formed in vitro for delivery or formed in vivo in the tissue or organ environment.

Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-248.html
Key Words**: Progenitor Cells, Stem Cell Differentiation**

New Approaches to Arrhythmia Detection and Treatment (SBIR [R43/R44]) and (STTR [R41/R42])
PA-10-117 and PA-10-118
National Heart, Lung, and Blood Institute (NHLBI)
This Funding Opportunity Announcement (FOA) encourages Small Business Innovation Research (SBIR) grant applications from small business concerns (SBCs) that propose to improve our ability to detect, prevent, and treat all forms of cardiac arrhythmias. This initiative encourages SBCs to develop improved diagnostic and therapeutic tools, products, or devices for cardiac arrhythmia monitoring, detection and treatment.
Amount: up to $1,200,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-117.html
Key Words**: Cardiac Arrhythmia**

NHLBI Systems Biology Collaborations (R01)
PAR-09-214
National Heart, Lung, and Blood Institute (NHLBI)
This FOA issued by the National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose collaborative systems biology research projects by multi-disciplinary teams to advance our understanding of normal physiology and perturbations associated with heart, lung, blood, and sleep (HLBS) diseases and disorders. Multi-disciplinary expertise across experimental and computational domains is required and the multi-PI mechanism is allowed, as integration across these domains is a critical element of the proposed research plan.
Amount: varies
LOI: August 14, 2010; December 14, 2010; August 14, 2011; December 14, 2011
Deadline: September 14, 2010; January 13, 2011; September 14, 2011; January 13, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-214.html
Key Words**: Heart, Lung, Blood and Sleep Disorders**

NHLBI Clinical Trial Pilot Studies (R34)
PAR-10-005
National Heart, Lung, and Blood Institute (NHLBI)
The National Heart, Lung, and Blood Institute (NHLBI) (http://www.nhlbi.nih.gov) invites applications proposing pilot studies to obtain data that is critical for the design of robust clinical trials. This Funding Opportunity Announcement (FOA) should be used to fill gaps in scientific knowledge necessary to develop a competitive full-scale clinical trial. Appropriate pilot studies might demonstrate feasibility of an intervention or an experimental design, estimate intervention parameters, or gather other data important for the design of a trial. Applicants who propose solely to write a protocol or manual of operations or to develop infrastructure for a clinical trial will not be considered appropriate for to this announcement. Applications must demonstrate that the proposed pilot studies are both necessary and sufficient to permit the design of the clinical trial.
Amount: $450,000
LOI: 30 days prior to standard application due dates
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-005.html
Key Words**: Clinical Trials, Heart, Lung, Blood, or Sleep Disorders**

Ancillary Studies in Clinical Trials (R01)
RFA-HL-10-024
National Heart, Lung, and Blood Institute (NHLBI)
The purpose of this Funding Opportunity Announcement (FOA) is to solicit research grant applications to conduct time-sensitive ancillary studies related to heart, lung, and blood diseases and sleep disorders in conjunction with ongoing clinical trials and other large clinical studies supported by NIH or non-NIH entities. The program establishes an accelerated review/award process to support the crucial time frame in which these ancillary studies must be performed. Time-sensitive ancillary studies include those that require active longitudinal data collection and thus need to begin recruiting subjects as close as possible to the start of the parent study. The ancillary study can address any research questions related to the mission of NHLBI for which the parent study can provide participants, infrastructure, and data. The parent studies most often will be a clinical trial, but also can be an observational study or registry that can

provide a sufficient cohort of well-characterized patients. Each ancillary study application must demonstrate the time-sensitive nature of the proposal and must explicitly address why an expedited review is essential to its feasibility.
Amount: $1,000,000
LOI: August 30, 2010, December 28, 2010
Deadline: September 30, 2010, January 28, 2011
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-10-024.html
Key Words**: Clinical Trials**

MAPGen Knowledge Base (MAPGenKB) and Coordination Center (U01)

RFA-HL-11-004
National Heart, Lung, and Blood Institute (NHLBI)
The National Heart, Lung, and Blood Institute (NHLBI) encourages grant applications under this Funding Opportunity Announcement (FOA) to develop and implement a Knowledge Base (KB) and Coordinating Center for the Consortium of Cross Organ Mechanism-Associated Phenotypes for Genetic Analyses of Heart, Lung, Blood, and Sleep Diseases (MAPGen for HLBS). This is one of two FOAs for the MAPGen program. The other FOA is for the Research Centers (RCs) of MAPGen and described separately in RFA-HL-11-005. The MAPGenKB will provide logistical and informatics support for the research across all RCs in the MAPGen consortium and synthesize the knowledge from the datasets of the RCs and other sources that are relevant to the goals of the MAPGen consortium. The data and tools generated from this consortium will be made available to the broad scientific community.
Amount: $5,500,000
LOI: August 2, 2010
Deadline: September 1, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-11-004.html
Key Words**: Genetic Analyses, Informatics**

Cross Organ Mechanism-Associated Phenotypes for Genetic Analyses of Heart, Lung, Blood, and Sleep Diseases (MAPGen for HLBS) Research Centers (U01)

RFA-HL-11-005
National Heart, Lung, and Blood Institute (NHLBI)
The purpose of this FOA issued by the NHLBI, National Institutes of Health, is to invite applications to participate in the MAPGen consortium. This consortium seeks to utilize evolving knowledge of cellular and molecular networks to define common mechanism-associated traits across organ systems. The ultimate goal is to re-define disease at the level of pathogenetic mechanisms and phenotype individuals based on pathobiology, rather than clinical presentation. This approach will provide the basis for the development of mechanism-based strategies for prevention, diagnosis and treatment in individual patients. This FOA encourages applications for research centers and runs in parallel with a separate FOA that solicits applications for the MAPGen Knowledge Base and Coordination Center (MAPGenKB) (see HL-11-004).
Amount: up to $1,600,000
LOI: August 2, 2010
Deadline: September 1, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-11-005.html
Key Words**: Biomarkers, Toll-like Receptor Type 2, Asthma, Diabetes, T Regulatory Cells, PPARg, Fat Disposition, Inflammatory Cytokines, Hypertension, Dementia, Smoking, Sleep Disorders**

Investigator Initiated Multi-Site Clinical Trials (Collaborative R01)

PAR-10-096
National Heart, Lung, and Blood (NHLBI)
The purpose of this Funding Opportunity Announcement is to provide a vehicle for submitting grant applications for investigator-initiated multi-site Phase II or Phase III randomized, controlled clinical trials. The trials may address any research question related to the mission and goals of NHLBI and may test clinical or behavioral interventions.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-096.html
Key Words**: Clinical Trials**

NHLBI Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral MD/PhD Fellows (F30)

PA-09-232
National Heart, Lung and Blood Institute (NHLBI)

The National Heart, Lung, and Blood Institute (NHLBI) is interested in supporting individual predoctoral fellowships for combined MD/PhD training in research areas relevant to the mission of the NHLBI. The NHLBI mission is to provide leadership for national programs in diseases of the heart, blood vessels, lung, and blood; blood resources; and sleep disorders.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-232.html
Key Words**: MD/PhD Fellowships**

Connections for Cardiovascular Health Grant Program
AstraZeneca HealthCare Foundation
Applicant organizations should be engaged in work that addresses patient cardiovascular health issues, seeks to address an unmet need related to cardiovascular health in the community, responds to the urgency around addressing cardiovascular disease or conditions contributing to cardiovascular disease, and improves the quality of patients' and caregivers' lives in connection with the services provided and work done.
Amount: $150,000
LOI: N/R
Deadline: July 31, 2010
To learn more**:** http://foundationcenter.org/pnd/rfp/cat_health.jhtml
Key Words**:**

Predoctoral and Postdoctoral Fellowships
American Heart Association
Midwest Affiliate
Predoctoral Fellowship
Helps students initiate careers in cardiovascular or stroke research by providing research assistance and training.
Postdoctoral Fellowship
Helps a trainee initiate a career in cardiovascular research while obtaining significant research results.
Amount: unspecified
LOI: N/R
Deadline: July 27, 2010
To learn more**:** http://www.americanheart.org/presenter.jhtml?identifier=9713
Key Words**: Cardiovascular, Stroke, Fellowships**

Immunology

Rheumatic Diseases Research Core Centers (P30)
New
RFA-AR-11-001
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)
The National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS) invites applications for Research Core Centers (P30s) in rheumatic diseases. The Rheumatic Diseases Research Core Centers (RDCCs) will provide shared facilities and services to groups of established, currently funded investigators addressing scientific problems in rheumatic diseases, in order to improve efficiency, accelerate the pace of research, and ensure greater productivity.
Amount: $2,000,000
LOI: July 27, 2010
Deadline: August 27, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-AR-11-001.html
Key Words**:**

Clinical Centers for the Severe Asthma Research Program (SARP) (U10)
Clinical Coordinating Center for the Severe Asthma Research Program (SARP) (U10)
New
RFA-HL-11-018 and RFA-HL-11-030
National Heart, Lung, and Blood Institute (NHLBI)
The National Heart, Lung, and Blood Institute invites to participate as a Clinical Center in the NHLBI Severe Asthma Research Program (SARP). Accumulating evidence suggests that severe asthma is complex and phenotypically heterogeneous across individuals and

time. Not knowing the underlying mechanisms and stability of these sub-phenotypes impedes the development of effective treatments and management strategies. This phase of SARP will develop a new paradigm for understanding severe asthma and its sub-phenotypes, in children and adults, by defining disease at the molecular and cellular level longitudinally. The new SARP investigators will use mechanistic and evoked phenotype approaches to characterize developmental molecular, cellular and physiologic phenotypes in children and adults with mild to severe asthma and to further elucidate the evolving pathobiology and pathogenesis of severe asthma and its sub-phenotypes. SARP investigators will work together to identify the important research questions that require a shared longitudinal protocol which will be conducted across all participating centers and which will include common information on all SARP participants. In addition, SARP investigators will identify mechanistic research questions separate from those proposed for the shared longitudinal protocol which may be investigated using the shared protocol or in participants from one or more centers. The overall aim is to enable prediction of phenotype stability / fluctuation and pharmacologic response, and to identify novel, disease-modifying targets for treatment. This longitudinal mechanistic research approach will provide integrated understanding of the fixed and variable molecular, cellular, and pathophysiologic underpinnings of severe asthma sub-phenotypes. Cross-sectional studies or therapeutic trials are not the intent of this FOA. This program will require multidisciplinary research collaboration and partnerships between asthma clinician-scientists and scientists with expertise in areas such as immunology, pulmonary physiology, molecular genetics, molecular phenotyping, imaging, and bioinformatics. SARP will consist of up to six Clinical Centers, a Clinical Coordinating Center (CCC), and a Steering Committee. This FOA solicits applications for Clinical Centers and runs parallel with a separate FOA that solicits applications for the Clinical Coordinating Center (see RFA-HL-11-030).
Amount: $2,630,000
LOI: September 15, 2010
Deadline: October 15, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-11-018.html and http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-11-030.html
Key Words**:**

Aerospace Medicine and Human Performance Integration Research

New

BAA-09-01-RH
Air Force Research Laboratory Human Effectiveness Directorate
The Human Effectiveness Directorate of the Air Force Research Laboratory (AFRL) is soliciting white papers under this announcement for innovative technologies and scientific and programmatic services to support aerospace medicine and human performance integration research. This is a 5-year, open-ended BAA, under which the 711th Human Performance Wing seeks to identify novel medical and human systems integration research. The 711th HPW includes two Defense Health Program (DHP)-funded mission elements: (1) The United States Air Force School of Aerospace Medicine (USAFSAM), and (2) the Human Performance Integration Directorate (711th HPW/HP).
(1) The United States Air Force School of Aerospace Medicine (USAFSAM) is an international center for education, training, consultation, research and technology evaluation in hazard mitigation, public health, contingency operations, performance enhancement, human systems integration, and clinical aerospace medicine disciplines including aeromedical evacuation. (See pages 5-7 of program description.)
Some topics of interest:
rapid pathogen ID and detection
novel use of non-pharmaceutical therapeutics (probiotics, immunomodulatory nutrients?)
workplace hazards, contaminants, particulate matter
wound care/healing
infection control
organ failure
pain control
ID and surveillance of physical, chemical, infections agents
improved specimen collection, storage, shipment and/or processing
medical response capabilities and standards
medical responses to disasters centered around the interface between military and non-military responders
epidemiological studies
improved IT capability for surgical application and database management
doppler bubble and trans-esophageal echocardiograms to ID patent foramen ovale

Amount: $250,000-$500,0000
LOI: White Papers should be submitted through the UNMC Office of Research, Paula Turpen, PhD Director or Research Resources
Deadline: continuous until April 15, 2014
To learn more**:** https://www.fbo.gov/index?s=opportunity&mode=form&tab=core&id=57284ba19b9c2168128b1f62bee6b667&_cview=0
Key Words**:**

Scleroderma Foundation Research Grant

The Scleroderma Foundation
The foundation is interested in fostering development of innovative high-quality research by new and established investigators in fields related to systemic sclerosis. To accomplish this goal, two distinct research grants are offered — the Scleroderma Foundation New Investigator Grant and the Scleroderma Foundation Established Investigator Grant.
Amount: $150,000
LOI: N/R
Deadline: September 15, 2010
To learn more**:** http://www.scleroderma.org/research/researchhome.shtm
Key Words**: Scleroderma, Autoimmune Diseases**

Chronic Fatigue Syndrome: Pathophysiology and Treatment
[(R01) PA-08-246] and [(R21) PA-08-247]
PA-08-246 and PA-08-247
Office of Research on Women's Health
National Center for Complementary and Alternative Medicine
National Institute on Aging
National Institute on Alcohol Abuse and Alcoholism
National Institute of Allergy and Infectious Diseases
National Institute of Arth
This Funding Opportunity Announcement (FOA) issued by the Office of Research on Women's Health (ORWH) and co-sponsoring Institutes and Centers (ICs) of the National Institutes of Health (NIH) encourages investigator(s)-initiated applications that propose to examine the etiology, diagnosis, pathophysiology, and treatment of chronic fatigue syndrome (CFS), also known as myalgic encephalomyelitis (ME/CFS) in diverse groups and across the lifespan. Innovative applications that address gaps in the understanding of the environmental and biological risk factors, the determinants of heterogeneity among patient populations, and the common mechanisms influencing the multiple body systems that are affected in CFS are encouraged. The NIH is particularly interested in funding interdisciplinary research that will enhance our knowledge of the disease process and provide evidence based solutions to improve the diagnosis, treatment, and quality of life of all persons with CFS. This FOA will utilize the NIH Research Project Grant (R01) award mechanism and runs in parallel with a FOA of identical scientific scope, PA-08-247, that encourages applications under the NIH Exploratory/Developmental (R21) grant mechanism.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-246.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-247.html
Key Words**: Myalgic Encephalomyelitis, Chronic Fatigue Syndrome, CFS**

Enhancing Tumoricidal Activity of Natural Killer (NK) Cells by Dietary Components for Cancer Prevention (R01) [PA-08-131] and (R21) [PA-08-132]
PA-08-131 and PA-08-132
NIH
This funding opportunity announcement (FOA) is designed to stimulate research efforts aimed at establishing the physiological significance of dietary components in modulating the tumoricidal cell activity of natural killer (NK) cells for cancer prevention. The focus of research projects proposed in response to this FOA should be on defining the minimum quantity and duration of exposure to specific dietary components to modulate tumoricidal cell activity of NK cells for cancer prevention and the underlying mechanism(s) accounting for this response. Proposed projects must include animal and/or human investigations to be considered responsive to this announcement. Highly purified populations of immune cells, specific tumor cells such as RMA-S that lack class I MHC expression, target cell-free system, or single-cell assays may be used to define the molecular basis for the diet-induced changes in tumoricidal activity. However, the in vitro studies are only to be used to support in vivo studies and should not constitute the primary focus of the application. Molecular targets for food components may be examined at the sites of the tumoricidal cell receptors and cancer cell specific ligands, the output of tumoricidal cytokines (e.g., IFN-g), and the release of lytic granules such as a granulysin, perforin, and serine proteases (granzymes).
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-131.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-132.html
Key Words**:**

Unique Interactions Between Tobacco Use and HIV/AIDS
[(R01) PA-08-253] and [(R03) PA-08-254]
PA-08-253 and PA-08-254
National Institute on Drug Abuse (NIDA)

Fogarty International Center (FIC)
The purpose for this FOA issued by the National Institute on Drug Abuse and the Fogarty International Center encourages Research Project Grant (R01) applications from institutions/organizations that propose to stimulate research related to the unique, interactive health effects of cigarette smoking and HIV/AIDS.
Amount: unspecified
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-253.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-254.html
Key Words**: Smoking, AIDS/HIV**

Mechanisms of Alcohol-Induced Tissue Injury (R01)

PA-08-164
National Institute on Alcohol Abuse and Alcoholism
National Heart, Lung, and Blood Institute
The National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Heart Lung and Blood Institute (NHLBI), National Institutes of Health (NIH), solicit the submission of investigator-initiated research grant applications to support research investigating the Mechanisms of Alcohol Induced Tissue Injury in diverse groups and across the life span.
Amount: $250,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-164.html
Key Words**: Alcohol, Tissue Damage, Alcohol Disease**

Erythropoiesis: Components and Mechanisms (R01)

PA-09-255
National Institute of Diabetes and Digestive and Kidney Diseases
National Heart, Lung, and Blood Institute (NHLBI)
National Institute on Aging (NIA)
This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) the National Institute of Aging (NIA), and the National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health, encourages investigator-initiated R01 applications that propose hypothesis-driven research using erythroid cells. The aim of this program is to support research efforts towards a complete description of the molecular and cellular components of erythropoiesis and how these components contribute to erythropoiesis. Components include genes that are expressed (transcriptome) in erythroid cells, either during development or during differentiation, and the proteins (proteome) that are translated in erythroid cells, especially with post-translational modifications or subcellular localizations that are unique to erythroid cells. A long range goal of this program is to generate a concise description of erythropoiesis that unifies genetics, molecular processes and cytokine determinants in the erythroid lineages so that new therapeutics may be developed to measure and combat anemia.
Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-255.html
Key Words**: Erythropoiesis**

Investigations on Primary Immunodeficiency Diseases (R01)

PAR-08-206
National Institute of Allergy and Infectious Diseases (NIAID)
The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Institute of Neuro
This FOA to supports applications from institutions/organizations that propose innovative investigations in primary immunodeficiency diseases with a focus on ex vivo studies with human specimens and on studies with existing or new animal models. This FOA will also support novel clinical strategies, not including clinical trials, to detect primary immunodeficiency diseases, to identify the molecular basis of these diseases, and to develop innovative therapies for primary immunodeficiency diseases. Investigators who have no prior history of receiving independent NIH funding in this field are encouraged to apply.
Amount: unspecified
LOI: 30 days prior to submission
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-206.html
Key Words**: Immunodeficiency Diseases**

Small Grants on Primary Immunodeficiency Diseases (R03) and (R21)
PA-10-147 and PA-10-148
National Institute of Allergy and Infectious Diseases (NIAID)
National Institute of Child Health and Human Development (NICHD)
The purpose of this Funding Opportunity Announcement (FOA) is to support small grants in primary immunodeficiency diseases focusing on ex vivo studies with human specimens and on studies with current or new animal models, including novel clinical strategies for detecting, identifying the molecular basis of, or developing innovative therapies for primary immunodeficiency diseases.
Amount: $50,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-147.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-147.html
Key Words**: Animal Models of Immunodeficiency Diseases**

Mechanisms and Prevention of Sexual Transmission of HIV/SIV (R01)
RFA-AI-10-001
National Institute of Allergy and Infectious Diseases (NIAID)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), solicits Research Project Grant (R01) applications to enhance the understanding of early events in mucosal transmission of HIV/SIV leading to the discovery of novel mechanism(s) of virus transmission, host cell-virus interaction and to advance new concepts for HIV prevention strategies/approaches. The emphasis of this FOA is discovery research focused on acquiring novel insights that may lead to the development of new conventional or outside-the-box approaches to vaccines and non-vaccine biomedical prevention strategies for optimizing mucosal protection against HIV/SIV. Investigators new to the HIV field and established HIV investigators are encouraged to apply.
Amount: $1,750,000
LOI: June 18, 2010
Deadline: July 19, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-10-001.html
Key Words**: HIV/SIV, Viral Transmission**

Amendment: PAR-08-206 Investigations on Primary Immunodeficiency Diseases (R01) to Accept Renewals and Update Contact Information
NOT-AI-10-012
National Institute of Allergy and Infectious Diseases (NIAID)
The purpose of this Notice is to announce two changes in PAR-08-206 entitled "Investigations on Primary Immunodeficiency Diseases (R01) http://grants.nih.gov/grants/guide/pa-files/PAR-08-206.html:
NIAID is now allowing renewals and resubmissions to this FOA. If a “resubmission” application is submitted, a one-page “Introduction” is required addressing the previous peer review critique.
A new IC contact is being identified.

New contact information:
David R. Johnson, Ph.D.
Division of Allergy, Immunology and Transplantation
National Institute of Allergy and Infectious Diseases
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All other aspects of this FOA remain unchanged.
Amount:
LOI:
Deadline: Release Date March 11, 2010
To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-AI-10-012.html
Key Words**: Immunodeficiency Diseases**

NIAID Clinical Trial Planning Grant (R34), (U01) and (R01)
PAR-10-185 and PAR-10-186 and PAR-10-184
National Institute of Allergy and Infectious Diseases (NIAID)

This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID) invites applications that propose the complete planning, design, and preparation of documentation necessary for implementation of investigator-initiated clinical trials. The trials must be hypothesis-driven, milestone-defined, related to the research mission of the NIAID and considered high priority by the Institute. Investigators are encouraged to visit the NIAID website for additional information about the research mission and high-priority research areas of the NIAID http://www3.niaid.nih.gov/about/whoWeAre/planningPriorities/.)
Amount: varies with award mechanism
LOI: N/R
Deadline: July 22, 2010, September 13, 2010, January 13, 2011, May 13, 2011, September 13, 2011, January 13, 2012, May 14, 2012, September 13, 2012, January 14, 2013
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-185.html and http://grants.nih.gov/grants/guide/pa-files/PAR-10-186.html and http://grants.nih.gov/grants/guide/pa-files/PAR-10-184.html
Key Words**: Asthma and Allergies, Autoimmune Diseases, Insulin Dependent Diabetes, Systemic Lupus Erythematosus, Rheumatoid Arthritis, Multiple Sclerosis, Graft Rejection, AIDS, Tuberculosis, TB, Malaria, Influenza, Hepatitis, Emerging Infections, Bioterrorism, Transplantation and Immune Tolerance**

Consortia for AIDS Vaccine Research in Nonhuman Primates (P01)

RFA-AI-10-004
National Institute of Allergy and Infectious Diseases (NIAID)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institute of Health (NIH), solicits applications that propose to establish a collaborative, multidisciplinary research program to investigate viral and host events that occur at the earliest stages of mucosal infection of nonhuman primates (NHP) with simian immunodeficiency virus (SIV), and to identify vaccines and vaccine-induced immune responses that can block initial infection, prevent establishment of systemic infection, or significantly reduce pathogenic effects of SIV infection.
Amount: $25,000,000
LOI: October 1, 2010
Deadline: November 3, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-10-004.html
Key Words**: Primates, HIV, SIV**

Immune Defense Mechanisms at the Mucosa Cooperative Study Group (U01)

RFA-AI-10-008
National Institute of Allergy and Infectious Diseases (NIAID)
The National Institute of Allergy and Infectious Diseases (NIAID) invites applications from institutions/organizations to participate in a cooperative study group focused on immune defense mechanisms and immune regulation at mucosal surfaces including respiratory, gastrointestinal and urogenital tract mucosa. The goal is to break new ground in the understanding of basic mucosal immune defense mechanisms by introducing new ideas, approaches and technologies that address the difficult questions remaining in mucosal immune defense. The knowledge gained would facilitate future development of vaccines and immunotherapies to protect mucosal surfaces from infection and related immunopathologies. The cooperative study group will be composed of a set of cooperative agreement grants governed by a Steering Committee, and will draw upon an Infrastructure and Opportunities Fund to support a range of innovative, collaborative, and pilot/feasibility projects. NIAID encourages submissions from established and new investigators; applicants without a prior track record of funding in mucosal immunity are welcome to apply.
Amount: $1,250,000
LOI: September 22, 2010
Deadline: October 22, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-10-008.html
Key Words**:**

Integrated Preclinical/Clinical AIDS Vaccine Development Program (IPCAVD) (U19)

PAR-10-161
National Institute of Allergy and Infectious Diseases (NIAID)
The goal of this Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID) is to facilitate the translation of innovative and promising basic science-derived vaccine concepts for prophylactic HIV vaccines to initial clinical trials by providing the critical resources necessary for achieving this goal. The Integrated Preclinical/Clinical AIDS Vaccine Development Program (IPCAVD) is a mechanism that enables investigators to conduct clinical research studies aimed at addressing specific scientific questions and vaccine concepts most appropriately tested in humans. To fulfill this goal, an IPCAVD award is intended to provide assistance to meritorious competitive projects in 3 areas: (1) support for basic hypothesis-driven science to advance development of the vaccine concept by facilitating non-human primate (NHP) proof-of-concept studies and down-selection to the best lead candidate; (2) access to resources for determining whether the vaccine concept is clinically feasible by determining whether a candidate vaccine successfully addresses FDA requirements for performing clinical testing, by determining the feasibility of

manufacturing cGMP lots of the vaccine and by determining vaccine safety by conducting the required toxicology and pharmacology safety studies; and (3) support for the initial human clinical study central to addressing the proposed scientific question.
Amount: $12,500,000
LOI: October 8, 2010; October 7, 2011; October 9, 2012
Deadline: March, 2011, 2012, 2013
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-161.html
Key Words**: Vaccine Trials, HIV/AIDS**

Amyotrophic Lateral Sclerosis Research Program (ALSRP)
[Therapeutic Development Award; Therapeutic Idea Award]
W81XWH-10-ALSRP-TDA
W81XWH-10-ALSRP-TIA
DOD
Congressionally Directed Medical Research Programs (CDMRP)
The FY2010 Amyotrophic Lateral Sclerosis Research Program (ALSRP) promotes the introduction of improved therapies for ALS by encouraging ALS investigators to undertake preclinical studies of novel and existing agents.
Amount: varies with award; up to $1,500,000
LOI: May 14, 2010
Deadline: August 4, 2010
To learn more**:** http://cdmrp.army.mil/funding/alsrp.htm
Key Words**: ALS, Preclinical Model Systems, Pharmacologic Agents**

Gulf War Illness Research Program (GWIRP)
[Clinical Trial Award; Innovative Treatment Evaluation Award; Consortium Development Award; Investigator-Initiated Research Award]
W81XWH-10-GWIRP-CTA
W81XWH-10-GWIRP-ITEA
W81XWH-10-GWIRP-CONDEV
W81XWH-10-GWIRP-IIRA
DOD
Congressionally Directed Medical Research Programs (CDMRP)
The FY2010 Gulf War Illness Research Program (GWIRP) challenges the scientific community to design high-impact research that will improve the health and lives of veterans who have Gulf War Illness (GWI). GWI is characterized by multiple diverse symptoms that typically include chronic headache, widespread
pain, cognitive difficulties, debilitating fatigue, gastrointestinal problems, respiratory symptoms, and other abnormalities that are not explained by established medical diagnoses or standard laboratory tests.
The GWIRP focuses its funding on innovative projects that have the potential to make a significant impact on GWI. These may take the form of identification of objective indicators of pathology that distinguish ill from healthy veterans, or studies to understand the underlying pathobiology of GWI. The GWIRP encourages risk-taking research; however, all projects must demonstrate solid judgment and sound rationale.
Amount: up to $1,500,000; varies with award
LOI: May 14, 2010
Deadline: August 4, 2010
To learn more**:** http://cdmrp.army.mil/funding/gwirp.htm
Key Words**: Glial Cells, Astrocytes, Central Neuroinflammatory Processes, GWI, Neuroendocrine Measures, Autonomic Nervous System Function, Immune Parameters, Chronic Infection, Gastrointestinal Complaints/Symptoms, Genomic Proteomic or Metabolic Characteristics of GWI**

Year 2010 Department of Defense Peer Reviewed Medical Research Program
W81XWH-10-PRMRP-CTA
W81XWH-10-PRMRP-IIRA
W81XWH-10-PRMRP-TTDA
Department of Defense (DOD)
Congressionally Directed Medical Research Programs (CDMRP)
All applications for PRMRP funding must specifically and clearly address at least one of the topic areas as directed by Congress, and have direct relevance to the health care needs of the Armed Forces, their family members, and/or the U.S. veteran population. If the proposed research has no relevance to currently advertised PRMRP topic areas, the Government reserves the right to administratively withdraw the application. The Government also reserves the right to reassign the proposal's topic area if submitted under an inappropriate topic area. The FY10 PRMRP topic areas as provided by Congress are listed below.
Chronic Migraine and Post-traumatic Headache

Dystonia
Drug Abuse
Epilepsy
Fragile X Syndrome
Inflammatory Bowel Disease
Interstitial Cystitis
Listeria vaccine for infectious disease
Lupus
Mesothelioma
Neuroblastoma
Osteoporosis and related bone disease
Paget's Disease
Pheochromocytoma
Polycystic Kidney Disease
Post-traumatic Osteoarthritis
Scleroderma
Social Work Research
Tinnitus
Amount: up to $2,200,000
LOI: N/R
Deadline: August 5, 2010 for Investigator-Initiated Research Award
To learn more**:** http://cdmrp.army.mil/funding/prmrp.htm
Key Words**: Clinical Trials, Concept, Investigator-Initiated, Therapy**

Funding
Broad Foundation, Eli and Edythe L.
Broad Medical Research Program (BMRP)
Research grants are available for innovative proposals that will lead to improvements in the prevention, diagnosis, or therapy of Crohn's disease or ulcerative colitis, two types of inflammatory bowel disease (IBD). The program is interested in funding clinical or basic IBD research projects that are innovative; are in the early stages of exploration; will improve diagnosis, therapy, or prevention of IBD in the near future; and will lead to longer-term funding by more traditional granting agencies.
Amount: unspecified
LOI: The first step in applying is to submit a Letter of Interest (LOI)
Deadline: Continuous
To learn more**:** http://www.broadmedical.org/funding.htm
Key Words**: Digestive Diseases and Disorders, Gastroenterology, Inflammatory Bowel Disease**

Infectious Disease/Biopreparedness

Seek, Test, Treat, and Retain: Addressing HIV among Vulnerable Populations (R01)
New
RFA-DA-11-001
National Institute on Drug Abuse (NIDA)
National Institute of Mental Health (NIMH)
This FOA solicits R01 applications for both domestic and international studies that test the seek, test, treat, and retain paradigm. This paradigm predicts that expanding HIV testing and reducing viral load among HIV+ individuals through HAART therapy can be effective in reducing the HIV transmission at a population level. In particular, this FOA focuses on research on expanding HAART therapy coverage to reduce HIV transmission among high-risk, vulnerable populations.
Amount: $2,500,000
LOI: 15-Oct-10
Deadline: November 15, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-11-001.html
Key Words**:**

HIV Incidence Assays with Improved Specificity (R01)
New
PA-10-212
National Institute of Allergy and Infectious Diseases (NIAID)

This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), solicits grant applications from institutions/organizations that propose to develop improved HIV incidence assays with increased specificity and reliability for distinguishing incident from chronic HIV infections.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-212.html
Key Words**:**

Next Generation PrEP (R01)
New
RFA-AI-10-012
National Institute Allergy and Infectious Diseases (NIAID)
The purpose of this FOA is to: Develop the basic and preclinical framework needed for development of second and subsequent generations of PrEP agents; Create a rational pipeline for the discovery of New Molecular Entities (NMEs) and the identification of existing antiretrovirals (approved for HIV treatment, and those that are not approved but may have extensive clinical data) that can be used for the next generation of PrEP agents; Develop preclinical algorithms with clear go/no go criteria for identifying and prioritizing PrEP candidates for advancement to clinical evaluation; Generate PK/PD models to assess protective effects at mucosal sites of HIV transmission; and Conduct proof-of-concept safety and efficacy studies in animal models.
Amount: $1,200,000
LOI: October 2, 2010
Deadline: November 2, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-10-012.html
Key Words**:**

ARL/ARO Broad Agency Announcement-Revised
W911NF-07-R-0001-02
U.S. Army Research Laboratory (ARL)
14.0. Extramural research in the Life Sciences is supported by the Army Research Office. For those proposals related to purely medical topics, the investigator is invited to contact the U.S. Army Medical Research and Materiel Command. For research in the behavioral and social sciences or in training techniques, contact the Army Research Institute for Behavioral and Social Sciences. The ARO Life Sciences Division research program is currently focused on four sub
area work packages. The titles, scopes and points of contact for these work packages, each of which address general aspects of basic research in biotechnology, as well as the specific thrusts described, are listed below. A small number of symposia, conferences and workshops are also supported in part or in whole to provide an exchange of ideas related to ongoing programs in Army laboratories. Potential offerors are strongly encouraged to contact the appropriate TPOC for preliminary discussions on their ideas before any submissions. The TPOC may invite the offeror to submit a preproposal.
14.1. Bioengineering. Fundamental studies to define structure-function relationships and biochemical interactions for enzymes, receptors and other macromolecules exhibiting mechanisms and properties uniquely relevant to synthetic and degradative pathways of interest to the military, including establishment of the foundations for manipulation and exploitation of biocatalysis, ribosomal and non-ribosomal biosynthesis to enhance permissiveness toward elaboration of useful biomolecular structures and cellular systems designed with "metabolic engineering" in mind. Also, research to provide insight from nature on novel theoretical principles and mechanisms in sensory and motor function, as well as on materials with extraordinary properties, from biological sources. Includes not only initial molecular events, signal transduction pathways and integrated information processing for the powerful sensing capabilities exhibited in the biological world, but also self-assembly processes, hierarchical structure formation, and functional characterization of biomolecular materials such as those with potential "biomimetic" utility for nanometer scale fabrication or for energy and information transfer, among other possibilities. Technical Point of Contact: Dr. Robert Kokoska, Robert.kokoska@us.army.mil, (919) 549-4342.
14.2 Molecular Genetics and Genomics. This program emphasizes basic research in molecular genetics and genomics that will enable optimization of soldier cognitive and physical performance, soldier protection, and Army logistics. This includes human performance and protection under both normal conditions, and when affected by a variety of stressors that are likely to be encountered in battlefield situations, such as dehydration, heat, cold, sleep deprivation, fatigue, caloric insufficiency, microbial factors, and psychological stress. Genetic and genomic research areas include identification and characterization of gene function, gene regulation, genetic interactions, gene pathways, gene expression patterns, mitochondrial regulation and biogenesis, and nuclear and mitochondrial DNA replication, mutagenesis, oxidative stress, and DNA repair. Also molecular responses to pathogens, pathogen identification, and pathogen inactivation, as well as host-pathogen interactions, and host components of infection and resistance to infection. This program is also interested in the biotechnology of microarrays, including both genomic- and proteomic-based platforms, for real time detection of pathogens or physiological states that would reduce or interfere with human
performance. This program also supports development of new biomaterials and bioproduction methods, and other advances in biotechnology methods and applications. Technical Point of Contact: Dr. Micheline Strand, e-mail: Micheline.strand@us.army.mil, (919) 549-4343.

14.3. Microbiology and Biodegradation. Biochemical and physiological mechanisms, underlying the biodegradative processes in normal, extreme, and engineered environments and fundamental studies on organisms in these environments, the properties of materials that make them susceptible or resistant to biological attack, basic concepts for anti-fungals, and studies of microbiological mechanisms with potential for contributing to the remediation of sites
contaminated with toxic wastes. Included are research investigations in analytical microbiology (including microbial signatures), and in general microbial mechanisms with relevance to Army problems. Addressed here also is research into microbial communities and how to study organisms that cannot be grown in the lab, as well as research into methods to enhance the stabilization of military materiel, which would include methods to prevent microbial growth.
Also included is the development of microbial systems for unique biotechnological applications and bioengineering processes with individual microbial species or consortia of microorganisms, emphasizing the control, stability, and mechanisms of the basic cellular processes involved. Technical Point of Contact: Dr. Micheline Strand, e-mail: Micheline.strand@us.army.mil, (919) 549-4343.
14.4 Neurophysiology and Cognitive Neuroscience. Research in the perception and cognition subfields of neurophysiology and the cognitive neurosciences, covering several or all areas of electrophysiology, psychophysiology, sensory and perceptual physiology, computational neurobiology, psychophysics, neuropsychology, and integrative neurobiology is of interest. Specific examples can include physiological, neuro-psychological and/or cortical/cognitive
mechanisms underlying successful completion of complex task behaviors applicable to nonlaboratory environments under non-ideal conditions, to include both amelioration of induced losses as well as enhancement in defined perceptual, cognitive and/or motor abilities. Investigations can span the gamut from multi-unit recordings through evoked potentials and neuro-imaging technologies to humoral and psychological correlates of both central and peripheral nervous system function. Non-medically oriented research designed to elucidate the fundamental physiology underlying cognition and possible non-invasive methods of monitoring cognitive states and processes during normal activity is appropriate. Perceptual and/or psychophysiological implications of mind-machine interfaces ranging from optimizing auditory, visual and/or somatosensory display and control systems based on physiological or psychological states
through modeling of individual cognitive dynamics and decision making is appropriate to this research area. Technical Point of Contact: Dr. Elmar T. Schmeisser e-mail elmar.schmeisser@us.army.mil, (919) 549-4318.
Amount: unspecified
LOI: N/R
Deadline: September 30, 2011
To learn more**:** http://www.arl.army.mil/www/DownloadedInternetPages/CurrentPages/DoingBusinesswithARL/research/07-r-0001-02_amendment2.pdf
Key Words**: Human Performance, Microbial Signatures, Perception and Cognition**

Long Range Broad Agency Announcement (Baa) For Navy And Marine Corp Science And Technology
BAA-10-001
Office of Naval Research (ONR)
The Office of Naval Research (ONR) is interested in receiving proposals for Long-Range Science and Technology (S&T) Projects which offer potential for advancement and improvement of Navy and Marine Corps operations. Readers should note that this is an announcement to declare ONR's broad role in competitive funding of meritorious research across a spectrum of science and engineering disciplines.
Prior to preparing proposals, potential offerors are strongly encouraged to contact the ONR point of contact (POC) whose program best matches the offeror's field of interest. For information on POCs, refer to the ONR "Science and Technology Departments" as listed in the Science and Technology section of the ONR Home Page accessible through
the World Wide Web at http://www.onr.navy.mil/ and for ONR's International Agent located on the ONR Global Homepage at http://www.onrglobal.navy.mil/. A list of the Department Codes can be found at http://www.onr.navy.mil.
Work funded under a BAA may include basic research, applied research and some advanced technology development (ATD).
Research Protections Division subject areas (see web site for more subject areas):
Human subject research is critical to support the warfighter, Navy and Marine Corps training, operational capability, and the competency of the Navy medical department. This research includes the test and evaluation (T&E) of personal protective equipment such as body armor, hearing protection, and helmets; human factors engineering for combat stations/systems; improving treatment of decompression sickness; reducing spatial disorientation in aviators; and maximizing human performance and endurance, among many others.
Amount: varies
LOI: N/R
Deadline: September 30, 2010
To learn more**:** http://www.onr.navy.mil/02/baa/docs/10-001.pdf
Key Words**: Federal Funding, ONR**

Long Acting, Sustainable Therapies of Opiate Addiction (R01)
PAS-08-061
NIDA

This Funding Opportunity Announcement (FOA) issued by the National Institute on Drug Abuse, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose the development of sustained pharmacotherapies and behavioral treatments to reduce the risk of contraction and transmission of HIV. Specifically, this FOA supports applications directed at the development of (1) heroin/morphine-protein conjugates (heretofore referred to as heroin/morphine conjugate vaccines or HCVs) for the treatment of opiate addiction, (2) clinical systems for the application of currently available long-acting (30-day or longer sustained-release) dosage forms for opiate pharmacotherapies to optimize these sustained pharmacotherapies to effect the reduction of the risk for acquisition and transmission of HIV, and (3) effective clinical treatment modalities, including behavioral treatment in conjunction with pharmacotherapies, to improve the effectiveness of opiate treatment and reduce the risk behaviors associated with transmission of HIV. Clinical studies should include the assessment of HIV risk behaviors as an outcome measure.
Amount: $400,0000
LOI: N/R
Deadline: multiple, see link
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAS-08-061.html
Key Words**:**

Improvements to Biological Research Collections (BRC)
NSF 09-548
National Science Foundation (NSF)
Directorate for Biological Sciences
Division of Biological Infrastructure
The Improvements to Biological Research Collections Program provides funds for improvements to network, secure, and organize established natural history collections for sustained, accurate, and efficient accessibility of the collection to the biological research community.
The BRC program is encouraging collaborative proposals to network collections on regional and continental scales, especially collaborations that bring large and small collections together into networks. The BRC program also provides for enhancements to existing collections to improve collections, computerize specimen-related data, develop better methods of specimen curation and collection management through activities such as symposia and workshops.
Biological collections supported include those housing natural history specimens and jointly curated collections such as preserved tissues and other physical samples, e.g. DNA libraries and digital images. Such collections provide the materials necessary for research across broad areas of biological sciences.
Amount: $500,000-$2,000,000
LOI: N/R
Deadline: Fourth Friday in July, Annually
To learn more**:** http://www.nsf.gov/pubs/2009/nsf09548/nsf09548.htm?govDel=USNSF_25
Key Words**: Preserved Tissues and other Physical Samples, e.g. DNA libraries and digital images.**

Living Stock Collections for Biological Research (LSCBR)
NSF 09-550
National Science Foundation (NSF)
Directorate for Biological Sciences
Division of Biological Infrastructure
The Living Stock Collections for Biological Research (LSCBR) program supports improvements in and partial operation of existing collections of living organisms (including viruses and bacteriophages) to be used in basic biological research. The program provides support for two types of projects. Short-term projects are one-time awards (up to 36 months) leading to innovative handling of living stocks or to well-defined improvements in existing collections, including those not otherwise supported by LSCBR. Longer-term projects (up to 60 months) help support ongoing operation of collections significant to the NSF research community. Collections receiving longer-term support are expected to receive significant support from user fees or other mechanisms of revenue generation.
Amount: varies
LOI: N/R
Deadline: July 7, 2010, July 6, 2011
To learn more**:** http://www.nsf.gov/pubs/2009/nsf09550/nsf09550.htm?govDel=USNSF_25
Key Words**: Biological Stock, Cultures, Virus, Bacteria**

Countermeasures Against Chemical Threats (CounterACT) Research Centers of Excellence (U54) and Cooperative Research Projects (U01)
PAR-10-181 and PAR-10-180
National Institutes of Health (NIH)
multiple institutes

This Funding Opportunity Announcement (FOA) encourages grant applications for Countermeasures Against Chemical Threats (CounterACT) Research Centers of Excellence (U54s). The mission of the CounterACT U54 program is to develop new and improved therapeutics for chemical threats. Chemical threats are toxic chemicals that could be used in a terrorist attack or accidentally released from industrial production, storage or shipping. They include traditional chemical warfare nerve agents such as sarin and VX, and toxic industrial chemicals and pesticides such as cyanide, chlorine, parathion, and sodium fluoroacetate. The scope of the research to be supported includes target and candidate identification and characterization, through candidate optimization and demonstration of in vivo efficacy, through Investigational New Drug (IND) submission and Phase 1 clinical trials when appropriate. Each new CounterACT Research Center of Excellence will be composed of an administrative core, scientifically related research and development subprojects, and scientific cores if needed and justified. Applicants must demonstrate that the formation of an interdisciplinary Center will produce a synergistic research environment that allows each project to share the creative strengths and resources of the others. Research and development plans must include milestones that create discrete go or no-go decision points in a progressive translational study plan.
Amount: $12,500,000
LOI: August 14 2010; August 14, 2011; August 14, 2012
Deadline: September 14, 2010; September 14, 2011; September 14, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-181.html and http://grants.nih.gov/grants/guide/pa-files/PAR-10-180.html
Key Words**:**

Research on Malignancies in the Context of HIV/AIDS (R21)
PA-07-454
National Institutes of Health (NIH)
The National Cancer Institute (NCI) and National Institute of Dental and Craniofacial Research (NIDCR) are accepting proposals for research that will advance our understanding of the risks, development, progression, diagnosis, and treatment of malignancies observed in individuals with an underlying HIV infection or AIDS. Through this funding opportunity announcement (FOA), the NCI and NIDCR seek to encourage research in areas such as the study of the etiologic factors, cofactors, pathogenesis, and consequences of HIV-associated malignancies in diverse populations. Research on non-AIDS defining malignancies in the context of HIV infection is also encouraged. The incidence of non-AIDS-defining malignancies (e.g., anal, skin, and lung cancers as well as Hodgkin's disease) appear to be increasing in the era of Highly Active Antiretroviral Treatment. This FOA extends to research efforts that will provide information on the clinical outcomes of such cancers in the HIV-infected population and identify specific contributions resulting from HIV infection for the development and pathogenesis of these cancers. Ultimately, such efforts could inform screening approaches and therapies targeted to the HIV-infected population.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants1.nih.gov/grants/guide/pa-files/PA-07-454.html
Key Words**: AIDS**
Cancer Biology, Cancer or Carcinogenesis, Molecular Epidemiology

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Integrating Biobehavioral and Sociocultural Research to Prevent HIV Transmission and Infection [(R01) PA-08-188] and [(R21) PA-08-189]
PA-08-188 and PA-08-189
National Institutes of Health (NIH)
This funding opportunity announcement (FOA) solicits Research Project (R01) grant applications from applicant organizations to develop theoretically grounded approaches to prevention of HIV infection and transmission that incorporate biobehavioral approaches in studies that are culturally appropriate. Biobehavioral approaches may be biomedical, or they may consist of behavioral interventions using biological markers of efficacy. Intervention and pre-intervention studies are welcomed, but descriptive ethnographic and epidemiological research is still needed in some areas. For example, descriptive research may delineate the impact of cultural variables on behaviors that impede or promote biological markers (e.g., seroconversion), lead to a better understanding of ethical concerns in biomedical preventive studies, or may illuminate as yet unrecognized issues concerned with adherence to a prevention interventions. Intervention studies should evaluate the efficacy of biomedical interventions, or of behavioral interventions that also use biological variables, in light of the sociocultural context.
Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-188.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-189.html
Key Words**: HIV, AIDS, Epidemiology**

Medical Management of Older Patients with HIV/AIDS [(R01)PA-09-0187] and [(R03) PA-09-018] or [(R21) PA-09-0189]
PA-09-017 and PA-09-018 or PA-09-019

National Institutes of Health
This funding opportunity announcement (FOA) issued by the National Institute on Aging (NIA), the National Institute of Allergy and Infectious Diseases (NIAID), the Center for Mental Health Research on AIDS of the National Institute of Mental Health (NIMH), and the National Institute of Nursing Research (NINR) encourages Research Project Grant (R01) applications that address clinical and translational medical issues in the diagnosis and/or management of HIV infection and its consequences in older persons.
Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-017.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-018.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-019.html
Key Words**: HIV/AIDS, HIV, Aging**

Unique Interactions Between Tobacco Use and HIV/AIDS
[(R01) PA-08-253] and [(R03) PA-08-254]
PA-08-253 and PA-08-254
National Institute on Drug Abuse (NIDA)
Fogarty International Center (FIC)
The purpose for this FOA issued by the National Institute on Drug Abuse and the Fogarty International Center encourages Research Project Grant (R01) applications from institutions/organizations that propose to stimulate research related to the unique, interactive health effects of cigarette smoking and HIV/AIDS.
Amount: unspecified
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-253.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-254.html
Key Words**: Smoking, AIDS/HIV**

Drug Abuse Aspects of HIV/AIDS (R01) and (R21) and (R03)
PA-10-129 and PA-10-130 and PA-10-131
National Institute on Drug Abuse (NIDA)
This FOA issued by the National Institute on Drug Abuse (NIDA), National Institutes of Health (NIH), encourages Research Project Grant (R01) applications to examine the drug abuse aspects of HIV/AIDS, including research on drug-related risk behaviors, addiction and HIV disease, and drug use/HIV-related comorbidities and consequences. Proposals are needed to identify and predict changes in the epidemiology of HIV/AIDS among injection and non-injection drug users and among their sexual partners, to develop and test primary and secondary drug abuse and HIV prevention and treatment interventions, to improve HIV testing, counseling, and treatment services for those living with HIV/AIDS, and to address basic mechanisms involved in HIV infection and AIDS pathogenesis in the context of drug abuse and addiction.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-129.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-129.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-129.html
Key Words**: HIV/AIDS, Drug Abuse**

AIDS-Science Track Award for Research Transition (R03)
PAR-10-021
National Institute on Drug Abuse (NIDA)
This funding opportunity announcement (FOA) by the National Institute on Drug Abuse seeks to facilitate the entry of both newly independent and early career investigators to the area of drug abuse research on HIV/AIDS. This FOA, AIDS--Science Track Award for Research Transition (A-START), encourages Small Research Grant (R03) applications to support research projects on drug abuse and HIV/AIDS that can be carried out in a short period of time with limited resources. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology.
Amount: $200,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-021.html
Key Words**: HIV/AIDS, Drug Abuse**

Drug Abuse Prevention Intervention Research
[(R01) PA-08-217] and [(R21) PA-08-218] and [(R03) PA-08-219]
PA-08-217 and PA-08-218 and PA-08-219
National Institute on Drug Abuse (NIDA)
The purpose of this FOA is to encourage Research Project Grant (R01) applications from institutions/organizations that propose to advance the science of drug abuse and drug-related HIV prevention through 1) the development of novel prevention approaches, 2) the testing of novel and adapted prevention intervention approaches 3) the elucidation of processes associated with the selection, adoption, adaptation, implementation, sustainability, and financing of empirically validated interventions, and 4) the development of new methodologies suitable for the design and analysis of prevention research studies. Programs of research are intended to provide pathways toward the discovery of population-level approaches for the prevention of drug abuse and dependence, drug-related problems (such as interpersonal violence, criminal involvement, and productivity loss), and drug related illness (such as comorbid drug and mental health problems or comorbid infections including HIV, hepatitis B, and hepatitis C).
Amount: varies
LOI: N/R
Deadline: Standard dates apply,
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-217.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-218.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-219.html
Key Words**: Drug Abuse, Drug Dependence**

Technology-Based Adherence Interventions for Substance Abusing Populations with HIV (R01) and (R34)
PAS-10-097 and PAS-10-098
National Institute on Drug Abuse (NIDA)
Through this FOA, the National Institute on Drug Abuse (NIDA) seeks to stimulate and support research on the determination of efficacy and potency of interventions that utilize technological tools (e.g., mobile enabling technologies, Ecological Momentary Assessment (EMA), enhanced Medication Event Monitoring System, computer software, portable digital devices, cell phone and/or Digital Assistant Device among others) to foster adherence to Human Immunodeficiency Virus (HIV) treatment regimens among substance abusing populations in naturally occurring timeframes and contexts. Multidisciplinary collaboration between social scientists, medical (physician/nurse) researchers and technology experts to develop and refine mobile technological instrumentation, e-health technology and software as interventions (or as part of interventions) that foster adherence to HIV treatment regimens and access to care in real time is encouraged.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAS-10-097.html and http://grants.nih.gov/grants/guide/pa-files/PAS-10-098.html
Key Words**: Treatment Regimens, HIV/AIDS**

Research on Alcohol and HIV/AIDS (R01), (R03) and (R21)
PA-10-103 and PA-10-104 and PA-10-105
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
This Funding Opportunity Announcement (FOA) is intended to appeal to a broad audience of alcohol and HIV/AIDS researchers, including alcohol researchers with no prior experience in HIV/AIDS research, but with a keen appreciation for the relationship between problem drinking and HIV/AIDS and a strong interest in acquiring such experience; HIV/AIDS researchers with no prior alcohol research experience who realize the importance of more intensive alcohol interventions to improving clinical outcomes among HIV+ individuals; and those with prior research experience in the area of co-occurring HIV/AIDS and alcohol and other substance abuse. The primary objectives for this announcement are to increase research : 1) to characterize the relative importance of reducing alcohol misuse in the prevention of acquisition and transmission of HIV in order to identify and apply appropriate alcohol and HIV interventions as public health measures, 2) to more fully understand and prevent the progression of HIV disease in the presence of continued alcohol exposure and 3) to develop operational research frameworks for addressing the occurrence and persistence of infections in high-risk populations (e.g. minority women, young gay men, etc.), and translate findings these targeted populations. Given the breadth of research objectives included in this announcement, potential applicants are encouraged to carefully review all sections of the announcement for research opportunities.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-103.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-104.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-105.html
Key Words**: HIV/AIDS, Alcohol, Disease Transmission, Risk Assessment, Interventions**

Integrative Preventions Research for Alcohol Users At-Risk for HIV/AIDS (R01)

PA-08-006
National Institute on Alcohol Abuse and Alcoholism
This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/ organizations that propose to integrate basic behavioral research and intervention research for the prevention of alcohol-related HIV/AIDS risk.
Amount: varies
LOI: N/R
Deadline: multiple dates, see announcement
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-006.html
Key Words**:**

International Research Collaborations on Drug Addiction (R21)
PA-08-007
National Institute on Alcohol Abuse and Alcoholism
This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Exploratory/Developmental Research Project Grant (R21) applications from institutions/ organizations that propose to integrate basic behavioral research and intervention research for the prevention of alcohol-related HIV/AIDS risk.
Amount: varies
LOI: N/R
Deadline: Multiple dates, see announcement
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-007.html
Key Words**:**

Countermeasures Against Chemical Threats (CounterACT) Exploratory/Developmental Projects in Translational Research (R21)
PAR-10-019
National Institute of Neurological Disorders and Stroke (NINDS)
National Eye Institute (NEI)
National Institute of Allergy and Infectious Diseases (NIAID)
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)
National Institute of
This Funding Opportunity Announcement (FOA) requests applications for exploratory/developmental translational research on therapeutics for reducing mortality and morbidity caused by acute exposures to chemical threat agents. Chemical threats include traditional chemical warfare nerve agents such as sarin and VX, toxic industrial chemicals such as cyanide and chlorine, and toxic agricultural chemicals such as parathion and sodium fluoroacetate. Projects supported by this FOA are expected to generate preliminary data that would enable the development of competitive applications for more extensive support from the NIH CounterACT program (see www.ninds.nih.gov/counteract for a description) and other related research and development programs.
Amount: $500,000
LOI: January 4, 2011, 2012
Deadline: February 1, 2011, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-019.html
Key Words**: Chemical Threat, Warfare Agents, Counter Measures**

Novel Lentiviral Models of HIV Neuropathogenesis
[(R01) PAS-08-178] and [(R21) PAS-08-179] and [(R03) PAS-08-180]
PAS-08-178 and PAS-08-179 and PAS-08-180
National Institute of Neurological Disorders and Stroke (NINDS)
National Institute on Drug Abuse (NIDA)
National Institute of Mental Health (NIMH)
National Institute on Alcohol Abuse and Alcoholism
The National Institute of Neurological Disorders and Stroke (NINDS), the National Institute on Drug Abuse (NIDA), the National Institute of Mental Health (NIMH), and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) invite research grant applications aimed at developing and or refinement of animal or ex vivo cell culture model systems for study of the neurologic complications of AIDS, with or without a history of drug or alcohol use. Recent advances in the development of the SIV model system highlight the power of animal model systems for study of the mechanisms underlying the pathology associated with lentiviral infection in the nervous system. These models will be key for developing therapeutic approaches for the treatment of patients suffering from NeuroAIDS and for understanding the basic biology of infection with HIV/AIDS.
Amount: $1,500,00 (varies)
LOI: N/R
Deadline: Standard dates apply

To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAS-08-178.html and http://grants.nih.gov/grants/guide/pa-files/PA-06-179.html and http://grants.nih.gov/grants/guide/pa-files/PA-06-180.html
Key Words**: HIV, AIDS, NeuroAIDS**

Modeling of Infectious Disease Agent Systems (U01)

RFA-GM-11-002
National Institute of General Medical Sciences (NIGMS)
This Funding Opportunity Announcement (FOA) issued by the National Institute for General Medical Sciences, National Institutes of Health, encourages Cooperative Agreement (U01) applications from institutions/organizations that propose to provide the U.S. scientific and public health communities better resources, knowledge, and tools to improve their ability to identify and prevent the spread of diseases resulting from the emergence or intentional release of pathogens and their products. Research projects will become part of the Models of Infectious Disease Agent Study (MIDAS) Network. This FOA is a re-announcement of a prior FOA (RFA GM-09-001). The MIDAS Network consists of a centralized information technology resource, a Centers of Excellence component and, with this announcement, the continuation of a network of multidisciplinary scientists conducting computational and mathematical research to improve the ability to detect, control, and prevent emerging infectious diseases caused by naturally occurring or intentionally released pathogens, including those relevant to biodefense.
Amount: $2,500,000
LOI: June 15, 2010
Deadline: July 15, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-11-002.html
Key Words**: Infectious Disease, Public Health**

Methods for Prevention Packages Program (MP3 II) (R01)

RFA-AI-10-005
National Institute of Allergy and Infectious Diseases Health (NIAID)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Mental Health (NIMH)
The National Institute of Allergy and Infectious Diseases, the National Institute of Alcohol Abuse and Alcoholism and the National Institute of Mental Health invite applications for multidisciplinary research programs that; (1) devise optimal HIV prevention packages (combination interventions) for specific populations, (2) perform pilot studies to demonstrate that the proposed prevention package is acceptable to the target population and the study design is appropriate and feasible, and (3) design clinical protocols to rigorously examine the safety and efficacy of these packages in the target population.
Amount: $2,400,000
LOI: June 15, 2010
Deadline: July 15, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-10-005.html
Key Words**: HIV Prevention**

Centers for AIDS Research: D-CFAR, CFAR (P30)

PAR-09-103
National Institute of Allergy and Infectious Diseases (NIAID)
Fogarty International Center (FIC)
National Cancer Institute (NCI)
National Center for Complementary and Alternative Medicine (NCCAM)
National Heart, Lung, and Blood Institute (NHLBI)
National
This FOA solicits applications for the Centers for AIDS Research (CFAR) program to provide administrative and shared research support to enhance HIV/AIDS research. Applications are being solicited for both standard CFARs and developmental CFARs (D-CFARs). Standard and D-CFARs provide core facilities, expertise, resources, and services not readily obtained otherwise through more traditional funding mechanisms. Additionally, D-CFARs provide support to assist investigators in the development of a competitive standard CFAR. The program emphasizes interdisciplinary collaboration, especially between basic and clinical investigators, translational research between the laboratory and the clinic and vice versa, inclusion of minority investigators, and inclusion of prevention and behavioral change research. Mechanism of Support.
Amount: $3.75-15M
LOI: May 14, 2010
Deadline: June 30, 2010
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-103.html
Key Words**: AIDS**

Research to Advance Vaccine Safety
[(R01) PA-08-256]and [(R21) PA-08-257]
PA-08-256 and PA-08-257
National Institute of Allergy and Infectious Diseases (NIAID)
National Institute of Mental Health (NIMH)
National Institute of Nursing Research (NINR)
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Instit
This FOA, entitled Research to Advance Vaccine Safety, is issued by the National Institutes of Health and encourages Research Project Grant (R01) applications from institutions/organizations that propose to support research that will contribute to the overall understanding of vaccine safety. This R01 research opportunity invites studies that address scientific areas potentially relevant to vaccine safety such as 1) physiological and immunological responses to vaccines and vaccine components, 2) how genetic variations affect immune/physiological responses that may impact vaccine safety, 3) identification of risk factors and biological markers that may be used to assess whether there is a relationship between certain diseases or disorders and licensed vaccines, or 4) the application of genomic/molecular technologies to improve knowledge of vaccine safety.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-256.html
Key Words**: Vaccine Development**

HIV Vaccine Research and Design (HIVRAD) Program (P01)
PAR-09-134
National Institute of Allergy and Infectious Diseases (NIAID)
The NIAID held a Vaccine Summit in March 2008 to solicit input on how best to advance the field of HIV vaccine discovery research. The HIV Vaccine Research and Design (HIVRAD) Program, a multi-project, multidisciplinary HIV/AIDS prophylactic vaccine-related funding mechanism is one such mechanism that may be used for support of the research priorities identified at the NIAID Vaccine Summit. Applications must include at least two (2) projects and one (1) core.
Amount: $7,500,000
LOI: May 24, 2010; May 23, 2011
Deadline: July 13, 2010 and July 13, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-134.html
Key Words**: HIV Vaccine**

BAA ANNOUNCEMENT: Targeted Clinical Trials to Reduce the Risk of Antimicrobial Resistance - BAA NIAID-DMID-NIHAI2010089
NOT-AI-10-020
National Institute of Allergy and Infectious Diseases (NIAID)
The National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), of the Department of Health and Human Services (DHHS) supports research related to the basic understanding of microbiology and immunology leading to the development of vaccines, therapeutics, and medical diagnostics for the prevention, treatment, and diagnosis of infectious and immune-mediated diseases. The NIAID, Division of Microbiology and Infectious Diseases has an interest in identifying innovative approaches to effectively treat bacterial infections with antimicrobials that minimize the development of drug resistance.
This BAA targets infectious diseases where improved treatment strategies could reduce the risk of antimicrobial resistance and preserve the effectiveness of existing antimicrobials. A central goal of this solicitation is to target disease areas experiencing the greatest antimicrobial selective pressure, and within these areas, develop strategies that test the safety and effectiveness of different therapeutic approaches/regimens that reduce the probability of the emergence of drug resistance by minimizing unnecessary drug exposure.
Contracts to be awarded under this BAA will support the design and conduct of Phase II, Phase III, and/or Phase IV clinical trials of new strategies to optimize the use of licensed, off-patent antimicrobial agents and reduce the risk of antimicrobial resistance in selected infectious diseases. [Note: Pivotal clinical trials primarily to change product label or package insert (such as new indications) will not be supported. See Exceptions listed below.] Clinical trials must be conducted in locations experiencing the antimicrobial resistance issues identified in the offeror's proposal. Strategies including the use of licensed antimicrobial therapies still on-patent will be considered if the therapies are firmly established in the local standard of care.
For the purposes of this BAA, the disease areas that may be supported under this BAA are limited to the following infections: Pneumonia, Bacteremia, Tuberculosis (pulmonary), and Non-tuberculous mycobacterial (NTM) lung infections in HIV negative persons. Both community-associated and hospital-associated infections in these disease areas are eligible.
Amount: TBD
LOI: N/R
Deadline: July 30, 2010
To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-AI-10-020.html

Key Words**: Tuberculosis, Lung Infections, Pneumonia, Bacteremia**

NIAID Announces Two FOAs of Similar Scope with Differing Approaches

NOT-AI-10-029
National Institute of Allergy and Infectious Diseases (NIAID)
The purpose of this Notice is to inform the community of two Funding Opportunity Announcements (FOAs) of similar overall scientific scope but with different approaches;
Consortia for AIDS Vaccine Research in Nonhuman Primates (P01) RFA-AI-10-004 invites Program Project applications to establish a collaborative, multidisciplinary research program to investigate viral and host events that occur at the earliest stages of mucosal infection of nonhuman primates (NHP) with simian immunodeficiency virus (SIV), primarily but not exclusively in cervico-vaginal models of SIV infection of macaques, and to identify vaccines and vaccine-induced immune responses that can block initial infection, prevent establishment of systemic infection, or significantly reduce pathogenic effects of SIV infection.
Mechanisms and Prevention of Sexual Transmission of HIV/SIV (R01) RFA-AI-10-001, is soliciting applications using the NIH Research Project (R01) mechanism. This FOA invites Research Project applications to enhance the understanding of early events in mucosal transmission of HIV/SIV leading to the discovery of novel mechanism(s) of virus transmission, host cell-virus interaction and to advance new concepts for HIV prevention strategies/approaches focused on the development of new conventional or outside-the-box approaches to vaccines and non-vaccine biomedical prevention strategies for optimizing mucosal protection against HIV/SIV. Applicants are urged to apply to one or the other FOA, but not both.
Amount:
LOI:
Deadline: Released April 23, 2010
To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-AI-10-029.html
Key Words**:**

Partnerships for Development of New Therapeutic Classes for Select Viral and Bacterial Pathogens (R01)

RFA-AI-10-010
National Institute of Allergy and Infectious Diseases (NIAID)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), invites research applications in support of preclinical development of lead candidate therapeutics against Nesseria gonorrhoeae, Hepatitis B Virus and Clostridium difficile.
Amount: $2,500,000
LOI: June 8, 2010
Deadline: July 8, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-10-010.html
Key Words**:**

Integrated Preclinical/Clinical AIDS Vaccine Development Program (IPCAVD) (U19)

PAR-10-161
National Institute of Allergy and Infectious Diseases (NIAID)
The goal of this Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID) is to facilitate the translation of innovative and promising basic science-derived vaccine concepts for prophylactic HIV vaccines to initial clinical trials by providing the critical resources necessary for achieving this goal. The Integrated Preclinical/Clinical AIDS Vaccine Development Program (IPCAVD) is a mechanism that enables investigators to conduct clinical research studies aimed at addressing specific scientific questions and vaccine concepts most appropriately tested in humans. To fulfill this goal, an IPCAVD award is intended to provide assistance to meritorious competitive projects in 3 areas: (1) support for basic hypothesis-driven science to advance development of the vaccine concept by facilitating non-human primate (NHP) proof-of-concept studies and down-selection to the best lead candidate; (2) access to resources for determining whether the vaccine concept is clinically feasible by determining whether a candidate vaccine successfully addresses FDA requirements for performing clinical testing, by determining the feasibility of manufacturing cGMP lots of the vaccine and by determining vaccine safety by conducting the required toxicology and pharmacology safety studies; and (3) support for the initial human clinical study central to addressing the proposed scientific question.
Amount: $12,500,000
LOI: October 8, 2010; October 7, 2011; October 9, 2012
Deadline: March, 2011, 2012, 2013
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-161.html
Key Words**: Vaccine Trials, HIV/AIDS**

Mechanisms and Prevention of Sexual Transmission of HIV/SIV (R01)

RFA-AI-10-001
National Institute of Allergy and Infectious Diseases (NIAID)

This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), solicits Research Project Grant (R01) applications to enhance the understanding of early events in mucosal transmission of HIV/SIV leading to the discovery of novel mechanism(s) of virus transmission, host cell-virus interaction and to advance new concepts for HIV prevention strategies/approaches. The emphasis of this FOA is discovery research focused on acquiring novel insights that may lead to the development of new conventional or outside-the-box approaches to vaccines and non-vaccine biomedical prevention strategies for optimizing mucosal protection against HIV/SIV. Investigators new to the HIV field and established HIV investigators are encouraged to apply.
Amount: $1,750,000
LOI: June 18, 2010
Deadline: July 19, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-10-001.html
Key Words**: HIV/SIV, Viral Transmission**

Consortia for AIDS Vaccine Research in Nonhuman Primates (P01)

RFA-AI-10-004
National Institute of Allergy and Infectious Diseases (NIAID)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institute of Health (NIH), solicits applications that propose to establish a collaborative, multidisciplinary research program to investigate viral and host events that occur at the earliest stages of mucosal infection of nonhuman primates (NHP) with simian immunodeficiency virus (SIV), and to identify vaccines and vaccine-induced immune responses that can block initial infection, prevent establishment of systemic infection, or significantly reduce pathogenic effects of SIV infection.
Amount: $25,000,000
LOI: October 1, 2010
Deadline: November 3, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-10-004.html
Key Words**: Primates, HIV, SIV**

NIAID Clinical Trial Planning Grant (R34), (U01) and (R01)

PAR-10-185 and PAR-10-186 and PAR-10-184
National Institute of Allergy and Infectious Diseases (NIAID)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID) invites applications that propose the complete planning, design, and preparation of documentation necessary for implementation of investigator-initiated clinical trials. The trials must be hypothesis-driven, milestone-defined, related to the research mission of the NIAID and considered high priority by the Institute. Investigators are encouraged to visit the NIAID website for additional information about the research mission and high-priority research areas of the NIAID http://www3.niaid.nih.gov/about/whoWeAre/planningPriorities/.)
Amount: varies with award mechanism
LOI: N/R
Deadline: July 22, 2010, September 13, 2010, January 13, 2011, May 13, 2011, September 13, 2011, January 13, 2012, May 14, 2012, September 13, 2012, January 14, 2013
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-185.html and http://grants.nih.gov/grants/guide/pa-files/PAR-10-186.html and http://grants.nih.gov/grants/guide/pa-files/PAR-10-184.html
Key Words**: Asthma and Allergies, Autoimmune Diseases, Insulin Dependent Diabetes, Systemic Lupus Erythematosus, Rheumatoid Arthritis, Multiple Sclerosis, Graft Rejection, AIDS, Tuberculosis, TB, Malaria, Influenza, Hepatitis, Emerging Infections, Bioterrorism, Transplantation and Immune Tolerance**

Phased Innovation Award Program for AIDS Vaccine Research (R21/R33)

PA-09-119
National Institute of Allergy and Infectious Diseases (NIAID)
This FOA, issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), solicits research grant applications from institutions/organizations that propose prophylactic vaccine research projects that are innovative, novel, may be high risk/high impact, and that exhibit the potential to advance AIDS prophylactic vaccine design or evaluation. All areas of investigation contributing to the development of an efficacious HIV/AIDS vaccine are welcome. Clinical trials will not be supported under this initiative. Mechanism of Support. This FOA will use the NIH Phased Innovation Award (R21/R33) grant mechanism; Phase I = Exploratory R21/Phase II = Developmental R33. Awards will support milestone-driven exploratory/feasibility proof of concept studies (2 year R21 phase), with possible rapid transition to expanded development (2-3 year R33 phase). Initially funded R21 studies will be evaluated over two years for milestone completion, and R21s that have met defined milestones will be considered for the R33 award.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-119.html

Key Words**: HIV Vaccine**

Basic Research on HIV Persistence (R01)

PA-09-152
National Institute of Allergy and Infectious Diseases (NIAID)
The aim of this Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), is to increase our understanding of persistent HIV-1 infection in patients under highly active anti-retroviral therapy (HAART). Support would be through soliciting Research Project Grant (R01) applications for hypothesis-driven basic research in HIV/AIDS that is focused on directly achieving this aim. The emphasis of this initiative is on the development of new ideas and approaches in HIV-1 persistence including model and assay development that may directly inform future studies on the design of therapeutic strategies to achieve long term remission without treatment or a complete eradication of residual virus and complete cure for HIV infection and AIDS. It is anticipated that this is the first in a series of FOAs to understand the basic mechanisms of HIV persistence and then to use this information to develop ways to control and eliminate the virus-carrying cells.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-152.html
Key Words**: HIV, AIDS**

Microbicide Innovation Program (MIP VI) (R21/R33)

RFA-AI-10-011
National Institute of Allergy and Infectious Disease (NIAID)
National Institute of Mental Health (NIMH)
Office of Research on Women's Health (ORWH)
This FOA, the Microbicide Innovation Program (MIP VI), issued by NIAID, encourages Research Project Grant (R21/R33) applications in the field of topical microbicides to advance: Development of new microbicide approaches and additional rational targets through preclinical and basic research Discovery and characterization of microbicides (singly or in combinations) directed against HIV or STIs (Sexually Transmitted Infections) that are linked to HIV acquisition The identification and promotion of emerging technologies or models that contribute to the development of new and/or more efficient ways of assessing microbicide safety, efficacy and acceptability Design of complex prevention strategies that incorporate vaginal, rectal, and/or penile applied microbicides.
Amount: $275,000
LOI: June 9, 2010
Deadline: July 9, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-10-011.html
Key Words**:**

NIH Small Research Grant Program (Parent R03)

PA-09-163
National Human Genome Research Institute (NHGRI)
National Institute on Drug Abuse (NIDA)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Allergy and Infectious Diseases (NIAID)
National In
The National Institutes of Health (NIH) Investigator-Initiated Small Grant (R03) funding opportunity supports small research projects that can be carried out in a short period of time with limited resources. Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigator's area of interest and competency. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. All investigator-initiated small grant applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests.
Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-163.html
Key Words**: Small Grants**

Biomarkers of Infection-Associated Cancers (R01) [PA-08-156]

Biomarkers of Infection-Associated Cancers (R21) [PA-08-157]
PA-08-156 and PA-08-157
National Cancer Institute
National Institute of Dental and Craniofacial Research
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI) and the National Institute of Dental and Craniofacial Research (NIDCR), of the National Institutes of Health (NIH), encourages the submission of Research Project Grant (R01) applications from institutions and organizations that propose to identify biomarkers for cancers where the etiology of the disease is attributed to infectious agents.
Amount: varies
LOI: N/R
Deadline: Multiple dates, see announcement
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-156.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-157.html
Key Words**: Biomarkers, Cancer Biology**

Pharmacokinetic Research in Pediatric HIV/TB Co-Infection (R01) and (R21)
RFA-HD-09-015 and RFA-HD-09-016
Eunice Kennedy Shriver National Institute of Child Health and Human Development
National Institute of Mental Health (NIMH)
This Funding Opportunity Announcement (FOA), issued by the National Institute of Child Health and Human Development (NICHD) and the National Institute of Mental Health (NIMH), encourages Research Project Grant (R01) applications from institutions/organizations that propose to evaluate the pharmacokinetics of anti-tuberculosis (anti-TB) drugs and pharmacokinetic drug interactions between anti-TB drugs and anti-HIV medications, and to potentially provide preliminary data regarding the effect of such pharmacokinetic parameters on the outcome of treatment in children with HIV/TB co-infection. Pediatric research in these areas lags far behind that in adults due to the many challenges surrounding the diagnosis and management of TB disease in children. Research related to the treatment of TB in the context of pediatric HIV/TB co-infection is urgently needed. This FOA will support grants to define appropriate dosing of anti-TB agents in HIV-infected children and that will generate knowledge regarding the optimization of management of TB/HIV co-infection in children, including the management of central nervous system (CNS) involvement with TB through the evaluation of CNS penetration of anti-TB agents in the context of antiretroviral therapy.
Amount: $2,000,000; varies with project
LOI: July 24, 2010
Deadline: August 24, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-09-015.html and http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-09-016.html
Key Words**: TB, HIV, Treatment, Anti-Tuberculosis Drugs, Pharmacokinetics**

Gulf War Illness Research Program (GWIRP)
[Clinical Trial Award; Innovative Treatment Evaluation Award; Consortium Development Award; Investigator-Initiated Research Award]
W81XWH-10-GWIRP-CTA
W81XWH-10-GWIRP-ITEA
W81XWH-10-GWIRP-CONDEV
W81XWH-10-GWIRP-IIRA
DOD
Congressionally Directed Medical Research Programs (CDMRP)
The FY2010 Gulf War Illness Research Program (GWIRP) challenges the scientific community to design high-impact research that will improve the health and lives of veterans who have Gulf War Illness (GWI). GWI is characterized by multiple diverse symptoms that typically include chronic headache, widespread
pain, cognitive difficulties, debilitating fatigue, gastrointestinal problems, respiratory symptoms, and other abnormalities that are not explained by established medical diagnoses or standard laboratory tests.
The GWIRP focuses its funding on innovative projects that have the potential to make a significant impact on GWI. These may take the form of identification of objective indicators of pathology that distinguish ill from healthy veterans, or studies to understand the underlying pathobiology of GWI. The GWIRP encourages risk-taking research; however, all projects must demonstrate solid judgment and sound rationale.
Amount: up to $1,500,000; varies with award
LOI: May 14, 2010
Deadline: August 4, 2010
To learn more**:** http://cdmrp.army.mil/funding/gwirp.htm
Key Words**: Glial Cells, Astrocytes, Central Neuroinflammatory Processes, GWI, Neuroendocrine Measures, Autonomic Nervous System Function, Immune Parameters, Chronic Infection, Gastrointestinal Complaints/Symptoms, Genomic Proteomic or Metabolic Characteristics of GWI**

International Research in Homeland Security Science & Technology Projects
DHS-I0-ST-I08-001
Department of Homeland Security (DHS)
Science & Technology Directorate (S&T)
S&T's Chemical and Biological Division is conducting analyses to characterize and prioritize threats. It develops detection systems to provide early warning of a possible attack so as to minimize exposure and speed treatment of victims, conducts forensic analyses to support attribution, and works with our Federal partners who have lead responsibilities in decontamination and restoration, agrodefense, and food security.
Areas of interest for research identified by this Division include:
• Bioforensics
• Next-generation bioassays
• Chemical decontamination
• Foreign animal disease vaccines & diagnostics
• Next-generation biodetection
High-priority technology needs identified by this Division include:
• Tools to detect and mitigate animal disease breakouts
• Improved tools for integrated chemical, biological, radiological, and nuclear (CBRN) risk assessment
• Incident characterization capability for response and restoration
• Improved chemical and biological forensic analysis capability
• Consequence assessments of attacks on chemical facilities and ChemlBio attacks on other critical infrastructure
• Integrated chemical, biological, radiological, nuclear, and explosive CBRNE sensor reporting capability
• Handheld rapid biological and chemical detection systems
• Detection paradigms and systems for enhanced, emerging and novel biological threats
Amount: $750,000
LOI: N/R
Deadline: September 10, 2010
To learn more**:**
http://www07.grants.gov/search/synopsis.do;jsessionid=2PP1K9LcJx0pSmV0lyjL8SfDpBqhT2WG2vcNGZLdLHyYYf0ln1tW!-1163459943
Key Words**: Next Generation, Bioassays**

USA Medical Research and Materiel Command Broad Agency Announcement
W81XWH-BAA10-1
Department of Defense (DOD)
This Announcement provides a general description of the Command's research programs, including specific areas of interest; general information; the evaluation and selection criteria; and proposal preparation instructions.
1) The Military Infectious Diseases Research Program (MIDRP) focuses on vaccines, antiparasitic drugs, deployable field clinical diagnostics, and vector control pertinent to naturally-occurring endemic diseases with demonstrated or potential capability to decrease military operational effectiveness.
2) The Combat Casualty Care Research Program (CCCRP) provides integrated capabilities for far-forward medical care to reduce the mortality and morbidity associated with major battlefield wounds and injuries.
3) The Military Operational Medicine Research Program (MOMRP) provides biomedical solutions that protect Soldiers and enhance their performance in operational and training environments that include multiple stressors. [a. Injury Prevention and Reduction; b. Psychological Health and Resilience; c. Environmental Health and Protection; d Physiological Health]
4) The Medical Biological Defense Research Program provides medical countermeasures for biological warfare agents. These countermeasures include specialized medical materiel or procedures designed to enhance protection.
5) The Medical Chemical Defense Research Program seeks to preserve combat effectiveness by timely provision of medical countermeasures in response to Joint Service chemical warfare defense requirements.
6) The Clinical and Rehabilitative Medicine Research Program (CRMRP) focuses on the innovations required to reset our wounded warriors, both in terms of duty performance and quality of life. The CRMRP focuses its efforts on the following five research areas: neuromusculoskeletal injury (including amputees), ocular and visual system injury, hearing and vestibular systems injury, chronic pain, and regenerative medicine.
Amount: $1,000,000
LOI:
Deadline: September 30, 2010
To learn more**:**
http://www.grants.gov/search/announce.do;jsessionid=2vmFKPnL20sh2KRqMCTmSnJZ6FC5xZx1mdGGngwpJvfRCHlcTvYN!-1163459943
Key Words**: Battlefield Wounds, Emergency Treatment, Antiparisitics, Infectious Disease**

Department Of Defense Hive/Aids Prevention Program
DHAPP-BAA-10-001
Department of Defense (DOD)
DHAPP continues to rely upon the vital support of various partners, such as non-governmental organizations (NGOs), in implementing HIV prevention, care and treatment programs across the globe. Each country has a customized plan to help the countries' militaries bring its HIV/AIDS programs to sufficient scale to help reduce the spread of the epidemic and mitigate its impact.
DHAPP's current priority activities include the following:
- Institutional capacity building and developing military specific HIV strategic and operational plans that incorporate effective monitoring and evaluation procedures.
- Training of master trainers and peer educators.
- "Troop Level" HIV/AIDS prevention education and behavior change communication.
- Evaluating specific prevention interventions in military contexts
- Providing infrastructure and equipment to support HIV testing, care and/or treatment.
- Increasing testing of all military personnel.
- Developing HIV laboratory diagnostic and monitoring capabilities.
- Increasing clinical capability and other human resources for health care of those infected with HIV.
- Developing or revising military specific HIV policies that specifically address leadership roles, gender norms, gender based violence, stigma and discrimination and structural components necessary for access to care.
- Increasing male circumcision (MC) in high prevalence countries who are supportive of MC as an effective prevention intervention.
- Providing peacekeeping prevention and care interventions in militaries that contribute significant peacekeepers.
This BAA is intended to solicit existing partners and establish new partners in order to expand the DHAPP program.
Amount: $50,000-$300,000
LOI:
Deadline: This announcement will remain open until 30 September 2011. White Papers may be submitted at any time during this period.
To learn more**:**
http://www.grants.gov/search/synopsis.do;jsessionid=RlFgLZJCfZnVyTpKtvX9mkkkCCZlL1Wb7JXyZhn1NRLNRrvlQcLp!-1885924289
Key Words**: HIV/AIDS, Military, Transmission of Infection, Preventative Measures**

Defense Sciences Research & Technology
DARPA-BAA-10-55
Defense Sciences Research & Technology
Defense Sciences Office (DSO)
The mission of the Defense Advanced Research Projects Agency's (DARPA) Defense Sciences Office (DSO) is to pursue and exploit fundamental science and innovation for National Defense. Therefore, DSO is soliciting proposal abstracts and full proposals for advanced research and development in a variety of enabling technical areas.
Basic Neuroscience Research: DSO is interested in neuroscience research ideas enabling innovation in the science and technology for improved human performance, specifically to overcome the challenges encountered in the operational environment. The areas for research may span fundamental, applied, and computational neuroscience.
Physics of Nano-Materials and Devices: DSO is interested in fundamental and applied research in nano-materials, design methodologies, and potential device application (e.g., navigation, communication, and sensing of chemical, biological, optical, infrared, acoustic, magnetic, and other signals of interest).
Basic Biology Research: DARPA is interested in fundamental and applied research in the biological sciences across all scales (e.g., quantum to ecological) to contribute to defense capabilities including development of synergies with other disciplines (e.g., information technology, micro/nanotechnology, manufacturing). While broad in scope, novel approaches to biomedical applications, biological warfare defense, and human performance optimization are of particular interest.
Amount: unspecified
LOI: N/R
Deadline: anytime until May 5, 2011
To learn more**:** https://www.fbo.gov/?s=opportunity&mode=form&id=ffbd2c735e17e3a64fd0c2e4f792ae93&tab=core&_cview=0
Key Words**: Protein Conformation, Safety or Efficacy of Therapeutics and Vaccines, Field Medical Therapies, Technologies for Non-invasive and/or remote Assessment of Physiological Status, Devices for Rapid Synthesis and Molecular Analysis of Biomolecules and Structures, Unidentified Microbes, Neurotrauma, Penetrating and Non-penetrating Injuries, Stress, Real-time Neural Signal Acquisition and Analysis**

AHRQ Small Research Grant Program (R03)
PA-10-168
Agency for Healthcare Research and Quality (AHRQ)
This Funding Opportunity Announcement (FOA) encourages Small Research Grant (R03) applications, and expresses AHRQ portfolio priority areas of interest for ongoing small research projects. The R03 grant mechanism supports different types of health services research projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and, development of new research technology.

Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-168.html
Key Words**: Comparative Effectiveness Research, Prescription Drugs and Medicare, Arthritis and Non-Traumatic Joint Disorders, Cancer, Cardiovascular Disease, Stroke, Hypertension, Dementia, Alzheimer's Disease, Depression, Developmental Delays, ADHD, Autism, Diabetes, Infectious Diseases, HIV/AIDS, Obesity, Peptic Ulcer, Dyspepsia, Pregnancy, Pulmonary Disease/Asthma, Substance Abuse**

Prevention and Management of Healthcare Associated Infections (R18)
PA-10-089
Agency for Healthcare Research and Quality (AHRQ)
The purpose of this funding opportunity is to fund extramural health services research, demonstration, dissemination, and evaluation grants that propose to prevent and more effectively manage healthcare associated infections (HAIs).
Research priorities for this FOA are the: 1) development, implementation and demonstration of the prevention and management of HAIs, along with the determination of the costs of such interventions; 2) determination of the efficacy, effectiveness, and costs of preventative interventions; 3) population-level studies on the patient risk factors, clinical presentation, sources, and disease genotypes of antibiotic-resistant organisms that can result in perceived HAIs. The scientific and practical knowledge to be achieved through these research and demonstration efforts will identify the practical and cost-effective approaches to preventing and managing HAIs.
Amount: $1,500,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-089.html
Key Words**: Hospital Acquired Infections, HAI**

Kidney and Urinary System

Renal Function and Chronic Kidney Disease in Aging (R01) and (R21)
PA-09-165 and PA-09-166
National Institute on Aging (NIA)
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
This Funding Opportunity Announcement (FOA) issued by the National Institute on Aging (NIA) and the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health, invites applications that propose basic, clinical, and translational research on chronic kidney disease (CKD) and its consequences in aging and in older persons. Applications should focus on the 1) biology and pathophysiology of CKD in animal models; 2) etiology and pathophysiology of CKD in the elderly; 3) epidemiology and risk factors for the development of CKD with advancing age; and/or 4) diagnosis, medical management and clinical outcomes of CKD in this population. Research supported by this initiative should enhance knowledge of CKD and its consequences in the elderly and provide evidence-based guidance in the diagnosis, prevention, and treatment of CKD in older persons.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-165.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-166.html
Key Words**: Kidney Disease, Diabetes, Aging**

Ancillary Studies of Acute Kidney Injury, Chronic Kidney Disease, and End Stage Renal Disease Accessing Information from Clinical Trials, Epidemiological Studies, and Databases (R01)
PA-09-196
National Institute of Diabetes and Digestive and Kidney Diseases
National Heart, Lung, and Blood Institute
The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the National Heart Lung and Blood Institute (NHLBI) invite investigator-initiated research project applications for ancillary studies to ongoing or completed clinical trials, existing administrative and clinical databases and epidemiological studies of kidney disease as well as clinical trials and epidemiological studies for other diseases or populations that lend themselves to the study of acute kidney injury and chronic kidney disease. These studies may range from new analyses of existing datasets of completed studies to additional collection of data and biological specimens in ongoing investigations. The goal of these studies should be to extend our understanding of the risk factors for developing kidney disease and their associated co-morbid illnesses such as malnutrition and cardiovascular disease, factors associated with rapid decline in kidney function among persons with chronic kidney disease, and the impact of these diseases on quality of life and mental and physical functioning. Investigations of acute kidney injury, including biomarkers is also an appropriate topic for investigation. Studies

ancillary to both government and non-government supported clinical trials and epidemiological studies are encouraged. Analysis of large public access databases and other databases is also encouraged.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-196.html
Key Words: **Kidney Disease, Chronic, Acute**

Basic and Clinical Studies of Congenital Urinary Tract Obstruction (R01)

PA-09-226
National Institute of Diabetes and Digestive and Kidney Diseases
Eunice Kennedy Shriver National Institute of Child Health and Human Development
This Program Announcement is sponsored by the NIDDK and the NICHD. Congenital obstructive uropathy is one of the major causes of chronic kidney disease and end stage renal disease (ESRD) in infants and children. The pathogenesis of this disorder, however, remains poorly understood. Many controversies and clinical uncertainties exist in the detection, prognosis, and effective treatment strategies for this condition. The impact of early fetal detection and neonatal intervention, the long-term effects of watchful waiting and the various surgical interventions have not been well studied and documented. There is also no consensus on the indications for, or ideal timing of surgical intervention. The purpose of this funding opportunity is to address the numerous scientific and clinical uncertainties related to the development, treatment and prognosis of congenital obstructive uropathy, by encouraging and facilitating research in diverse areas. These areas include: the development of objective prognostic markers; the genetic determinants of this congenital disorder; the development of reliable animal models of the disorder; and, evaluation of the long-term effectiveness of various treatment strategies.
Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-226.html
Key Words: **Congenital Obstructive Uropathy, Kidney Disease, End Stage Renal disease**

Health Disparities in NIDDK Diseases (R01)

PA-09-262
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Institute of Nursing Research (NINR)
The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the National Institute of Nursing Research (NINR) of the National Institutes of Health (NIH) seek research to understand and mitigate issues of health disparities in high priority diseases within their scope, including diabetes, obesity, nutrition-related disorders, hepatitis C, gallbladder disease, H. Pylori infection, sickle cell disease, kidney diseases, urologic diseases, hematologic diseases, metabolic, gastrointestinal, hepatic, and renal complications from infection with HIV.NINR promotes and improves the health of individuals, families, communities, and populations, supports and conducts clinical and basic research and research training on health and illness across the lifespan.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-262.html
Key Words: **Diabetes, Health Disparities, Nursing, Clinical and Basic Research**

Non-Invasive Methods for Diagnosis and Progression of Diabetes, Kidney, Urological, Hematological and Digestive Diseases and Hypertensive Disorders (R01)

PA-09-181
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Heart Lung and Blood Institute (NHLBI)
This Funding Opportunity Announcement (FOA) is a call for the application of imaging and other non- or minimally-invasive technologies to detect, characterize, diagnose, identify persons with predisposition to, or monitor treatment of diseases of interest to the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the National Heart Lung and Blood Institute (NHLBI) of the National Institutes of Health (NIH). Also needed are new, robust surrogate markers for clinical trial endpoints, and new ways to characterize normal and pathological tissues in vivo. Diseases of interest include type 1 and 2 diabetes; acute and chronic kidney disease, liver, urologic, hematologic, digestive, endocrine, and metabolic diseases and their complications; obesity; obesity-related hypertension, hypertension, renal and vascular disorders leading to hypertension. Applicable techniques include molecular imaging and functional imaging approaches, imaging methods with high spatial, chemical or time resolution, metabolomics, proteomics, genomics, or new spectroscopic or sensor array technologies for monitoring metabolic or physiological events.
Amount: varies
LOI: N/R

Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-181.html
Key Words: **Diabetes, Kidney Disease, Type I, Type II**

Development and Validation of Disease Biomarkers (R01)

PA-09-204
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) (http://www2.niddk.nih.gov)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Nursing Research (NINR)
Office of Dietary Supplements (ODS)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), the National Institute of Nursing Research (NINR), and the Office of Dietary Supplements (ODS) of the National Institutes of Health, will provide resources to validate candidate biomarkers for well-defined human diseases of the liver, kidney, urological tract, and digestive and hematologic systems, as well as endocrine and metabolic disorders, diabetes and its complications, and obesity, for which there are no or very few biomarkers, or for which standard biomarkers are currently prohibitively invasive or expensive. A biomarker is an indicator of a disease process, and could replace hard clinical end points as a measure of the effect of new therapies. Appropriate studies will validate candidate biomarkers in well-defined patient populations, provide new technologies to monitor biomarkers or establish reliable assays for validated markers. Progress in this area has the potential to advance translational research related to efficacy of treatments and bio-behavioral interventions. This FOA is not appropriate for biomarker discovery projects.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-204.html
Key Words: **Biomarkers, Translational Research, Therapies**

Adherence Studies in Adolescents with Chronic Kidney or Urologic Diseases, or Diabetes (R01)

RFA-DK-10-004
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
Adherence to a prescribed treatment regimen, including medications, devices and behavioral recommendations, can significantly impact morbidity and mortality for patients with chronic diseases, including chronic kidney or urologic disease and diabetes. When adherence to complex and seemingly rigid treatment regimens is poor, the results can be tragic. Adolescence can also be a particularly challenging time for adherence given the competing demands in an adolescents life, the unique developmental changes, and rapidly changing set of responsibilities as they transition to adulthood. There are few studies in pediatrics beyond the HIV literature that address non-adherence. The purpose of the FOA is to support research to improve adherence in adolescents with chronic kidney or urologic diseases, or diabetes. Therefore, the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) invites applications from new or established investigators to pursue research to better understand factors that influence adherence, develop appropriate measures of adherence, and test innovative strategies to enhance adherence in this vulnerable population.
Amount: $2,500,000
LOI: October 18, 2010
Deadline: November 15, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-10-004.html
Key Words: **Diabetes, Kidney Disease, Adolescents**

Ancillary Studies to Major Ongoing Clinical Research Studies to Advance Areas of Scientific Interest within the Mission of the NIDDK (R01)

PAR-09-247
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
This Funding Opportunity (FOA) encourages Research Project Grant (R01) applications from qualified investigators to conduct ancillary studies to major ongoing clinical research studies, including clinical trials, epidemiological studies and disease databases supported by the National Institute of Diabetes and Digestive and Kidney Diseases. Major studies include multi-center investigations, national databases and Phase 3 clinical trials. Examples of NIDDK-supported major clinical research studies eligible for ancillary studies may be found at http://www2.niddk.nih.gov/Research/ClinicalResearch/AncillaryStudies
Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-247.html
Key Words: **Phase 3 Clinical Trials, Diabetes, Epidemiological Studies**

Pilot and Feasibility Clinical Research Grants in Kidney or Urologic Diseases (R21)
PAR-09-077
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, encourages Exploratory/Development Research Grants (R21) that propose small scale or pilot and feasibility clinical and translational research studies, including epidemiological studies or clinical trials related to kidney or urologic disease research that address important clinical and translational questions and are potentially of high clinical and public health impact. It is anticipated that some projects supported by these grants may lead to full-scale clinical studies including diagnostic strategies, epidemiological studies, or randomized clinical trials of diagnosis, prevention, or treatment of kidney or urologic diseases.
Amount: $500,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-077.html
Key Words**: Kidney Disease, Urinary Disease**

Grants for Research in Glomerular Diseases (R01)
PA-10-113
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
The Division of Kidney, Urologic and Hematologic Diseases (DKUHD) of the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) invites applications from new or established investigators to pursue exploratory investigations of glomerular disease, which would foster development of new ideas enhancing the understanding of disease detection, pathogenesis, pre-emption and/ or treatment.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-113.html
Key Words**: Glomerular Disease**

Calcium Oxalate Stone Diseases (R01)
PA-09-213
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
The purpose of this Funding Opportunity Announcement (FOA) is to increase investigator interest in research into oxalate metabolism, transport and homeostasis, and oxalate stone diseases. This initiative encourages basic, clinical or epidemiological studies that utilize new and innovative approaches to study the diagnosis, treatment and prevention of these disorders.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-213.html
Key Words**: Oxalate Stones**

Advances in Polycystic Kidney Disease (R01)
PA-09-202
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) through its Division of Kidney, Urologic and Hematologic Diseases (DKUHD) invites experienced and new investigators to submit research grant applications to pursue basic and applied investigations in order to better understand the etiology and pathogenesis of Polycystic Kidney Disease (PKD), in both its autosomal dominant and autosomal recessive forms. Such applications may examine the genetic determinants, and cellular and molecular mechanisms, which disrupt normal kidney function; mechanisms of cyst formation and growth; development of experimental model systems; development of markers of disease progression; and the identification of innovative therapeutic interventions and gene targeted strategies to prevent progressive renal insufficiency due to this disorder. The intent of this funding opportunity is to intensify investigator-initiated research, to attract new investigators to the field, and to increase interdisciplinary research. The ultimate aim is to facilitate PKD-related research studies, which will provide the basis for new therapeutic approaches.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-202.html
Key Words**: Polycystic Kidney Disease**

Department of Defense (DOD) Peer Reviewed Cancer Research Program (PRCRP)
Department of Defense (DoD)
Congressionally Directed Medical Research Programs (CDMRP)
The Fiscal Year 2010 (FY10) Defense Appropriation Act provides for $15 million (M) to the Department of Defense (DOD) Peer Reviewed Cancer Research Program (PRCRP) to research cancers not addressed in breast, prostate, lung, and ovarian cancer research programs currently executed by the U.S. Army Medical Research and Materiel Command (USAMRMC) through the Office of the Congressionally Directed Medical Research Programs (CDMRP).
The funds provided are directed to be used to conduct research under the following award mechanisms:
· Concept Award
· Idea Award
· Translational New Investigator Award
Amount: up to $750,000
LOI: July 14, 2010
Deadline: October 20, 2010
To learn more**:** http://cdmrp.army.mil/funding/prcrp.htm
Key Words**: Melanoma and other skin cancers, Pediatric brain tumors within the field of childhood cancer, Genetic cancer research and genomic medicine, Blood cancers, Colorectal cancer, Kidney cancer, Listeria vaccine for cancer, Radiation protection utilizing nanotechnology**

Lung and Sleep

Clinical Centers for the Severe Asthma Research Program (SARP) (U10)
Clinical Coordinating Center for the Severe Asthma Research Program (SARP) (U10)
New
RFA-HL-11-018 and RFA-HL-11-030
National Heart, Lung, and Blood Institute (NHLBI)
The National Heart, Lung, and Blood Institute invites to participate as a Clinical Center in the NHLBI Severe Asthma Research Program (SARP). Accumulating evidence suggests that severe asthma is complex and phenotypically heterogeneous across individuals and time. Not knowing the underlying mechanisms and stability of these sub-phenotypes impedes the development of effective treatments and management strategies. This phase of SARP will develop a new paradigm for understanding severe asthma and its sub-phenotypes, in children and adults, by defining disease at the molecular and cellular level longitudinally. The new SARP investigators will use mechanistic and evoked phenotype approaches to characterize developmental molecular, cellular and physiologic phenotypes in children and adults with mild to severe asthma and to further elucidate the evolving pathobiology and pathogenesis of severe asthma and its sub-phenotypes. SARP investigators will work together to identify the important research questions that require a shared longitudinal protocol which will be conducted across all participating centers and which will include common information on all SARP participants. In addition, SARP investigators will identify mechanistic research questions separate from those proposed for the shared longitudinal protocol which may be investigated using the shared protocol or in participants from one or more centers. The overall aim is to enable prediction of phenotype stability / fluctuation and pharmacologic response, and to identify novel, disease-modifying targets for treatment. This longitudinal mechanistic research approach will provide integrated understanding of the fixed and variable molecular, cellular, and pathophysiologic underpinnings of severe asthma sub-phenotypes. Cross-sectional studies or therapeutic trials are not the intent of this FOA. This program will require multidisciplinary research collaboration and partnerships between asthma clinician-scientists and scientists with expertise in areas such as immunology, pulmonary physiology, molecular genetics, molecular phenotyping, imaging, and bioinformatics. SARP will consist of up to six Clinical Centers, a Clinical Coordinating Center (CCC), and a Steering Committee. This FOA solicits applications for Clinical Centers and runs parallel with a separate FOA that solicits applications for the Clinical Coordinating Center (see RFA-HL-11-030).
Amount: $2,630,000
LOI: September 15, 2010
Deadline: October 15, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-11-018.html and http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-11-030.html
Key Words**:**

NIH Exploratory Developmental Research Grant Program (Parent R21)
PA-10-069
National Institutes of Health (NIH)
multiple institutes
The National Institutes of Health (NIH) Exploratory/Developmental Grant (R21) funding opportunity supports the development of new research activities in categorical program areas. (Support generally is restricted in level of support and in time.) Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigators area of interest and competency. All investigator-initiated exploratory/developmental applications described in

this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests. Investigators are strongly encouraged to consult the list of participating ICs and special research interests. The Exploratory/Developmental Grant (R21) mechanism is intended to encourage exploratory and developmental research projects by providing support for the early and conceptual stages of these projects. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on a field of biomedical, behavioral, or clinical research.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-069.html
Key Words**: Investigator Initiated**

Unique Interactions Between Tobacco Use and HIV/AIDS [(R01) PA-08-253] and [(R03) PA-08-254]
PA-08-253 and PA-08-254
National Institute on Drug Abuse (NIDA)
Fogarty International Center (FIC)
The purpose for this FOA issued by the National Institute on Drug Abuse and the Fogarty International Center encourages Research Project Grant (R01) applications from institutions/organizations that propose to stimulate research related to the unique, interactive health effects of cigarette smoking and HIV/AIDS.
Amount: unspecified
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-253.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-254.html
Key Words**: Smoking, AIDS/HIV**

Aging Studies in the Pulmonary System (R01)
PA-10-179
National Institute on Aging (NIA)
National Heart Lung and Blood Institute (NHLBI)
The National Institute on Aging (NIA) and the National Heart Lung and Blood Institute (NHLBI) invite research project grant applications that explore age-associated changes in pulmonary physiology, pathology and function, and their relationship to respiratory conditions and diseases that occur commonly in older populations. The goal of this FOA is to support basic, clinical and translational research to address physiological mechanisms underlying progressive functional declines in the pulmonary system. This research will likely enhance our basic understanding of molecular and cellular aspects of pulmonary aging, which may translate into improvements in the prevention and management of pulmonary diseases in older persons. Projects involving in vitro studies, animal models, and/or human subjects are of significant interest to NIA and NHLBI.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-179.html
Key Words**:**

Nutrition and Physical Activity Research to Promote Cardiovascular and Pulmonary Health (R01) and (R21)
PA-09-243 and PA-09-244
National Heart, Lung, and Blood Institute (NHLBI)
National Center for Complementary and Alternative Medicine (NCCAM)
National Institute of Nursing Research (NINR)
This FOA encourages Research Project Grant (R01) applications that propose research on the roles of nutrition and physical activity in the development, prevention, and management of cardiovascular diseases (CVD) or pulmonary diseases. In particular, the FOA aims to (1) improve knowledge of the contribution of diet and physical activity to these conditions and how sleep influences these relationships, (2) increase the evidence base for refining public health recommendations and clinical guidelines regarding these lifestyle behaviors, and (3) develop and test strategies to improve the adoption of these recommendations.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-243.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-244.html
Key Words**: Sleep, Physical Activity, Cardiovascular Disease**

Common Pathogenetic Mechanisms of Lung Cancer and COPD (R01)
RFA-HL-11-002
National Heart, Lung, and Blood Institute (NHLBI)
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA) issued by the National Heart, Lung, and Blood Institute and the National Cancer Institute, National Institutes of Health, solicits Research Project Grant (R01) applications from institutions/organizations to identify the fundamental etiopathogenetic commonalities between lung cancer and Chronic Obstructive Pulmonary Disease (COPD) in order to characterize: (a) the genotypic and phenotypic characteristics that determine individual susceptibility; and (b) the shared biochemical, molecular, and immunological pathways involved in the origin and progression of the two diseases.
Amount: $2,340,000
LOI: May 18, 2010
Deadline: June 18, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-11-002.html
Key Words**: Lung Cancer, COPD**

NHLBI Clinical Trial Pilot Studies (R34)
PAR-10-005
National Heart, Lung, and Blood Institute (NHLBI)
The National Heart, Lung, and Blood Institute (NHLBI) (http://www.nhlbi.nih.gov) invites applications proposing pilot studies to obtain data that is critical for the design of robust clinical trials. This Funding Opportunity Announcement (FOA) should be used to fill gaps in scientific knowledge necessary to develop a competitive full-scale clinical trial. Appropriate pilot studies might demonstrate feasibility of an intervention or an experimental design, estimate intervention parameters, or gather other data important for the design of a trial. Applicants who propose solely to write a protocol or manual of operations or to develop infrastructure for a clinical trial will not be considered appropriate for to this announcement. Applications must demonstrate that the proposed pilot studies are both necessary and sufficient to permit the design of the clinical trial.
Amount: $450,000
LOI: 30 days prior to standard application due dates
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-005.html
Key Words**: Clinical Trials, Heart, Lung, Blood, or Sleep Disorders**

NHLBI Systems Biology Collaborations (R01)
PAR-09-214
National Heart, Lung, and Blood Institute (NHLBI)
This FOA issued by the National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose collaborative systems biology research projects by multi-disciplinary teams to advance our understanding of normal physiology and perturbations associated with heart, lung, blood, and sleep (HLBS) diseases and disorders. Multi-disciplinary expertise across experimental and computational domains is required and the multi-PI mechanism is allowed, as integration across these domains is a critical element of the proposed research plan.
Amount: varies
LOI: August 14, 2010; December 14, 2010; August 14, 2011; December 14, 2011
Deadline: September 14, 2010; January 13, 2011; September 14, 2011; January 13, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-214.html
Key Words**: Heart, Lung, Blood and Sleep Disorders**

Research Dissemination and Implementation Grants (R18)
PAR-10-114
National Heart, Lung, and Blood Institute (NHLBI)
The purpose of this Funding Opportunity Announcement (FOA) is to support dissemination and implementation studies to (1) develop innovative approaches to translating efficacious treatments and effective prevention modalities for heart, lung, and blood diseases and sleep disorders to the clinic, community, and/or other real-world settings; (2) test the effectiveness, sustainability, determinants, and cost-effectiveness of these approaches in real-world settings; and (3) examine the effectiveness of interventions as they are disseminated and implemented in real-world settings to reduce risk factors for and enhance prevention and treatment of heart, lung, and blood diseases and sleep disorders. Mechanism of Support. This FOA will utilize the NIH Research Demonstration and Dissemination Project (R18) grant mechanism. Funds Available and Anticipated Number of Awards. Awards issued under this FOA are contingent upon the availability of funds and the submission of a sufficient number of meritorious applications.
Amount: varies
LOI: April 25, 2010; thirty days prior
Deadline: May 25, 2010, then standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-114.html

Key Words**: Comparative Effectiveness, Asthma, Hypertension, Blood Lipids, Smoking, Myocardial Infarction, Cerebrovascular Disease, Stroke, Sleep Apnea, Emphysema, Cystic Fibrosis, Occupational Lung Disease, Pulmonary Vascular Disease**

Ancillary Studies in Clinical Trials (R01)

RFA-HL-10-024
National Heart, Lung, and Blood Institute (NHLBI)
The purpose of this Funding Opportunity Announcement (FOA) is to solicit research grant applications to conduct time-sensitive ancillary studies related to heart, lung, and blood diseases and sleep disorders in conjunction with ongoing clinical trials and other large clinical studies supported by NIH or non-NIH entities. The program establishes an accelerated review/award process to support the crucial time frame in which these ancillary studies must be performed. Time-sensitive ancillary studies include those that require active longitudinal data collection and thus need to begin recruiting subjects as close as possible to the start of the parent study. The ancillary study can address any research questions related to the mission of NHLBI for which the parent study can provide participants, infrastructure, and data. The parent studies most often will be a clinical trial, but also can be an observational study or registry that can provide a sufficient cohort of well-characterized patients. Each ancillary study application must demonstrate the time-sensitive nature of the proposal and must explicitly address why an expedited review is essential to its feasibility.
Amount: $1,000,000
LOI: August 30, 2010, December 28, 2010
Deadline: September 30, 2010, January 28, 2011
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-10-024.html
Key Words**: Clinical Trials**

MAPGen Knowledge Base (MAPGenKB) and Coordination Center (U01)

RFA-HL-11-004
National Heart, Lung, and Blood Institute (NHLBI)
The National Heart, Lung, and Blood Institute (NHLBI) encourages grant applications under this Funding Opportunity Announcement (FOA) to develop and implement a Knowledge Base (KB) and Coordinating Center for the Consortium of Cross Organ Mechanism-Associated Phenotypes for Genetic Analyses of Heart, Lung, Blood, and Sleep Diseases (MAPGen for HLBS). This is one of two FOAs for the MAPGen program. The other FOA is for the Research Centers (RCs) of MAPGen and described separately in RFA-HL-11-005. The MAPGenKB will provide logistical and informatics support for the research across all RCs in the MAPGen consortium and synthesize the knowledge from the datasets of the RCs and other sources that are relevant to the goals of the MAPGen consortium. The data and tools generated from this consortium will be made available to the broad scientific community.
Amount: $5,500,000
LOI: August 2, 2010
Deadline: September 1, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-11-004.html
Key Words**: Genetic Analyses, Informatics**

Cross Organ Mechanism-Associated Phenotypes for Genetic Analyses of Heart, Lung, Blood, and Sleep Diseases (MAPGen for HLBS) Research Centers (U01)

RFA-HL-11-005
National Heart, Lung, and Blood Institute (NHLBI)
The purpose of this FOA issued by the NHLBI, National Institutes of Health, is to invite applications to participate in the MAPGen consortium. This consortium seeks to utilize evolving knowledge of cellular and molecular networks to define common mechanism-associated traits across organ systems. The ultimate goal is to re-define disease at the level of pathogenetic mechanisms and phenotype individuals based on pathobiology, rather than clinical presentation. This approach will provide the basis for the development of mechanism-based strategies for prevention, diagnosis and treatment in individual patients. This FOA encourages applications for research centers and runs in parallel with a separate FOA that solicits applications for the MAPGen Knowledge Base and Coordination Center (MAPGenKB) (see HL-11-004).
Amount: up to $1,600,000
LOI: August 2, 2010
Deadline: September 1, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-11-005.html
Key Words**: Biomarkers, Toll-like Receptor Type 2, Asthma, Diabetes, T Regulatory Cells, PPARg, Fat Disposition, Inflammatory Cytokines, Hypertension, Dementia, Smoking, Sleep Disorders**

Translational Programs in Lung Diseases (P01)

PAR-09-185
National Heart, Lung, and Blood Institute

This FOA issued by the NHLBI, National Institutes of Health, solicits Program Project Grant (P01) applications from institutions/organizations that will perform collaborative, translational research that moves mechanistic research to clinical applications to improve prevention, diagnosis and/or treatment of lung diseases and sleep disorders.
Amount: $8,750,000
LOI: August 25, 2010; April 25, 2011; August 25, 2011; April 26, 2012; August 25, 2012
Deadline: September 25, 2010; May 25, 2011; September 25, 2011; May 26, 2012; September 25, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-185.html
Key Words**: Sleep Disorders, Lung Diseases**

Investigator Initiated Multi-Site Clinical Trials (Collaborative R01)
PAR-10-096
National Heart, Lung, and Blood (NHLBI)
The purpose of this Funding Opportunity Announcement is to provide a vehicle for submitting grant applications for investigator-initiated multi-site Phase II or Phase III randomized, controlled clinical trials. The trials may address any research question related to the mission and goals of NHLBI and may test clinical or behavioral interventions.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-096.html
Key Words**: Clinical Trials**

NHLBI Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral MD/PhD Fellows (F30)
PA-09-232
National Heart, Lung and Blood Institute (NHLBI)
The National Heart, Lung, and Blood Institute (NHLBI) is interested in supporting individual predoctoral fellowships for combined MD/PhD training in research areas relevant to the mission of the NHLBI. The NHLBI mission is to provide leadership for national programs in diseases of the heart, blood vessels, lung, and blood; blood resources; and sleep disorders.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-232.html
Key Words**: MD/PhD Fellowships**

Testing Tobacco Products Promoted to Reduce Harm (R01) and (R21)
PA-09-046 and PA-09-047
National Cancer Institute (NCI)
National Institute on Drug Abuse (NIDA)
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI) and the National Institute on Drug Abuse (NIDA), invites applications that propose multidisciplinary research on potential reduced-exposure tobacco products, both smoked and smokeless. The multidisciplinary studies can span basic, biological, behavioral, surveillance, and epidemiology research. The tobacco industry is currently promoting several new products with claims that they: a) are less either harmful or less addictive; and b) purportedly deliver lower amounts of toxic, carcinogenic, and/or addictive agents to the user compared with conventional products. However, to date, the scientific evidence is insufficient to evaluate whether these new products actually reduce the users' exposure or risk for tobacco-related diseases. The overarching goal of this FOA is to determine whether potential reduced-exposure tobacco products provide a truly, less-harmful alternative to conventional tobacco products, both at the individual and population level.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-046.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-047.html
Key Words**: Tobacco, Smokeless Tobacco, Tobacco-related Disease**

Pilot and Feasibility Awards
Research Grants
LeRoy Matthews Physician/Scientist Award and the Harry Shwachman Clinical Investigator Award
Cystic Fibrosis Foundation Therapeutics, Inc. (CFFT)
The CF Foundation (CFF) offers competitive awards for research related to cystic fibrosis. Studies may be carried out at the subcellular, cellular, animal, or patient levels. Two of these funding mechanisms include Pilot and Feasibility Awards and Research Grants. Since these applications are reviewed by the CFF's Research and Research Training Committee, those proposals that include methodologies

requiring sampling of materials from human subjects will only be considered under this mechanism if the sampling method constitutes minimal patient risk (e.g., venipuncture) and patient samples or data are anonymous.
For applications where more invasive procedures are proposed or where patient samples or data will not be anonymous, please submit a Letter of Intent for a Clinical Research Award.
Also, the CF Foundation offers physician-scientist training awards, including the LeRoy Matthews Physician/Scientist Award and the Harry Shwachman Clinical Investigator Award.
Amount: varies
LOI: the CF Foundation will consider NIH applications that have received a competitive score but missed the payline under the CFF/NIH-unfunded award mechanism. These applications are accepted on an on-going basis.
Deadline: first Wednesday in September
To learn more**:** http://www.cff.org/research/ForResearchers/FundingOpportunities/ResearchGrants/
Key Words**: Cystic Fibrosis**

Men and Women's Health

Community Grant Program

New

March of Dimes Nebraska State Chapter
Launched in 2003, the March of Dimes Prematurity Campaign is a multiyear, multimillion-dollar research, awareness and education campaign to help families have healthier babies. The campaign includes: 1.) funding research to find the causes of premature birth, 2.) educating women about risk reduction st strategies, including the signs and symptoms of premature labor, 3.) providing support to families affected by prematurity, 4.) expanding access to health care coverage so that more women can get early and adequate prenatal care, 5.) helping health care providers learn ways to help reduce the risk of early delivery, and 6.) advocating for access to insurance to improve maternity care and infant health outcomes.
As part of this effort, the Nebraska Chapter community grants program is designed to invest in priority projects that further the March of Dimes mission, support national campaign objectives , and further our strategic goal of reducing disparities in birth outcomes.
Amount: $6,000
LOI: N/R
Deadline: September 15, 2010
To learn more**:** For additional information or toobtain an application, contact: Mary Larsen, Director Program ServicesMarch of Dimes Nebraska State Chapter
11840 Nicholas St., Suite 220
Omaha, NE, 68154
Phone: 402-496-7111
Fax: 402-496-4635
mclarscn@marcllofdimcs.com
Key Words**: Risk Reduction, Prenatal Health Education, Alcohol or other Drugs; Health Education, Premature Birth Recurrence Prevention, Equity in Birth Outcomes, Diabetes and Hypothyroidism, Maternal Child Health Programs**

Postdoctoral Research Training for Obstetricians and Gynecologists (T32)

New

PAR-10-203
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institutes of Health (NIH) will award Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) to eligible institutions as the primary means of supporting predoctoral and postdoctoral research training to help ensure that a diverse and highly trained workforce is available to assume leadership roles related to the Nation's biomedical, behavioral and clinical research agenda. The primary objective of the T32 program is to prepare qualified individuals for careers that have a significant impact on the health-related research needs of the Nation. The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) will award T32 programs is to prepare qualified obstetricians and gynecologists to assume leadership roles related to the Nation's biomedical, behavioral and clinical research agenda through a training program composed of a collaboration between a department of obstetrics and gynecology and a department of epidemiology, biostatistics, or preventive medicine (or equivalent). This initiative will increase the cadre of obstetrician gynecologists with good epidemiologic and clinical trials training to better carry out future clinical and translational research.
Amount: varies
LOI: June 28, 2010, April 25, 2011, April 25, 2012
Deadline: July 28, 2010, May 25, 2011, May 25, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-203.html

Key Words:

Post Baccalaureate Training in Disparities Research
Susan G. Komen for the Cure Foundation
PBT-DR grants seek to support training for students very early in their careers to allow them to begin to define meaningful career paths focused on disparities in breast cancer outcomes across population groups.
Amount: $135,000
LOI: September 22, 2010
Deadline: December 20, 2010
To learn more: http://ww5.komen.org/ResearchGrants/FundingOpportunities.html
Key Words:

Postdoctoral Fellowships
Susan G. Komen for the Cure Foundation
PDF Grants seek to attract scientists into careers addressing important research questions about breast cancer, expand the skills and expertise of breast cancer researchers in training, and position trainees for independent careers conducting breast cancer research that will directly affect breast cancer patients..
Fellowships are awarded to the mentor/PI. By the start date of the grant, fellows must be no more than 3 years post-completion of his/her most recent clinical M.D. fellowship or 5 years post-completion of his/her most recent M.D. residency or Ph.D.
Amount: $180,000
LOI: September 22, 2010
Deadline: December 20, 2010
To learn more: http://ww5.komen.org/ResearchGrants/FundingOpportunities.html
Key Words:

Investigator-Initiated and Career Catalyst Research Grants
Susan G. Komen for the Cure Foundation
IIR Grants provide up to $600,000 over three years to stimulate exploration of new ideas and novel approaches in breast cancer research and clinical practice that will lead to reductions in breast cancer incidence and mortality within the next decade. Komen is introducing a new approach to its IIR RFA in an effort to align supported research projects with Komen's annual strategic objectives and to provide consistency for the research community. For the next few years, the IIR RFA will focus on four standing topic areas—prevention/early detection; novel therapeutics and resistance; the biology of breast cancer; and disparities—within which very specific research issues will be identified for that year's RFA. This year's research areas are as follows: Prevention/Early Detection – Molecular Predictors of High Risk and Early Disease; Novel Therapeutics and Resistance – Targeted Therapies for Endocrine Resistant Disease; Biology of Breast Cancer – 1) Therapeutic Implications of Micrometastases and 2) Epigenetic Alterations; and all issues relevant to Disparities in Breast Cancer Outcomes.
Amount: up to $600,000
LOI: June 25, 2010
Deadline: September 20, 2010 (invitation only)
To learn more: http://ww5.komen.org/researchgrants/grantprograms.html?ecid=vanityurl:11
Key Words:

Promise Grants
Susan G. Komen for the Cure Foundation
Promise Grants seek to support integrated programs of collaborative and cross-disciplinary research projects leading to the aggressive translation of scientific discoveries into interventions and strategies that have the greatest potential to significantly reduce breast cancer incidence and mortality,.
NEW! Scientific focus on novel therapeutics as addressed by resistance.
Amount: up to $5,000,000
LOI: July 15, 2010
Deadline: December 1, 2010
To learn more: http://ww5.komen.org/ResearchGrants/FundingOpportunities.html
Key Words:

Chronic Fatigue Syndrome: Pathophysiology and Treatment [(R01) PA-08-246] and [(R21) PA-08-247]
PA-08-246 and PA-08-247

Office of Research on Women's Health
National Center for Complementary and Alternative Medicine
National Institute on Aging
National Institute on Alcohol Abuse and Alcoholism
National Institute of Allergy and Infectious Diseases
National Institute of Arth
This Funding Opportunity Announcement (FOA) issued by the Office of Research on Women's Health (ORWH) and co-sponsoring Institutes and Centers (ICs) of the National Institutes of Health (NIH) encourages investigator(s)-initiated applications that propose to examine the etiology, diagnosis, pathophysiology, and treatment of chronic fatigue syndrome (CFS), also known as myalgic encephalomyelitis (ME/CFS) in diverse groups and across the lifespan. Innovative applications that address gaps in the understanding of the environmental and biological risk factors, the determinants of heterogeneity among patient populations, and the common mechanisms influencing the multiple body systems that are affected in CFS are encouraged. The NIH is particularly interested in funding interdisciplinary research that will enhance our knowledge of the disease process and provide evidence based solutions to improve the diagnosis, treatment, and quality of life of all persons with CFS. This FOA will utilize the NIH Research Project Grant (R01) award mechanism and runs in parallel with a FOA of identical scientific scope, PA-08-247, that encourages applications under the NIH Exploratory/Developmental (R21) grant mechanism.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-246.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-247.html
Key Words**: Myalgic Encephalomyelitis, Chronic Fatigue Syndrome, CFS**

Role of Adipose Tissue as an Endocrine Organ in Reproduction and Infertility (R01) [PA-08-059] and (R21) [PA-08-060]]
PA-08-059 and PA-08-060
NIH
This Funding Opportunity Announcement (FOA) issued by the National Institute of Child Health and Human Development, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/ organizations that propose to better understand the role of adipose tissue in the normal physiological regulation of reproduction, to discern its possible role in the etiology of diseases and disorders that impact human fertility, and to probe its potential importance in different racial/ethnic prevalence rates of certain reproductive disorders.
Amount: varies
LOI: N/R
Deadline: multiple, see link
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-059.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-060.html
Key Words**:**

Research Supplements to Promote Re-Entry Into Biomedical and Behavioral Research Careers - ODS
PA-04-126
National Institutes of Health (NIH)
Office of the Director (OD)
Office of Dietary Supplements
The Office of Research on Women's Health (ORWH), participating Institutes and Centers (ICs) of the National Institutes of Health (NIH), and the Office of Dietary Supplements (ODS) announce a continuing program for administrative supplements to research grants to support individuals with high potential to re-enter an active research career after taking time off to care for children or attend to other family responsibilities. The aim of these supplements is to encourage such individuals to re-enter research careers within the missions of all the program areas of NIH. This program will provide administrative supplements to existing NIH research grants for the purpose of supporting full-time or part-time research by these individuals in a program geared to bring their existing research skills and knowledge up to date. It is anticipated that at the completion of the supplement, the re-entry scientist will be in a position to apply for a career development (K) award, a research award (R), or some other form of independent research support. A second objective of the program is to mentor and guide those who receive support to reestablish careers in biomedical, behavioral, clinical or social science research. In all cases, the proposed research must be directly related to the funded approved ongoing research of the parent grant or cooperative agreement.
Amount: unspecified
LOI: N/R
Deadline: continuous
To learn more**:** http://grants1.nih.gov/grants/guide/pa-files/PA-04-126.html
Key Words**: Biomedical Research (Multidisciplinary), Nutrition Education, Nutrition or Dietetics**

Contextual Approaches to Prevention of Unintended Pregnancy

[(R01) PA-09-014] and [(R21) PA-09-015]
PA-09-014 and PA-09-015
National Institutes of Health
The purpose of this Funding Opportunity Announcement (FOA) is to strengthen and revitalize scientific research on the prevention of unintended pregnancies in the United States. The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) invites R01 research grant applications that will inform interventions addressing the cultural and structural factors that produce high rates of unintended pregnancy across the reproductive age span, especially in low-income populations in the United States. These interventions can operate at a wide range of levels, from clinical interventions to interventions that influence cultural, economic, social, structural, and/or policy factors contributing to unintended pregnancy. -Mechanism of Support. This FOA will utilize the R01 grant award mechanism and runs in parallel with a FOA of identical scientific scope, PA-09-015, that solicits applications under the NIH Exploratory/Developmental (R21) grant award mechanism.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-014.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-015.html
Key Words**: Pregnancy, Pregnancy Prevention, Unintended Pregnancy**

Medications Development for the Treatment of Pregnant/Postpartum Women with Substance Related Disorders and/or In Utero Substance Exposed Neonates (R01) and (R21)
PA-09-106 and PA-09-107
National Institute on Drug Abuse
The purpose of this FOA is to foster the development of novel pharmacological strategies for the treatment of pregnant/postpartum women with Substance Related Disorders (SRDs) and/or in utero substance exposed neonates. To that end, this FOA issued by NIDA, National Institutes of Health, will encourage applications to implement preclinical and clinical research directed towards: 1) the identification, evaluation, and development of safe and effective novel pharmacotherapies (e.g., new chemical entities or immunotherapies) for the treatment of pregnant/postpartum women with SRDs and/or in utero substance exposed neonates, and/or 2) the evaluation of the safety and efficacy of FDA approved medications (e.g., medications approved for a different indication) for the treatment of pregnant/postpartum women with SRDs and/or in utero substance exposed neonates.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-106.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-107.html
Key Words**: Fetal Maternal Health, Substance Abuse**

Bioenergetics, Fatigability, and Activity Limitations in Aging (R01) and (R21) and (R03)
PA-09-190
National Institute on Aging (NIA)
National Heart, Lung, and Blood Institute (NHLBI)
National Institute of Nursing Research (NINR)
Office of Research on Women's Health (ORWH)
Office of Dietary Supplements (ODS)
This FOA issued by the National Institute on Aging (NIA), the National Heart, Lung, and Blood Institute (NHLBI), the National Institute of Nursing Research (NINR), the Office of Research on Women's Health (ORWH), and the Office of Dietary Supplements (ODS). encourages Research Project Grant (R01) applications proposing to study bioenergetic factors underlying increased fatigability and activity limitations in aging. Increased fatigability is a significant cause of restricted physical and cognitive activity in older adults. Alterations in bioenergetics—the production and utilization of energy, and the regulation of these processes—may contribute significantly to increased fatigability. This FOA encourages applications that propose to 1) elucidate specific alterations in bioenergetics related to increased fatigability and activity limitations; 2) develop and evaluate improved measures of fatigability related to bioenergetics; 3) evaluate interventions for increased fatigability and activity limitations that target alterations in bioenergetics and lead to improved quality of life.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-190.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-191.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-192.html
Key Words**: Aging, Fatigability, Bioenergetics**

Women's Mental Health in Pregnancy and the Postpartum Period (R01)
PA-09-174 and PA-09-175
National Institute of Mental Health (NIMH)

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Institute on Drug Abuse (NIDA)
Center for Primary Care, Prevention, and Clinical Partnerships (CP3)
In this Funding Opportunity Announcement (FOA), the National Institute of Mental Health (NIMH), the National Institute on Drug Abuse (NIDA), the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), and the Agency for Healthcare Research and Quality, encourage research on women's mental health in relation to pregnancy and the postpartum period. As illustrated by a few highly publicized cases, the consequences of severe untreated postpartum depression and psychosis can be devastating for individuals, families, and communities. A recent evidence-based practice report from the Agency for Healthcare Research and Quality noted that depression is also prevalent during pregnancy as well as the postpartum period, therefore research that occurs throughout pregnancy and the postpartum period (the perinatal period) is encouraged.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-174.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-175.html
Key Words**: Post-Partum Depression**

Microbicide Innovation Program (MIP VI) (R21/R33)
RFA-AI-10-011
National Institute of Allergy and Infectious Disease (NIAID)
National Institute of Mental Health (NIMH)
Office of Research on Women's Health (ORWH)
This FOA, the Microbicide Innovation Program (MIP VI), issued by NIAID, encourages Research Project Grant (R21/R33) applications in the field of topical microbicides to advance: Development of new microbicide approaches and additional rational targets through preclinical and basic research Discovery and characterization of microbicides (singly or in combinations) directed against HIV or STIs (Sexually Transmitted Infections) that are linked to HIV acquisition The identification and promotion of emerging technologies or models that contribute to the development of new and/or more efficient ways of assessing microbicide safety, efficacy and acceptability Design of complex prevention strategies that incorporate vaginal, rectal, and/or penile applied microbicides.
Amount: $275,000
LOI: June 9, 2010
Deadline: July 9, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-10-011.html
Key Words**:**

In Utero Exposure to Bioactive Food Components and Mammary Cancer Risk (R01) [PA-08-0140]
In Utero Exposure to Bioactive Food Components and Mammary Cancer Risk (R21) [PA-08-0141]
PA-08-140 and PA-08-141
National Cancer Institute
National Institute of Environmental Health Sciences
Office of Dietary Supplements
This Funding Opportunity Announcement (FOA) encourages innovative preclinical research applications that will enhance the understanding of the relationship between exposure(s) to bioactive food components and/or environmental chemicals in utero, hormonal and growth-factor response, gene expression or epigenetic changes, and subsequent mammary cancer risk in preclinical models. This FOA encourages applications that apply new high-throughput genomic, epigenomic, proteomic, and metabolomic technologies to determine how dietary exposures in utero influence adult breast cancer susceptibility. The resulting information will help define effective maternal dietary intervention strategies for breast cancer prevention in offspring.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-140.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-141.html
Key Words**:**

Predoctoral and Postdoctoral Training Program in Reproductive, Obstetric, Perinatal and Pediatric Epidemiology and Pharmacoepidemiology (T32)
PAR-10-194
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
This Funding Opportunity Announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), solicits grant applications from institutions/ organizations for the predoctoral and postdoctoral training program in reproductive, obstetric, perinatal and pediatric epidemiology and pharmacoepidemiology. This program supports broad and fundamental, early stage graduate research training and postdoctoral training in reproductive, obstetric, perinatal, and pediatric epidemiology as well as pharmacoepidemiology via institutional training grants.

Amount: varies
LOI: June 14, 2010, April 25, 2011, April 25, 2012
Deadline: July 13, 2010, May 25, 2011, May 25, 2012
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-194.html
Key Words:

Vulvodynia - Systematic Epidemiologic, Etiologic or Therapeutic Studies (R01), (R03) and (R21)
PAR-10-190, PAR-10-191 and PAR-10-192
Eunice Kennedy Shriver National Institute of Child Health and Human Development
The purpose of this Funding Opportunity Announcement (FOA) is to invite investigator-initiated applications that address basic, clinical, translational, epidemiological and/or behavioral research on vulvodynia and related symptom-based conditions. The goal of the initiative is to facilitate new research on diagnostic, prevention, and therapeutic approaches to vulvodynia, a chronic pelvic pain condition in women. An expected outcome will be to provide findings useful for development of future prevention or treatment strategies. It is anticipated that these studies will increase our understanding of the pathophysiology, biologic and behavioral risk factors, natural history, and genetics of vulvodynia.
Amount: varies with the award
LOI: August 20, 2010, August 20, 2011, August 20, 2012
Deadline: September 21, 2010, September 21, 2011, September 21, 2012
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-190.html and http://grants.nih.gov/grants/guide/pa-files/PAR-10-191.html and http://grants.nih.gov/grants/guide/pa-files/PAR-10-192.html
Key Words:

Miscellaneous

Advances in Biological Informatics (ABI)
New
NSF 10-567
National Science Foundation (NSF)
The Advances in Biological Informatics (ABI) program seeks to encourage new approaches to the analysis and dissemination of biological knowledge for the benefit of both the scientific community and the broader public. The ABI program is especially interested in the development of informatics tools and resources that have the potential to advance, or transform, research in biology supported by the Directorate for Biological Sciences at the National Science Foundation. The ABI program accepts two major types of proposals: Innovation awards that seek to pioneer new approaches to the application of informatics to biological problems and Development awards that seek to provide robust cyberinfrastructure that will enable transformative biological research.
Amount: varies
LOI: N/R
Deadline: August 23, 2010
To learn more: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5444
Key Words:

Long Range Broad Agency Announcement (Baa) For Navy And Marine Corp Science And Technology
BAA-10-001
Office of Naval Research (ONR)
The Office of Naval Research (ONR) is interested in receiving proposals for Long-Range Science and Technology (S&T) Projects which offer potential for advancement and improvement of Navy and Marine Corps operations. Readers should note that this is an announcement to declare ONR's broad role in competitive funding of meritorious research across a spectrum of science and engineering disciplines.
Prior to preparing proposals, potential offerors are strongly encouraged to contact the ONR point of contact (POC) whose program best matches the offeror's field of interest. For information on POCs, refer to the ONR "Science and Technology Departments" as listed in the Science and Technology section of the ONR Home Page accessible through
the World Wide Web at http://www.onr.navy.mil/ and for ONR's International Agent located on the ONR Global Homepage at http://www.onrglobal.navy.mil/. A list of the Department Codes can be found at http://www.onr.navy.mil.
Work funded under a BAA may include basic research, applied research and some advanced technology development (ATD).
Research Protections Division subject areas (see web site for more subject areas):
Human subject research is critical to support the warfighter, Navy and Marine Corps training, operational capability, and the competency of the Navy medical department. This research includes the test and evaluation (T&E) of personal protective equipment such as body armor, hearing protection, and helmets; human factors engineering for combat stations/systems; improving treatment of

decompression sickness; reducing spatial disorientation in aviators; and maximizing human performance and endurance, among many others.
Amount: varies
LOI: N/R
Deadline: September 30, 2010
To learn more**:** http://www.onr.navy.mil/02/baa/docs/10-001.pdf
Key Words**: Federal Funding, ONR**

Minor Use Minor Species Development of Drugs; Research Project Grant (R01)

RFA-FD-10-001
Office of Minor Use and Minor Species (MUMS) Animal Drug Development
This FOA is issued by the Food and Drug Administration (FDA), Center for Veterinary Medicine (CVM), and solicits Research Project (R01) grant applications from institutions/organizations that propose to develop, or support the development of, new animal drugs for intended minor use in major species or intended use in minor species. Only new animal drug products that have been designated in accordance with the provisions of section 573 of the Federal Food, Drug, and Cosmetic Act (the act) (21 U.S.C. 360ccc-2) and 21 CFR Part 516 are eligible for grants. FDA is authorized to provide grants for designated new animal drugs to assist in defraying the costs of qualified safety and effectiveness testing. This FOA relates to grants to assist in defraying the costs of qualified safety and effectiveness testing when a grant will either result in, or substantially contribute to, approval or conditional approval of a designated MUMS drug. Applicants must include an explanation of how the proposed study will help gain product approval or conditional approval in the application's "Background and Significance" section. All funded studies are subject to the requirements of the act (21 U.S.C. 331 et seq.), regulations issued under it, and applicable Department of Health and Human Services (HHS) statutes and regulations.
Amount: $300,000
LOI: N/R
Deadline: September 3, 2010, February 4, 2011, August 5, 2011
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-FD-10-001.html
Key Words**: Animal Drugs**

Thyroid in Aging
(R01) [PA-08-037] and (R21) [PA-08-038] and (R03) [PA-08-039]

PA-08-037
NIH
The purpose of this funding opportunity announcement (FOA) is to encourage submission of investigator-initiated research applications on the thyroid in aging. This FOA is intended to promote basic, translational, and clinical studies leading to increased understanding of the physiology of the aging thyroid and improved diagnosis and management of thyroid disease in older adults
Amount: varies
LOI: N/R
Deadline: multiple; see announcement
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-037.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-038.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-039.html
Key Words**:**

Research Coordination Networks in Biological Sciences

NSF 09-554
National Science Foundation (NSF)
Support will be provided for groups of investigators to communicate and coordinate their efforts across disciplinary, organizational, institutional and geographical boundaries. The objectives are to facilitate open communication and exchange of information and resources, to integrate research and/or education activities of scientists working independently on topics of common interest, to nurture a sense of community among young scientists, and to minimize isolation and maximize cooperation so as to eliminate unnecessary duplication of efforts. Specific features of the program include:
Topic/focus of research coordination
Principal investigator (PI)
Group members
International participation
Coordination/management mechanism
Information and material sharing
Amount: $250,000-$500,000
LOI: N/R
Deadline: July 5, 2010
To learn more**:** http://www.nsf.gov/pubs/2009/nsf09554/nsf09554.htm?govDel=USNSF_25
Key Words**: International Collaboration**

NIH Exploratory Developmental Research Grant Program (Parent R21)
PA-10-069
National Institutes of Health (NIH)
multiple institutes
The National Institutes of Health (NIH) Exploratory/Developmental Grant (R21) funding opportunity supports the development of new research activities in categorical program areas. (Support generally is restricted in level of support and in time.) Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigators area of interest and competency. All investigator-initiated exploratory/developmental applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests. Investigators are strongly encouraged to consult the list of participating ICs and special research interests. The Exploratory/Developmental Grant (R21) mechanism is intended to encourage exploratory and developmental research projects by providing support for the early and conceptual stages of these projects. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on a field of biomedical, behavioral, or clinical research.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-069.html
Key Words**: Investigator Initiated**

NIH Small Research Grant Program (Parent R03)
PA-10-064
National Institutes of Health (NIH)
multiple institutes
The National Institutes of Health (NIH) Investigator-Initiated Small Grant (R03) funding opportunity supports small research projects that can be carried out in a short period of time with limited resources. Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigator's area of interest and competency. All investigator-initiated small grant applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests. Investigators are strongly encouraged to consult the list of participating ICs and special research interests. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.
Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-064.html
Key Words**: Genome Research, Drug Abuse, Aging, Child Health and Development, Nursing**

Research Project Grant (Parent R01)
PA-10-067
National Institutes of Health (NIH)
multiple institutes
The Research Project Grant (R01) is an award made to an institution/organization to support a discrete, specified, circumscribed project to be performed by the named investigator(s) in areas representing the specific interests and competencies of the investigator(s). The R01 research plan proposed by the applicant institution/organization must be related to the stated program interests of one or more of the NIH Institutes and Centers (ICs) based on descriptions of their programs.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-067.html
Key Words**: Eye, Cancer, Imaging. Alcohol Abuse. Aging, Arthritis, CAM, Deafness, Dental, Diabetes, Environmental Health Sciences**

Bioengineering Research Grants (BRG)(R01)
Exploratory/Developmental Bioengineering Research Grants (EBRG) [R21]
PA-10-009 and PA-10-010

National Institutes of Health (NIH)
multiple agencies
Participating Institutes and Centers of the NIH invite applications for R01 awards to support Bioengineering Research Grants (BRGs) for basic and applied multi-disciplinary research that addresses important biological, bioengineering or medical research problems. The BRGs support multi-disciplinary research performed in a single laboratory or by a small number of investigators that applies an integrative, systems approach to develop knowledge and/or methods to prevent, detect, diagnose, or treat disease or to understand health and behavior. A BRG application may propose hypothesis-driven, discovery-driven, developmental, or design-directed research.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-009.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-010.html
Key Words**: Bioengineering, Technology**

NIDCD Research Core Centers (P30)
PAR-10-077
National Institute on Deafness and Other Communication Disorders (NIDCD)
The NIDCD P30 Core Center grant contains one or more research-serving cores, providing centralized resources and facilities for funded R01 research projects. Although no funds are provided for direct support of research projects, a P30 helps to integrate and promote research in existing funded projects, and may include multi-disciplinary and regional collaborations. A Core Center must be an identifiable organizational unit either within a single grantee institution or representing a consortium of cooperating institutions (e.g., geographic or web-based). The Center may serve as an intellectual hub to stimulate cooperative research, to increase the effectiveness, capabilities or productivity of current research, and/or to promote new research directions through collaborations. Individual research cores of the Core Center may provide for sharing technical expertise or centralizing labor-intensive tasks common among several investigators (PD/PIs); staffing, training and maintenance of shared equipment or resources, including tools or staffing to enhance activities such as recruitment databases for clinical projects; or problem-solving through innovative technical solutions using the most current methodologies. NIDCD P30 funds do not provide patient services, or support unfunded pilot studies, or facilitate research other than for funded user projects, unless directly related to advancing the potential of the Core Center itself. A P30 may provide benefits to other core centers or the larger community through sharing data or technology.
Amount: $2,500,000
LOI: 30 days before application receipt dates
Deadline: October 1, 2010, February 1, 2011, June 1, 2011, September 30, 2011, February 1, 2012, June 1, 2012, October 1, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-077.html
Key Words**: Shared Equipment, Resource Cores, Communication Disorders**

Enhancing Zebrafish Research with Research Tools and Techniques (R01)
PAR-08-139
National Institute of Diabetes and Digestive and Kidney Diseases
National Cancer Institute
National Eye Institute
National Human Genome Research Institute
National Heart, Lung, and Blood Institute
National Institute on Alcohol Abuse and Alcoholism
Nationa
This FOA encourages investigator-initiated applications designed to exploit the power of the zebrafish as a vertebrate model for biomedical and behavioral research. Applications proposing to develop new research tools or techniques that are of high priority to the zebrafish community and that will advance the detection and characterization of genes, pathways, and phenotypes of interest in development and aging, organ formation, neural processes, behavior, sensory processing, physiological processes, and disease processes are welcome. This effort stems from an NIH initiative developed by the Institutes and Centers of the Trans-NIH Zebrafish Coordinating Committee (TZCC) under the co-chairmanship of NICHD and NIDDK.
Amount: under $500,000 (direct costs) per year and a project duration of up to five years may be requested.
LOI: August 17, 2010
Deadline: September 17, 2010
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-139.html
Key Words**:**

Genetic Screens to Enhance Zebrafish Research (R01)
PAR-08-138
National Institute of Child Health and Human Development
National Cancer Institute
National Heart, Lung, and Blood Institute

National Institute on Aging
National Institute on Alcohol Abuse and Alcoholism
National Institute of Arthritis and Musculoskeletal
This FOA encourages investigator-initiated applications designed to exploit the power of the zebrafish as a vertebrate model for biomedical and behavioral research. Applications proposing to develop new genetic screens of high priority to the zebrafish community that will advance the detection and characterization of genes, pathways, and phenotypes of interest in development and aging, organ formation, neural processes, behavior, sensory processes, physiological processes, and disease processes are welcome. This effort stems from an NIH initiative developed by the Institutes and Centers of the Trans-NIH Zebrafish Coordinating Committee (TZCC) under the co-chairmanship of NICHD and NIDDK.
Amount: under $500,000 direct costs per year and project duration of up to five years may be requested.
LOI: August 25, 2010
Deadline: September 24, 2010
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-138.html
Key Words**:**

IDeA Networks of Biomedical Research Excellence (INBRE) [P20]
PAR-08-150
National Center for Research Resources (NCRR)
The National Center for Research Resources (NCRR) of the National Institutes of Health (NIH) invites applications for competing continuation of Institutional Development Award (IDeA) Networks of Biomedical Research Excellence (INBRE) grants to independent biomedical research institutes and/or biomedical research institutions that award doctoral degrees in the health sciences or sciences related to health within IDeA-eligible states. INBRE applications must represent a collaborative effort to sponsor research with undergraduate institutions, community colleges, and tribal colleges and universities (TCUs). The size, structure, and operational principles of the INBRE networks have been established during previous INBRE and the planning phase of INBRE project periods. The competitive renewal application should describe progress and accomplishments made to achieve the goals of the statewide research network. -This Funding Opportunity Announcement (FOA) is to provide an opportunity to build on the successes of the current INBRE to augment and strengthen the state's biomedical research capacity. The objectives of INBRE program are to: 1) continue to build on the established multi-disciplinary research network with a scientific focus to strengthen the lead and partner institutions' biomedical research expertise and infrastructure; 2) build and increase the research base and capacity by providing support to faculty, postdoctoral fellows and graduate students at the participating institutions; 3) provide research opportunities for students from undergraduate institutions, community colleges and TCUs and serve as a "pipeline" for these students to continue in health research careers within IDeA states; 4) enhance science and technology knowledge of the state's workforce.
Amount: $7,500,000
LOI: June 22, 2010
Deadline: July 22, 2010
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-150.html
Key Words**: INBRE, IDeA, Biomedical Research Programs**

Renewal of Centers of Biomedical Research Excellence (COBRE) [P20]
PAR-09-180
National Center for Research Resources (NCRR)
The National Center for Research Resources (NCRR) of the NIH invites applications for renewal (competing continuation) of eligible Centers of Biomedical Research Excellence (COBRE) grants. The objective of the COBRE initiative is to strengthen an institution's biomedical research infrastructure through the establishment of a thematic, multi-disciplinary center and to enhance the ability of investigators to compete independently for National Institutes of Health (NIH) individual research grants or other external peer-reviewed support. COBRE awards are supported through the Institutional Development Award (IDeA) Program, which aims to foster health-related research by increasing the competitiveness of investigators at institutions located in states with historically low aggregate success rates for grant awards from the NIH.
Amount: $2,200,000
LOI: N/R
Deadline: September 22, 2010, September 22, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-180.html
Key Words**: Multi-disciplinary centers, COBRE**

Centers of Biomedical Research Excellence (COBRE) Phase III: Transitional Centers [P30]
PAR-10-196
National Center for Research Resources (NCRR)
The National Center for Research Resources (NCRR) of the NIH invites applications for COBRE infrastructure support grants. The objectives of this FOA are to continue support of infrastructure at Centers of Biomedical Research Excellence (COBRE) that have

received 10 years of funding from NCRR. This FOA is supported through the Institutional Development Award (IDeA) Program at the National Center for Research Resources (NCRR) of NIH.
Amount: $3,750,000
LOI: N/R
Deadline: July 20, 2010, July 20, 2011. and July 20, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-196.html
Key Words**: IDeA, Core Resources, Equipment Upgrades and Replacement,**

Development of Animal Models and Related Biological Materials For Research (R21)

PA-10-138
National Center for Research Resources (NCRR)
This funding opportunity announcement (FOA) issued by NCRR, National Institutes of Health, encourages research grant applications from institutions/ organizations that propose to develop, characterize or improve animal models for human disease or to improve diagnosis and control diseases of laboratory animals that may interfere with research. Models to be considered must be applicable to the research interests of two or more categorical NIH Institutes/Centers. Investigators considering applying are strongly encouraged to consult with NCRR program staff as early as possible to be advised whether this FOA is appropriate. Proposals to develop models that would not have broad applications, but would apply only to a specific disease or category of research, should be proposed to the appropriate categorical institute of the National Institutes of Health (NIH), e.g., models or model systems with primary focus on cancer or heart diseases should contact those categorical institutes at NIH to discuss alternative funding opportunities.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-138.html
Key Words**: Animal Models of Disease**

Grants for Research in the Life Sciences (multiple disciplines)

Mathers Charitable Fund (MCF)
The G. Harold & Leila Y. Mathers Foundation is primarily interested in supporting fundamental basic research in the life sciences. Support is provided for specific projects from established researchers at top universities and independent research institutions within the United States.
Amount: unspecified
LOI: N/R
Deadline: Continuous, queries and requests are processed when received.
To learn more**:** http://www.mathersfoundation.org/
Key Words**:**

FY 2010 Continuation of Solicitation for the Office of Science Financial Assistance Program
FY 2010 Annual Notice: Submission of Renewal and Supplemental Applications for the Office of Science Grants and Cooperative Agreements

DE-FOA-0000178 and DE-FOA-0000179
Department of Energy (DOE)
The Office of Science of the Department of Energy hereby announces its continuing interest in receiving grant applications for support of work in the following program areas: Advanced Scientific Computing, Biological and Environmental Research, Basic Energy Sciences, Fusion Energy Sciences, High Energy Physics, Nuclear Physics, and Workforce Development for Teachers and Scientists.
Amount: unspecified
LOI: N/R
Deadline: September 30, 2010
To learn more**:** http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=50496
Key Words**: Environmental Research**

Travel Grants

Boehringer Ingelheim Fonds (BIF) - Foundation for Basic Research in Biomedicine
Travel Grants are available to junior researchers pursuing experimental projects in basic biomedical research. to learn clearly-defined methods useful for your ongoing research and the work of your research group at home by visiting another laboratory, or by attending research-orientated courses which include practical training.
Amount: 3 months support
LOI: N/R
Deadline: Continuous

To learn more: http://www.bifonds.de/cgi-bin/show.pl/travel_grants/travel_grants.html?sid=iw5d2ei4y1oz8takvjsb4dr4i0a3hoe4
Key Words: **Biological Sciences, Biomedical Research Resources, Biomedical Research Training, Health and Medicine**

Musculoskeletal Diseases

Core Centers for Musculoskeletal Biology and Medicine (P30)
New
RFA-AR-11-011
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)
The National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS) invites applications for Research Core Centers (P30s) in musculoskeletal biology and medicine. The Core Centers for Musculoskeletal Biology and Medicine (CCMBM) will provide shared facilities and services to groups of established, currently funded investigators addressing scientific problems in musculoskeletal biology and medicine, in order to improve efficiency, accelerate the pace of research, and ensure greater productivity.
Amount: $2,000,000
LOI: September 1, 2010
Deadline: October 1, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-AR-11-011.html
Key Words:

Notice of Intent to Publish a Request for Applications for Ancillary Studies to Large Ongoing Clinical Projects (R01) and (R21)
New
NOT-AR-10-037 andNOT-AR-10-038
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)
The National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), intends to reissue a Request for Applications (RFA) to solicit applications for Ancillary Studies to Large Ongoing Clinical Projects (http://grants.nih.gov/grants/guide/rfa-files/RFA-AR-10-010.html). This RFA solicits applications that propose to conduct time-sensitive ancillary studies related to the NIAMS mission in conjunction with privately or publicly funded, large, ongoing clinical projects. The ongoing "parent" project can be a large clinical trial or observational study, or a disease registry that can provide a sufficient cohort of well-characterized patients, infrastructure, data, and biological samples. Applications submitted in response to this FOA will undergo an accelerated review and award process. Each application must include a timeline to demonstrate that the parent project has adequate time left to accommodate the proposed ancillary study. In addition, it must justify the time-sensitive nature of the ancillary study and the need for an expedited review and award process. It must also document permission from the parent project to use the patient cohorts, data, and biological materials. The objective of this FOA is to provide a flexible mechanism to leverage established resources and maximize the return on existing investments in parent projects. Successful ancillary studies will enhance the scientific content and value of the parent projects, improve the research community's understanding of a disease or organ system in the NIAMS portfolio, and thus identify novel targets for diagnosis, treatment, and prevention of disease.
Amount:
LOI:
Deadline: Released June 3, 2010
To learn more: http://grants.nih.gov/grants/guide/notice-files/NOT-AR-10-037.html and http://grants.nih.gov/grants/guide/notice-files/NOT-AR-10-038.html
Key Words:

Physiological and Structural Systems
PD 07-1141
NSF
The Physiological and Structural Systems Cluster supports research aimed at furthering the understanding of organisms as integrated units of biological organization. The Cluster considers proposals focused on interacting physiological and structural systems, their environmental and evolutionary contexts, and how these components are constrained by their integration into the whole organism. Projects that use systems approaches to understand why particular patterns of architecture and regulatory control have emerged as general organismal properties are particularly encouraged. Understanding how and why emergent organismal properties such as robustness, adaptability and resilience arise in the context of environmental, genetic, biochemical and morphological variation are of interest. The Cluster encourages model building to augment traditional experimental approaches in order to guide research on complex functional networks. Multidisciplinary approaches to the study of organismal systems including research at the interfaces of biology, physics, chemistry, mathematics, computer science and engineering are encouraged.
Amount: $140,000
LOI: N/R

Deadline: January 12; July 12; Annually
To learn more: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501090
Key Words: **Physiology, Structural Systems, Integrated Physiology**

Cooperative Program in Translational Research for Neuromuscular Disease (U01)

PAR-08-229
National Institute of Neurological Disorders and Stroke
National Institute of Arthritis and Musculoskeletal and Skin Diseases
The goal of this funding opportunity announcement (FOA), from the National Institute of Neurological Disorders and Stroke (NINDS) and the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), is to support preclinical development and testing of new therapies for neuromuscular diseases. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program supports preclinical optimization and testing of these leads and projects must be sufficiently advanced that an IND or IDE application to the FDA can be submitted by the end of the project period. The program does not support early-stage therapeutic discovery activities such as high throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NIH staff in the development of the project plan and monitoring of research progress.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-229.html
Key Words: **Neuromuscular Diseases, Stroke, Neurological Disease**

Exploratory/Developmental Projects in Translational Research for Neuromuscular Disease (R21)

PAR-08-228
National Institute of Neurological Disorders and Stroke
National Institute of Arthritis and Musculoskeletal and Skin Diseases
This Funding Opportunity Announcement (FOA), from the National Institute of Neurological Disorders and Stroke (NINDS) and the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), requests applications for projects intended to complete preliminary steps in the pipeline for the preclinical development of therapeutics for neuromuscular diseases. Such projects, if successful, should lead directly to a subsequent project that will include all remaining activities for submission of an Investigational New Drug (IND) or Investigational Device Exemptions (IDE) application to the Food and Drug Administration (FDA). Only Aims required for therapy development can be supported in this program. This program excludes clinical research, basic research, and studies of disease mechanisms.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-228.html
Key Words: **Neuromuscular Diseases, Stroke, Neurological Disease**

Replication, Fine-Mapping and Sequencing: Follow-Up on Genome-Wide Association Studies for Arthritis and Musculoskeletal and Skin Diseases (R01)

PAR-09-135
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)
This Funding Opportunity Announcement (FOA), issued by the National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health, encourages applications that propose to perform replication, fine-mapping, and sequencing studies of human genomic regions that are putatively associated with phenotypes relevant to the NIAMS mission. Genomic regions of interest are primarily those identified by genome-wide association studies (GWAS). The objective of this FOA is to enhance the identification of causal genes and genetic variants that influence complex diseases relevant to the NIAMS mission. Replication, fine-mapping, and sequencing studies are to be conducted in existing cohorts with defined phenotypes. This FOA will not support recruitment of human subjects, collection of medical or phenotypic data, studies using animal models, or the initial discovery phase of GWAS.
Amount: $500,000
LOI: June 1, 2010; June 1, 2011
Deadline: June 29, 2010; June 29, 2011
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-135.html
Key Words: **GWAS, Genome-Wide Analysis, Musculoskeletal and Skin Diseases, Arthritis**

Year 2010 Department of Defense Peer Reviewed Medical Research Program
W81XWH-10-PRMRP-CTA
W81XWH-10-PRMRP-IIRA
W81XWH-10-PRMRP-TTDA
Department of Defense (DOD)
Congressionally Directed Medical Research Programs (CDMRP)
All applications for PRMRP funding must specifically and clearly address at least one of the topic areas as directed by Congress, and have direct relevance to the health care needs of the Armed Forces, their family members, and/or the U.S. veteran population. If the proposed research has no relevance to currently advertised PRMRP topic areas, the Government reserves the right to administratively withdraw the application. The Government also reserves the right to reassign the proposal's topic area if submitted under an inappropriate topic area. The FY10 PRMRP topic areas as provided by Congress are listed below.
Chronic Migraine and Post-traumatic Headache
Dystonia
Drug Abuse
Epilepsy
Fragile X Syndrome
Inflammatory Bowel Disease
Interstitial Cystitis
Listeria vaccine for infectious disease
Lupus
Mesothelioma
Neuroblastoma
Osteoporosis and related bone disease
Paget's Disease
Pheochromocytoma
Polycystic Kidney Disease
Post-traumatic Osteoarthritis
Scleroderma
Social Work Research
Tinnitus
Amount: up to $2,200,000
LOI: N/R
Deadline: August 5, 2010 for Investigator-Initiated Research Award
To learn more**:** http://cdmrp.army.mil/funding/prmrp.htm
Key Words**: Clinical Trials, Concept, Investigator-Initiated, Therapy**

Nanomedicine/Nanotechnology

ARL/ARO Broad Agency Announcement-Revised
W911NF-07-R-0001-02
U.S. Army Research Laboratory (ARL)
14.0. Extramural research in the Life Sciences is supported by the Army Research Office. For those proposals related to purely medical topics, the investigator is invited to contact the U.S. Army Medical Research and Materiel Command. For research in the behavioral and social sciences or in training techniques, contact the Army Research Institute for Behavioral and Social Sciences. The ARO Life Sciences Division research program is currently focused on four sub
area work packages. The titles, scopes and points of contact for these work packages, each of which address general aspects of basic research in biotechnology, as well as the specific thrusts described, are listed below. A small number of symposia, conferences and workshops are also supported in part or in whole to provide an exchange of ideas related to ongoing programs in Army laboratories. Potential offerors are strongly encouraged to contact the appropriate TPOC for preliminary discussions on their ideas before any submissions. The TPOC may invite the offeror to submit a preproposal.
14.1. Bioengineering. Fundamental studies to define structure-function relationships and biochemical interactions for enzymes, receptors and other macromolecules exhibiting mechanisms and properties uniquely relevant to synthetic and degradative pathways of interest to the military, including establishment of the foundations for manipulation and exploitation of biocatalysis, ribosomal and non-ribosomal biosynthesis to enhance permissiveness toward elaboration of useful biomolecular structures and cellular systems designed with "metabolic engineering" in mind. Also, research to provide insight from nature on novel theoretical principles and mechanisms in sensory and motor function, as well as on materials with extraordinary properties, from biological sources. Includes not only initial molecular events, signal transduction pathways and integrated information processing for the powerful sensing capabilities exhibited in the biological world, but also self-assembly processes, hierarchical structure formation, and functional characterization of biomolecular materials such as those with potential "biomimetic" utility for nanometer scale fabrication or for energy and information transfer, among other possibilities. Technical Point of Contact: Dr. Robert Kokoska, Robert.kokoska@us.army.mil, (919) 549-4342.
14.2 Molecular Genetics and Genomics. This program emphasizes basic research in molecular genetics and genomics that will enable optimization of soldier cognitive and physical performance, soldier protection, and Army logistics. This includes human performance

and protection under both normal conditions, and when affected by a variety of stressors that are likely to be encountered in battlefield situations, such as dehydration, heat, cold, sleep deprivation, fatigue, caloric insufficiency, microbial factors, and psychological stress. Genetic and genomic research areas include identification and characterization of gene function, gene regulation, genetic interactions, gene pathways, gene expression patterns, mitochondrial regulation and biogenesis, and nuclear and mitochondrial DNA replication, mutagenesis, oxidative stress, and DNA repair. Also molecular responses to pathogens, pathogen identification, and pathogen inactivation, as well as host-pathogen interactions, and host components of infection and resistance to infection. This program is also interested in the biotechnology of microarrays, including both genomic- and proteomic-based platforms, for real time detection of pathogens or physiological states that would reduce or interfere with human
performance. This program also supports development of new biomaterials and bioproduction methods, and other advances in biotechnology methods and applications. Technical Point of Contact: Dr. Micheline Strand, e-mail: Micheline.strand@us.army.mil, (919) 549-4343.
14.3. Microbiology and Biodegradation. Biochemical and physiological mechanisms, underlying the biodegradative processes in normal, extreme, and engineered environments and fundamental studies on organisms in these environments, the properties of materials that make them susceptible or resistant to biological attack, basic concepts for anti-fungals, and studies of microbiological mechanisms with potential for contributing to the remediation of sites
contaminated with toxic wastes. Included are research investigations in analytical microbiology (including microbial signatures), and in general microbial mechanisms with relevance to Army problems. Addressed here also is research into microbial communities and how to study organisms that cannot be grown in the lab, as well as research into methods to enhance the stabilization of military materiel, which would include methods to prevent microbial growth.
Also included is the development of microbial systems for unique biotechnological applications and bioengineering processes with individual microbial species or consortia of microorganisms, emphasizing the control, stability, and mechanisms of the basic cellular processes involved. Technical Point of Contact: Dr. Micheline Strand, e-mail: Micheline.strand@us.army.mil, (919) 549-4343.
14.4 Neurophysiology and Cognitive Neuroscience. Research in the perception and cognition subfields of neurophysiology and the cognitive neurosciences, covering several or all areas of electrophysiology, psychophysiology, sensory and perceptual physiology, computational neurobiology, psychophysics, neuropsychology, and integrative neurobiology is of interest. Specific examples can include physiological, neuro-psychological and/or cortical/cognitive
mechanisms underlying successful completion of complex task behaviors applicable to nonlaboratory environments under non-ideal conditions, to include both amelioration of induced losses as well as enhancement in defined perceptual, cognitive and/or motor abilities. Investigations can span the gamut from multi-unit recordings through evoked potentials and neuro-imaging technologies to humoral and psychological correlates of both central and peripheral nervous system function. Non-medically oriented research designed to elucidate the fundamental physiology underlying cognition and possible non-invasive methods of monitoring cognitive states and processes during normal activity is appropriate. Perceptual and/or psychophysiological implications of mind-machine interfaces ranging from optimizing auditory, visual and/or somatosensory display and control systems based on physiological or psychological states
through modeling of individual cognitive dynamics and decision making is appropriate to this research area. Technical Point of Contact: Dr. Elmar T. Schmeisser e-mail elmar.schmeisser@us.army.mil, (919) 549-4318.
Amount: unspecified
LOI: N/R
Deadline: September 30, 2011
To learn more**:** http://www.arl.army.mil/www/DownloadedInternetPages/CurrentPages/DoingBusinesswithARL/research/07-r-0001-02_amendment2.pdf
Key Words**: Human Performance, Microbial Signatures, Perception and Cognition**

Nanoscience and Nanotechnology in Biology and Medicine (R01) [PA-08-052] and (R21) [PA-08-053]
PA-08-052 and PA-08-053
NIH
This funding opportunity (FOA) is aimed at enhancing nanoscience and nanotechnology research focused on problems in biology and medicine.
Amount: varies
LOI: N/R
Deadline: multiple, see listing
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-052.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-053.html
Key Words**:**

NIH Blueprint for Neuroscience Research Grand Challenge: Developing Novel Drugs for Disorders of the Nervous System (U01)
RFA-NS-11-002
National Institutes of Health (NIH)
multiple institutes
The National Institutes of Health (NIH) announces a unique opportunity for investigators working with molecular probe compounds to gain access to a robust virtual pharma drug development network to develop neurotherapeutic drugs. Successful applicants to this initiative will be collaborative participants in this network, receiving both funding and no-cost access to contracted drug development

services that are not typically available to the NIH-funded research community. Funding will be provided through a U01 cooperative agreement to conduct biological testing of compound analogs in disease assays and models in the investigators laboratory. No-cost drug development services will also be provided, including medicinal chemistry optimization, IND-directed pharmacology and toxicology, and Phase I clinical testing. Researchers who have disease assays and small molecule compounds that show promise for treating nervous system and psychiatric disorders, but that are not yet suitable for clinical testing, are strongly encouraged to apply. Investigators funded through this FOA will be active partners in the design and implementation of the drug development strategy in collaboration with an NIH-appointed advisory panel of drug development experts. This program is structured to allow investigators to maintain control of the intellectual property generated using their assays and starting compounds and to pursue commercialization of compounds that are developed within the program. This program was established by the NIH Blueprint for Neuroscience and will consider applications for nervous system disorders within the missions of any of the 16 participating NIH Institutes.
Amount: varies
LOI: July 10, 2010
Deadline: August 10, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-NS-11-002.html
Key Words**: Neurological, Psychiatric and Developmental Disorders, Dementias of Aging, Diseases and Disorders of Eye or Ear, Drug and Alcohol Dependence and Addiction**

Bioengineering Nanotechnology Initiative (STTR [R41/R42]) and (SBIR [R43/R44])

PA-10-149 and PA-10-150
National Institutes of Health (NIH)
multiple institutes
Nanotechnology is the understanding and control of matter at dimensions between approximately 1 and 100 nanometers, where unique phenomena enable novel applications. Encompassing nanoscale science, engineering, and technology, nanotechnology involves imaging, measuring, modeling, and manipulating matter at this length scale. The purpose of this trans-NIH Funding Opportunity Announcement (FOA) is to stimulate Small Business Technology Transfer (STTR) grant applications that employ nanotechnology to enable the development of diagnostics and interventions for treating diseases.
Amount: up to $750,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-149.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-150.html
Key Words**: Nanotechnology, Diagnostics and Disease Interventions**

Innovation in Molecular Imaging Probes (R01)

PAR-09-016
National Institute of Biomedical Imaging and Engineering
National Institute on Aging
National Institute of Arthritis and Musculoskeletal and Skin Diseases
Eunice Kennedy Shriver National Institute of Child Health and Human Development
National Institute
This FOA is issued by the National Institute of Biomedical Imaging and Bioengineering, National Institutes of Health. This FOA is a follow up of a previous Roadmap RFA (RM-04-021 “Innovation in Molecular Imaging Probes”). The purpose of this initiative is to encourage the development of novel molecular imaging approaches that can detect and image specific molecular activities in vivo, and have the potential for clinical applications. Novel molecular imaging approaches developed through this initiative can focus on one (or both) of the following long-term translational goals: (1) imaging the characteristic markers, and function, of normal cells in control human subjects and patients, and (2) imaging the characteristic markers, and biochemical or physiological abnormalities, of disease cells in patients. Potential abnormalities that could provide early markers for disease include (but are not restricted to): inflammation, fibrosis, immune cell activation, altered signal transduction pathways, altered gene expression pathways, and altered post-translational modification of proteins. This initiative solicits applications that explore innovative “high-impact” approaches, rather than incremental technology development that is already supported by current NIH programs.
Amount: varies
LOI: December 21, 2010; August 21, 2010; April 20, 2011; August 21, 2011
Deadline: September 21, 2010; January 21, 2011; May 20, 2011; September 21, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-016.html
Key Words**: Molecular Imaging Probes**

Mitochondria in Cancer Epidemiology, Detection, Diagnosis and Prognosis (R01) [PA-08-143] and (R21) [PA-08-144]

PA-08-143 and PA-08-144
National Cancer Institute

This funding opportunity announcement (FOA) encourages Research Project Grant (R01) applications that propose to develop and validate new mitochondrial-related biomarkers for cancer early detection, diagnosis, prognosis, risk assessment, and response to preventive and ameliorative treatments.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-143.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-144.html
Key Words**:**

Department of Defense (DOD) Peer Reviewed Cancer Research Program (PRCRP)

Department of Defense (DoD)
Congressionally Directed Medical Research Programs (CDMRP)
The Fiscal Year 2010 (FY10) Defense Appropriation Act provides for $15 million (M) to the Department of Defense (DOD) Peer Reviewed Cancer Research Program (PRCRP) to research cancers not addressed in breast, prostate, lung, and ovarian cancer research programs currently executed by the U.S. Army Medical Research and Materiel Command (USAMRMC) through the Office of the Congressionally Directed Medical Research Programs (CDMRP).
The funds provided are directed to be used to conduct research under the following award mechanisms:
· Concept Award
· Idea Award
· Translational New Investigator Award
Amount: up to $750,000
LOI: July 14, 2010
Deadline: October 20, 2010
To learn more**:** http://cdmrp.army.mil/funding/prcrp.htm
Key Words**: Melanoma and other skin cancers, Pediatric brain tumors within the field of childhood cancer, Genetic cancer research and genomic medicine, Blood cancers, Colorectal cancer, Kidney cancer, Listeria vaccine for cancer, Radiation protection utilizing nanotechnology**

Defense Sciences Research & Technology

DARPA-BAA-10-55
Defense Sciences Research & Technology
Defense Sciences Office (DSO)
The mission of the Defense Advanced Research Projects Agency's (DARPA) Defense Sciences Office (DSO) is to pursue and exploit fundamental science and innovation for National Defense. Therefore, DSO is soliciting proposal abstracts and full proposals for advanced research and development in a variety of enabling technical areas.
Basic Neuroscience Research: DSO is interested in neuroscience research ideas enabling innovation in the science and technology for improved human performance, specifically to overcome the challenges encountered in the operational environment. The areas for research may span fundamental, applied, and computational neuroscience.
Physics of Nano-Materials and Devices: DSO is interested in fundamental and applied research in nano-materials, design methodologies, and potential device application (e.g., navigation, communication, and sensing of chemical, biological, optical, infrared, acoustic, magnetic, and other signals of interest).
Basic Biology Research: DARPA is interested in fundamental and applied research in the biological sciences across all scales (e.g., quantum to ecological) to contribute to defense capabilities including development of synergies with other disciplines (e.g., information technology, micro/nanotechnology, manufacturing). While broad in scope, novel approaches to biomedical applications, biological warfare defense, and human performance optimization are of particular interest.
Amount: unspecified
LOI: N/R
Deadline: anytime until May 5, 2011
To learn more**:** https://www.fbo.gov/?s=opportunity&mode=form&id=ffbd2c735e17e3a64fd0c2e4f792ae93&tab=core&_cview=0
Key Words**: Protein Conformation, Safety or Efficacy of Therapeutics and Vaccines, Field Medical Therapies, Technologies for Non-invasive and/or remote Assessment of Physiological Status, Devices for Rapid Synthesis and Molecular Analysis of Biomolecules and Structures, Unidentified Microbes, Neurotrauma, Penetrating and Non-penetrating Injuries, Stress, Real-time Neural Signal Acquisition and Analysis**

Advances in Bioscience for Airmen Performance

BAA-09-02-RH
Air Force Research Laboratory, Human Effectiveness Directorate, Biosciences and Performance Division (AFRL/RHP)
The 711th Human Performance Wing, Human Effectiveness Directorate is soliciting white papers under this announcement for innovative science and technology projects to support advanced bioscience research. Specifically, the Biosciences and Performance

Division is seeking unique and innovative research concepts that address its technical mission areas. Research is sought primarily in the following four technical areas: 1) Applied Biotechnology, 2) Biobehavioral Performance, 3) Biomechanics, and 4) Counter proliferation.
1) Applied Biotechnology - Goal is to develop and exploit advances in biotechnology and associated nanotechnologies to enhance performance and situational awareness of the force.
2) Biobehavioral Performance – Goal is to develop bio-based methods and techniques to sustain and optimize airmen's cognitive performance.
3) Vulnerability Analysis – Goal is to rapidly identify human threat conditions, and sustain/expand Airmen performance in stressful environments. It includes research in physical and physiological biosignatures, neuroscience, anthropometry, biomechanics, human modeling, database networking, and data mining.
4) Counter proliferation – Goal is to improve the Air Force's ability to locate, identify, track, target, and destroy biological warfare agents (BWA) and other weapons of mass destruction (WMD), as well as anticipate and mitigate WMD effects on AF operations.
Amount: Cost Plus
LOI: White Papers accepted until September 30, 2014
Deadline:
To learn more**:**
https://www.fbo.gov/index?s=opportunity&mode=form&id=411797fcc2260cb5d9ed346b3c139a4b&tab=core&_cview=1&cck=1&au=&ck=
Key Words**: Gene Expression Balance, Protein Expression Patterns, Phenotypic Patterns, Biomarker Signatures, Cognitive Performance**

Neurosciences

NIH Blueprint for Neuroscience Research Competitive Revisions for Studies Focused on Neuropathic Pain or Neural Plasticity to Promote Collaborative Pain Research (R01)

New

PAR-10-204
National Institutes of Health (NIH)
multiple institutes
The goal of this FOA is to facilitate the partnering of pain scientists and non-pain neuroscientists from the field of neural plasticity to capture insights and expertise from disciplines where transitions from health to disease have been extensively examined. An expected outcome of this FOA will be the formation of partnerships between pain researchers and non-pain neuroscientists to develop new collaborations focused on understanding the maladaptive neuroplastic changes that occur during the transition from acute to chronic pain. It is anticipated that these initial collaborations will lead to new applications for highly innovative projects centered on similar studies of the transition from acute to chronic pain. The purpose of this FOA is to encourage the submission of competitive revision applications that propose a collaborative, one year pilot study or a new specific aim associated with an active NIH grant. The parent grant may be focused on pain or on neural plasticity outside the area of pain.
Amount: $75,000
LOI: N/R
Deadline: September 28, 2010; September 28, 2011; September 28, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-204.html
Key Words**:**

Alzheimer's Disease Drug Development Program (U01)

New

PA-10-205
National Institute on Aging (NIA)
The objective of this solicitation is to stimulate research in the pre-clinical development and testing of novel therapeutic compounds aimed at slowing, halting, or reversing the progressive decline in cognitive function and modifying the behavioral symptoms in Alzheimer's disease (AD); or delaying the onset of or preventing AD, mild cognitive impairment (MCI), or age-related cognitive decline. This initiative is intended to stimulate activities focused on providing sufficient data to submit an Investigational New Drug (IND) application to the Food and Drug Administration to begin human clinical testing of potential new therapies. For this program neither mechanistic/basic studies nor clinical trials will be supported; only applications to develop a therapy will be accepted.
Amount: $4,000,000
LOI: July 6, 2010 is the first letter of intent receipt date for resubmission and revision applications. For subsequent resubmission or revision applications the letter of intent receipt dates will be October 5th, February 5th and June 5th, respectively, for
Deadline: August 4, 2010 for the first receipt date for a resubmission or revision application. October 5, 2010 for the first receipt date for a new application.
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-205.html
Key Words**:**

NINDS Exploratory Clinical Trials (R01)

New

PAR-10-199
National Institute of Neurological Disorders and Stroke (NINDS)
The purpose of this Funding Opportunity Announcement (FOA) is to provide a vehicle for submitting grant applications for investigator-initiated exploratory clinical trials to the National Institute of Neurological Disorders and Stroke (NINDS). The trials must address research questions related to the mission and goals of the NINDS and may evaluate drugs, biologics, devices, or surgical, behavioral or rehabilitation therapies.
Amount: varies
LOI: N/R
Deadline: July 14, 2010 for the first receipt date; standard R01 dates thereafter.
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-199.html
Key Words**:**

Cognitive Rehabilitation for Traumatic Brain Injury Clinical Trial Award (Optional Partnering PI)

New

W81XWH-10-PH/TBI RP-CR-CTA
Department of Defense (DOD)
U.S. Army Medical Research and Materiel Command (USAMRMC)
Office of the Congressionally Directed Medical Research Programs (CDMRP)
The Fiscal Year 2010 (FY10) Defense Appropriations Act provides $10M to the Department of Defense (DOD) Psychological Health and Traumatic Brain Injury Research Program (PH/TBI) Research Program to promote research that will advance the prevention, detection, diagnosis, and treatment of military-relevant PH issues and TBI. Funding will be focused on innovative projects that have the potential to make a significant near-term impact on improving the function, wellness, and overall quality of life for warriors, veterans, families, caregivers, and communities. This program is administered by the U.S. Army Medical Research and Materiel Command (USAMRMC) through the Office of the Congressionally Directed Medical Research Programs (CDMRP).
Amount: $2,000,000
LOI: June 30, 2010
Deadline: September 7, 2010
To learn more**:** http://cdmrp.army.mil/funding/phtbi.shtml
Key Words**: Cumulative Concussions, Mild, Moderate or Severe TBI, Chronic Symptoms after TBI, Information Technology Devices, Robotics, Nutritional Supplements, Out/Inpatient Rehabilitation**

Department of Defense Spinal Cord Injury Research Program
Clinical Trial Award - Rehabilitation
Translational Research Partnership Award
Investigator-Initiated Research Award
Investigator-Initiated Focused Research Award

New

Department of Defense (DOD)
The Fiscal Year 2010 (FY10) Defense Appropriations Act provides $11.25 million to the Department of Defense (DOD) Spinal Cord Injury Research Program (SCIRP) to promote innovative research into regenerating damaged spinal cords, arthritis research, and improving rehabilitation therapies that offer real promise for enhancing long-term care of wounded soldiers. The SCIRP challenges the scientific community to design innovative research that will foster new directions for and address neglected issues in the field of SCI-focused research.
The vision of the SCIRP is to advance the understanding of spinal cord injury and ameliorate its consequences. This program is administered by the US Army Medical Research and Materiel Command through the Office of the Congressionally Directed Medical Research Programs (CDMRP).
Amount:
LOI:
Deadline: released June 4, 2010
To learn more**:** http://cdmrp.army.mil/pubs/press/2010/10scirppreann.shtml
Key Words**:**

ARL/ARO Broad Agency Announcement-Revised
W911NF-07-R-0001-02

U.S. Army Research Laboratory (ARL)
14.0. Extramural research in the Life Sciences is supported by the Army Research Office. For those proposals related to purely medical topics, the investigator is invited to contact the U.S. Army Medical Research and Materiel Command. For research in the behavioral and social sciences or in training techniques, contact the Army Research Institute for Behavioral and Social Sciences. The ARO Life Sciences Division research program is currently focused on four sub
area work packages. The titles, scopes and points of contact for these work packages, each of which address general aspects of basic research in biotechnology, as well as the specific thrusts described, are listed below. A small number of symposia, conferences and workshops are also supported in part or in whole to provide an exchange of ideas related to ongoing programs in Army laboratories. Potential offerors are strongly encouraged to contact the appropriate TPOC for preliminary discussions on their ideas before any submissions. The TPOC may invite the offeror to submit a preproposal.
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performance. This program also supports development of new biomaterials and bioproduction methods, and other advances in biotechnology methods and applications. Technical Point of Contact: Dr. Micheline Strand, e-mail: Micheline.strand@us.army.mil, (919) 549-4343.
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contaminated with toxic wastes. Included are research investigations in analytical microbiology (including microbial signatures), and in general microbial mechanisms with relevance to Army problems. Addressed here also is research into microbial communities and how to study organisms that cannot be grown in the lab, as well as research into methods to enhance the stabilization of military materiel, which would include methods to prevent microbial growth.
Also included is the development of microbial systems for unique biotechnological applications and bioengineering processes with individual microbial species or consortia of microorganisms, emphasizing the control, stability, and mechanisms of the basic cellular processes involved. Technical Point of Contact: Dr. Micheline Strand, e-mail: Micheline.strand@us.army.mil, (919) 549-4343.
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mechanisms underlying successful completion of complex task behaviors applicable to nonlaboratory environments under non-ideal conditions, to include both amelioration of induced losses as well as enhancement in defined perceptual, cognitive and/or motor abilities. Investigations can span the gamut from multi-unit recordings through evoked potentials and neuro-imaging technologies to humoral and psychological correlates of both central and peripheral nervous system function. Non-medically oriented research designed to elucidate the fundamental physiology underlying cognition and possible non-invasive methods of monitoring cognitive states and processes during normal activity is appropriate. Perceptual and/or psychophysiological implications of mind-machine interfaces ranging from optimizing auditory, visual and/or somatosensory display and control systems based on physiological or psychological states
through modeling of individual cognitive dynamics and decision making is appropriate to this research area. Technical Point of Contact: Dr. Elmar T. Schmeisser e-mail elmar.schmeisser@us.army.mil, (919) 549-4318.
Amount: unspecified
LOI: N/R
Deadline: September 30, 2011
To learn more**:** http://www.arl.army.mil/www/DownloadedInternetPages/CurrentPages/DoingBusinesswithARL/research/07-r-0001-02_amendment2.pdf
Key Words**: Human Performance, Microbial Signatures, Perception and Cognition**

Department of Defense Autism Research Program
U.S. Army Medical Research

The FY09 ARP encourages proposals that specifically address critical needs of the Autism Spectrum Disorders (ASD) community in the following areas (Revised for FY09):
· Co-morbidity: (e.g., manifestations such as disorders [gastrointestinal, sleep, behavioral, speech/language], psychiatric, seizures, immune dysfunction, motor and sensory deficits, metabolic dysfunction, and effects of ASD on intellectual ability)
· Predictors for Treatment Outcomes: Identification of biomarkers, clinical characteristics, or other phenotypic markers that predict outcomes of a treatment, or populations that will or will not respond to a treatment (traditional or complementary and alternative)
FY09 ARP program announcements and application instructions for the following award mechanisms are anticipated to be posted and available on Grants.gov in February 2009.
Amount: $750,000
LOI: pre-application required
Deadline: posting early February
To learn more**:** http://cdmrp.army.mil
Key Words**: Autism, Autism Spectrum Disorders, ASD**

Translational Grants
The American Brain Tumor Association
These awards help scientists further develop studies on the cusp of moving from the laboratory into patient testing. These $75,000 one year grants often support the collection of the preclinical data researchers need to apply for major funding from other sources, such as the National Cancer Institute (NCI) or the National Institute of Neurological Disorders and Stoke (NINDS). Applicants must be in the earlier years of their investigator career. Criteria for funding include the quality and therapeutic potential of the research, the quality of the laboratory environment, and the applicant.
Amount: $75,000
LOI: N/R
Deadline: January 8, 2011
To learn more**:** http://www.abta.org/Research_Progress/2010_Funding_Opportunities/294
Key Words**: Brain Tumor**

Neural Systems
PD 07-5500
NSF
The Neural Systems Cluster focuses on how complex functions arise from communication among the cellular elements of the nervous system and from interactions with other physiological systems and the environment. The Cluster encourages a systems biology approach to understand how emergent neural properties such as robustness, adaptability and resilience arise in the context of environmental, genetic and evolutionary influences.
Amount: $140,000
LOI: N/R
Deadline: January 12; July 12; Annually
To learn more**:** http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501089
Key Words**: Neuroscience, Nervous System, Neural Interaction**

Lab to Marketplace: Tools for Brain and Behavioral Research (SBIR [R43/R44])
PA-08-071
NIH
The NIH Blueprint for Neuroscience Research is a framework to enhance cooperative activities among the NIH Office of the Director and 15 NIH Institutes and Centers that support research on the nervous system. This Funding Opportunity Announcement (FOA) is released in affiliation with the Neuroscience Blueprint, with Institutes and Centers participating independently, and with participation by Institutes and Centers that are not part of the Blueprint. This FOA encourages the translation of technologies for brain or behavioral research from academic and other non-small business research sectors to the marketplace. Solicited from Small Business Concerns (SBCs) are Small Business Innovation Research (SBIR) grant applications that propose to further develop, make more robust, and make more user-friendly such technologies in preparation for commercial dissemination. It is expected that this activity will require partnerships and close collaboration between the original developers of these technologies and SBCs, which may be accomplished in any of a number of ways, including the use of multiple principle investigators.
Amount: varies
LOI: N/R
Deadline: continuous, see listing
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-071.html

Key Words**:**

Alzheimer's Disease Pilot Clinical Trials (R01)

PAR-08-062
NIH
This Funding Opportunity Announcement (FOA) issued by the National Institute on Aging (NIA), the National Center for Complementary and Alternative Medicine (NCCAM), and the National Institute of Nursing research (NINR), National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/ organizations that propose to initiate pilot clinical trials for treatment or prevention of MCI, AD, and/or age –related cognitive decline
Amount: up to $450,000 per year for 3 years
LOI: N/R
Deadline: multiple, see link
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-062.html
Key Words**:**

Silvio O. Conte Centers for Basic and Translational Mental Health Research (P50)

PAR-08-194
National Institutes of Health (NIH)
National Institute of Mental Health (NIMH)
The National Institute of Mental Health (NIMH) invites applications for Conte Centers for Basic and Translational Mental Health Research. The purpose of these Centers is to support interdisciplinary teams of researchers engaging in integrative, novel, and creative experimental approaches to address high-risk, high-impact questions that will significantly advance the state of the science in brain and behavioral research relevant to mental health. Conte Centers comprise a collaborative, cutting-edge, interdisciplinary research program conducted at multiple levels of analysis spanning from genes to behavior to disease in humans, animals, and model systems, from infancy to adulthood as appropriate, based on a well-defined and unified scientific question (hypothesis) or problem. Areas of interest span the full range of basic neuroscience, basic behavioral science, genetics research, and proof-of-concept clinical trials, as well as the translational integration of neuroscience and behavioral science with study of the etiology, pathogenesis, and/or the developmental progression of mental disorders across the lifespan. Proposed Centers should be directed towards a well-defined and unified scientific question or problem and in some instances may include discovery-based as well as technology development components.
Amount: $10,750,000
LOI: August 25, 2010
Deadline: September 23, 2010
To learn more**:** http://grants1.nih.gov/grants/guide/pa-files/PAR-08-194.html
Key Words**: Mental Health, Neuropsychiatry, Psychiatry**

NIH Blueprint for Neuroscience Research Grand Challenge: Developing Novel Drugs for Disorders of the Nervous System (U01)

RFA-NS-11-002
National Institutes of Health (NIH)
multiple institutes
The National Institutes of Health (NIH) announces a unique opportunity for investigators working with molecular probe compounds to gain access to a robust virtual pharma drug development network to develop neurotherapeutic drugs. Successful applicants to this initiative will be collaborative participants in this network, receiving both funding and no-cost access to contracted drug development services that are not typically available to the NIH-funded research community. Funding will be provided through a U01 cooperative agreement to conduct biological testing of compound analogs in disease assays and models in the investigators laboratory. No-cost drug development services will also be provided, including medicinal chemistry optimization, IND-directed pharmacology and toxicology, and Phase I clinical testing. Researchers who have disease assays and small molecule compounds that show promise for treating nervous system and psychiatric disorders, but that are not yet suitable for clinical testing, are strongly encouraged to apply. Investigators funded through this FOA will be active partners in the design and implementation of the drug development strategy in collaboration with an NIH-appointed advisory panel of drug development experts. This program is structured to allow investigators to maintain control of the intellectual property generated using their assays and starting compounds and to pursue commercialization of compounds that are developed within the program. This program was established by the NIH Blueprint for Neuroscience and will consider applications for nervous system disorders within the missions of any of the 16 participating NIH Institutes.
Amount: varies
LOI: July 10, 2010
Deadline: August 10, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-NS-11-002.html
Key Words**: Neurological, Psychiatric and Developmental Disorders, Dementias of Aging, Diseases and Disorders of Eye or Ear, Drug and Alcohol Dependence and Addiction**

NIH Blueprint for Neuroscience Research Grand Challenge on the Transition from Acute to Chronic Neuropathic Pain (R01)
RFA-DE-11-002
National Institutes of Health (NIH)
multiple institutes
The goal of this FOA is to facilitate research collaborations between pain scientists and non-pain neuroscientists with expertise in neuroplasticity in order to study biological mechanisms underlying the transition from acute to chronic pain. These collaborations will capture insights and expertise from disciplines where transitions from health to disease have been extensively examined. The purpose of this FOA is to encourage submission of multi-PI grant applications that propose highly collaborative, multidisciplinary research projects addressing neuropathic pain conditions. An expected outcome of this FOA will be the formation of partnerships between pain researchers and non-pain neuroscientists to develop new collaborations focused on understanding the maladaptive neuroplastic changes that occur during the transition from acute to chronic neuropathic pain.
Amount: varies
LOI: August 30, 2010
Deadline: September 29, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-11-002.html
Key Words**:**

Advanced Tools and Technologies for Deep Brain Stimulation (STTR [R41/R42] and SBIR [R43/R44])
PA-10-175 and PA-10-176
National Institutes of Health (NIH)
multiple institutes
This Funding Opportunity Announcement (FOA) encourages Small Business Technology Transfer (STTR) grant applications from small business concerns (SBCs) for projects to design and develop advanced tools and technologies that will lead to improved clinical treatment for Deep Brain Stimulation (DBS) patients.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-175.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-176.html
Key Words**:**

Research on Autism and Autism Spectrum Disorders (R01), (R03), and (R21)
PA-10-158, PA-10-159, and PA-10-160
National Institutes of Health (NIH)
multiple institutes
This funding opportunity announcement (FOA) encourages research grant applications to support research designed to elucidate the etiology, epidemiology, diagnosis, treatment, and optimal means of service delivery in relation to autism spectrum disorders (ASD). Basic, clinical, and applied studies are encouraged. This FOA is intended to support the broad research goals of the Strategic Plan for ASD Research (http://iacc.hhs.gov/reports/2009/iacc-strategic-plan-for-autism-spectrum-disorder-research-jan26.shtml).
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-158.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-159.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-160.html
Key Words**: Autism, Autism Spectrum Disorders, ASD**

Understanding and Treating Generalized and Focal Dystonias (R01)
PA-07-397
National Institutes of Health (NIH)
This program invites research grant applications aimed at understanding or treating generalized and focal dystonias. The aim of this FOA is to encourage basic, translational and clinical studies; to determine the patho-physiology of dystonia; to stimulate the development of basic and translational resources to further dystonia research; to accelerate research into promising therapeutic approaches for dystonia; and to stimulate progress in dystonia research through encouraging and facilitating interdisciplinary interactions.

Amount: unspecified
LOI: N/R

Deadline: Standard dates apply
To learn more**:** http://grants1.nih.gov/grants/guide/pa-files/PA-07-397.html
Key Words**: Neurological Disorders**

NIDA Research Education Program for Clinical Researchers and Clinicians (R25)

PAR-10-173
National Institute on Drug Abuse (NIDA)
The NIDA Research Education Program will support research education and training for those in clinically focused careers. Participants (those receiving the research education and training) should be training for careers as clinical researchers, clinicians/service providers, or optimally, a combination of the two. This mechanism may not be used for support of non-research related clinical training. In addition, applicant organizations may only propose research education experiences at the following levels of professional career development: medical/graduate student, postdoctoral fellow, medical resident, and/or independent scientist. Research education and training activities may be in any topic area related to substance use/abuse/addiction; however, the following are examples of particular relevance to this FOA: etiology; clinical assessment and diagnostics; treatment; prevention; health services; clinical neuroscience; medical consequences of drug abuse; and pre-clinical research as it pertains to translational research. Interdisciplinary research education is encouraged and may include co-morbid conditions and consequences of drug use such as HIV/AIDS. Education partnerships and collaborations are also encouraged.
Amount: $1,750,000
LOI: 30 days prior to the application submission date
Deadline: May 25, 2011, and May 25, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-173.html
Key Words**:**

Imaging - Science Track Award for Research Transition (I/START) [R03]

PAR-09-073
National Institute on Drug Abuse (NIDA)
This funding opportunity announcement (FOA) issued by the National Institute on Drug Abuse encourages Small Research Grant (R03) applications to facilitate the entry of investigators to the area of neuroimaging, including both new investigators and established investigators seeking to adopt neuroimaging methodologies in their research programs. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.
Amount: $150,000
LOI: 30 days prior to the application due date
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-073.html
Key Words**: Neuroimaging**

Alzheimer's Disease Drug Development Program (U01)

PAR-08-266
National Institute on Aging (NIA)
The objective of this solicitation is to stimulate research in the pre-clinical development and testing of novel therapeutic compounds aimed at slowing, halting, or reversing the progressive decline in cognitive function and modifying the behavioral symptoms in Alzheimer's disease (AD); or delaying the onset of or preventing AD, mild cognitive impairment (MCI), or age-related cognitive decline. This initiative is intended to stimulate activities focused on providing sufficient data to submit an Investigational New Drug (IND) application to the Food and Drug Administration to begin human clinical testing of potential new therapies. For this program neither mechanistic/basic studies nor clinical trials will be supported; only applications to develop a therapy will be accepted.
Amount: $4,000,000
LOI: September 1, 2010, October 1, 2010, January 3, 2011, February 1, 2011, September 1, 2011 and October 3, 2011. (Note: The October and February letters of receipt dates are for amended applications only).
Deadline: October 1, 2010, November 1, 2010, February 1, 2011, March 1, 2011, October 1, 2011 and November 1, 2011. (Note: The November and March receipt dates are for amended applications only).
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-266.html
Key Words**: Alzheimer's Disease, Cognitive Function, Cognitive Impairment**

Grants for Alzheimer's Disease Drug Discovery (R21)

PAS-10-151
National Institute on Aging (NIA)
The goal of this FOA is to advance the discovery of new, efficacious therapies for the treatment, delay of progression, or prevention of Alzheimer's disease (AD), mild cognitive impairment (MCI) and age-related cognitive decline. This FOA encourages the early stages of drug discovery necessary to identify promising disease-modifying therapies as well as treatments aimed at ameliorating the cognitive

and neuropsychiatric/behavioral symptoms characteristic of Alzheimer's disease. Studies aimed at the discovery and testing of therapies directed at a variety of established as well as novel therapeutic targets are encouraged. The goal is not to duplicate or compete with pharmaceutical companies but to encourage the process of discovering new, innovative, and effective therapeutics for the prevention and treatment of the cognitive impairment and behavioral symptoms associated with Alzheimer's disease.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAS-10-151.html
Key Words**: Alzheimer's Disease**

The Role of Apolipoprotein E, Lipoprotein Receptors and CNS Lipid Homeostasis in Brain Aging and Alzheimer's Disease (R01)
PA-09-217
National Institute on Aging (NIA)
This FOA encourages multidisciplinary and interdisciplinary research to elucidate how Apolipoprotein E, lipoprotein receptors and CNS lipid homeostasis influence brain aging and the transition to neurodegeneration in Alzheimer's disease (AD). The ultimate goal is to gain an in depth understanding of the mechanisms by which the Apolipoprotein E e4 allele confers increased AD risk for the purpose of advancing the overall search for efficacious AD treatments and Apolipoprotein E e4-directed therapeutics in particular. To this end we encourage research spanning multiple levels of analysis in multiple species (from mice to man). Studies aimed at identifying new therapeutic targets for the treatment of AD and other age-related neurodegenerative conditions associated with lipid neurobiology are strongly encouraged. Also of great interest are projects that aim to use lipidomics, various types of imaging and other cutting edge technologies to identify and develop early biomarkers of neurodegeneration associated lipid dyshomeostasis.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-217.html
Key Words**: Apolipoprotein, Alzheimer's Disease**

Mechanisms, Models, Measurement, & Management in Pain Research (R01), (R03) and (R21)
PA-10-006 and PA-10-008 and PA-10-007
National Institute of Nursing Research (NINR)
National Cancer Institute (NCI)
National Center for Complementary and Alternative Medicine (NCCAM)
National Institute on Aging (NIA)
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS
The purpose of this Funding Opportunity Announcement (FOA), "Mechanisms, Models, Measurement, & Management in Pain Research" issued by the National Institute of Nursing Research (NINR), in conjunction with members of the NIH Pain Consortium as listed above, is to inform the scientific community of the pain research interests of the various Institutes and Centers (ICs) at the National Institutes of Health (NIH) and to stimulate and foster a wide range of basic, clinical, and translational studies on pain as they relate to the missions of these ICs. New advances are needed in every area of pain research, from the micro perspective of molecular sciences to the macro perspective of behavioral and social sciences. Although great strides have been made in some areas, such as the identification of neural pathways of pain, the experience of pain and the challenge of treatment have remained uniquely individual and unsolved. Furthermore, our understanding of how and why individuals transition to a chronic pain state after an acute insult is limited. Research to address these issues conducted by interdisciplinary and multidisciplinary research teams is strongly encouraged, as is research from underrepresented, minority, disabled, or women investigators.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-006.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-007.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-008.html
Key Words**: Nursing. Pain Management, Clinical and Translational**

Cooperative Program in Translational Research for Neuromuscular Disease (U01)
PAR-08-229
National Institute of Neurological Disorders and Stroke
National Institute of Arthritis and Musculoskeletal and Skin Diseases
The goal of this funding opportunity announcement (FOA), from the National Institute of Neurological Disorders and Stroke (NINDS) and the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), is to support preclinical development and testing of new therapies for neuromuscular diseases. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is

specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program supports preclinical optimization and testing of these leads and projects must be sufficiently advanced that an IND or IDE application to the FDA can be submitted by the end of the project period. The program does not support early-stage therapeutic discovery activities such as high throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NIH staff in the development of the project plan and monitoring of research progress.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-229.html
Key Words: **Neuromuscular Diseases, Stroke, Neurological Disease**

Exploratory/Developmental Projects in Translational Research for Neuromuscular Disease (R21)

PAR-08-228
National Institute of Neurological Disorders and Stroke
National Institute of Arthritis and Musculoskeletal and Skin Diseases
This Funding Opportunity Announcement (FOA), from the National Institute of Neurological Disorders and Stroke (NINDS) and the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), requests applications for projects intended to complete preliminary steps in the pipeline for the preclinical development of therapeutics for neuromuscular diseases. Such projects, if successful, should lead directly to a subsequent project that will include all remaining activities for submission of an Investigational New Drug (IND) or Investigational Device Exemptions (IDE) application to the Food and Drug Administration (FDA). Only Aims required for therapy development can be supported in this program. This program excludes clinical research, basic research, and studies of disease mechanisms.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-228.html
Key Words: **Neuromuscular Diseases, Stroke, Neurological Disease**

International Neuroscience Fellowship (F05)

PAR-10-167
National Institute of Neurological Disorders and Stroke (NINDS)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Eunice Kennedy Shriver National Institute of Child Health & Human Development (NICHD)
National Ins
The goal of the International Neuroscience Fellowship (INF) is to advance the training of qualified foreign neuroscientists and clinicians at the early or mid-career level, by enhancing their basic, translational or clinical research skills in a research setting in the United States (U.S.). This program aims to strengthen the intellectual capital of neuroscience research in international institutions. Awardees are expected to pursue future independent and productive careers, which stimulate research in the neurosciences on a global scale.
Amount: unspecified
LOI: July 16, 2010, 2011, 2012
Deadline: August 16, 2010, 2011, 2012
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-167.html
Key Words: **Neuroscience Fellows**

Advanced Neural Prosthetics Research and Development (U01)

PA-09-063
National Institute of Neurological Disorders and Stroke (NINDS)
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Institute of Biomedical Imaging and Bioengineering (NIBIB)
The purpose of this Funding Opportunity Announcement (FOA) is to encourage applications to pursue translational and pilot clinical studies for neural prosthetics. The program will utilize the cooperative agreement mechanism to enable support for milestone-driven projects for the design, development, and demonstration of clinically-useful neural prosthetic devices. Activities supported in this program include implementation of clinical prototype devices, preclinical safety and efficacy testing, design verification and validation activities, pursuit of regulatory approval for clinical study, and proof-of-concept or pilot clinical studies.
Amount: $5,000,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-063.html

Key Words**: Neural Prosthetics**

NINDS Institutional Center Core Grants to Support Neuroscience Research (P30)

PAR-08-116
National Institute of Neurological Disorders and Stroke (NINDS)
NINDS Center Core Grants will support centralized resources and facilities shared by investigators with existing NINDS-funded research projects. Each Center will be composed of one or more research cores, each of which will enrich the effectiveness of ongoing research, and promote new research directions. There should be no overlap between the requested core facilities and other pre-existing core facilities. -Mechanism of Support. This Funding Opportunity Announcement (FOA) will use the NIH Center Core Grants (P30) award mechanism.
Amount: $2,500,000
LOI: 30 days before the standard receipt dates
Deadline: January 25, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-116.html
Key Words**: Neuroscience**

NINDS Diversity Research Education Grants in Neuroscience (R25)

PAR-07-456
National Institute of Neurological Disorders and Stroke (NINDS)
The NINDS Research Education Grant is a flexible and specialized mechanism designed to foster the development of neuroscience researchers through creative and innovative educational programs. Programs are sought that focus on preparing researchers in cross-disciplinary integration of neuroscience, including basic, translational, behavioral, prevention, clinical, and treatment research. Of particular interest are educational experiences that will attract, train, and further the career development of underrepresented biomedical scientists to improve the diversity of the research workforce relevant to the mission of NINDS. The NIH expects efforts to diversify the workforce to lead to the recruitment of the most talented researchers from all groups.
Amount: $1,250,000
LOI: Nonrequired letters of intent may be sent 30 days prior to the application submission date.
Deadline: Standard dates apply
To learn more**:** http://grants1.nih.gov/grants/guide/pa-files/PAR-07-456.html
Key Words**: Minorities and Disadvantaged, Neurological Disorders, Neuroscience, Stroke**

NINDS Exploratory/Developmental Projects in Translational Research (R21)

PAR-08-232
National Institute of Neurological Disorders and Stroke (NINDS)
This Funding Opportunity Announcement (FOA) requests applications for projects intended to complete preliminary steps in the pipeline for the pre-clinical development of therapeutics for neurological disorders. Such projects, if successful, should lead directly to a subsequent project that will include all remaining activities for submission of an Investigational New Drug (IND) or Investigational Device Exemptions (IDE) application to the Food and Drug Administration (FDA). Only Aims required for therapy development can be supported in this program. This program excludes clinical research, basic research and studies of disease mechanism.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-232.html
Key Words**: Neurological Disorders**

NINDS Cooperative Program in Translational Research – Single-Component Research Projects (U01)

PAR-08-233
National Institute of Neurological Disorders and Stroke (NINDS)
The goal of this funding opportunity announcement (FOA) is to support pre-clinical development and testing of new therapies for neurological disorders. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program supports pre-clinical optimization and testing of these leads and projects must be sufficiently advanced that an IND or IDE application to the FDA can be submitted by the end of the project period. The program does not support early-stage therapeutic discovery activities such as high throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NINDS staff in the development of the project plan and monitoring of research progress
Amount: varies
LOI: N/R

Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-233.html
Key Words**: Clinical translational, neurology, neurological disorders**

NINDS Cooperative Program in Translational Research - Multi-Component Research Projects (U54)

PAR-08-234
National Institute of Neurological Disorders and Stroke (NINDS)
The goal of this Funding Opportunity Announcement (FOA) is to support preclinical development and testing of new therapies for neurological disorders. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program does not support early-stage therapeutic discovery activities such as high-throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NINDS staff in the development of the project plan and monitoring of research progress.
Amount: varies
LOI: N/R
Deadline: Standard dates apply (January 25, May 25, and September 25. AIDS application submission dates are May 7, September 7, and January 7)
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-234.html
Key Words**: Neurological Disorders, Neurology, Neuroscience, Clinical translational**

Exceptional, Unconventional Research Enabling Knowledge Acceleration (EUREKA) In the Epilepsies (R01)

RFA-NS-11-003
National Institute of Neurological Disorders and Stroke (NINDS)
This FOA solicits Research Project Grant (R01) applications from institutions/organizations proposing exceptionally innovative research on novel hypotheses or difficult problems, solutions to which would have an extremely high impact on biomedical or biobehavioral research in the epilepsies.
Amount: $800,000
LOI: July 13, 2010
Deadline: August 13, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-NS-11-003.html
Key Words**: Epilepsy**

Career Development Award to Promote Diversity in Neuroscience Research (K01)

PAR-09-065
National Institute of Neurological Disorders and Stroke (NINDS)
The purpose of the NIH Mentored Research Scientist Development Award (K01) is to provide support and “protected time” (three, four, or five years) for an intensive, supervised career development experience in the biomedical, behavioral, or clinical sciences leading to research independence. The goal of the NINDS K01 is to diversify the pool of independent neuroscience research investigators. The NINDS recognizes the unique and compelling need to promote diversity in participation in neuroscience research and expects these efforts to diversify the neuroscience research workforce to lead to the recruitment of the most talented researchers from all groups.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-065.html
Key Words**: Neurology, Neurological Research**

NINDS Cooperative Program in Translational Research - Resource Centers (U24)

PAR-08-236
National Institute of Neurological Disorders and Stroke (NINDS)
The goal of this Funding Opportunity Announcement (FOA) is to implement a program of cooperative agreements that will support milestone-driven, resource-related projects focused on providing products and services that are required for the preclinical testing of new therapeutics, and that are specific to neurology.
Amount:
LOI: N/R
Deadline: Standard dates apply (May 25, and September 25. AIDS application submission dates are May 7, September 7, and January 7)
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-236.html
Key Words**: Neurological Disorders, Neurology, Neuroscience, Clinical translational**

Ancillary Studies in Clinical Trials of CNS/PNS Disorders – NINDS Accelerated Awards Program (R01)
PAR-09-263
National Institute of Neurological Disorders and Stroke (NINDS)
This FOA is issued by the National Institute of Neurological Disorders and Stroke, National Institutes of Health. The purpose of this initiative is to encourage and facilitate ancillary studies undertaken in conjunction with on-going NINDS-funded clinical trials of neurological disorders.
Amount: varies
LOI: 30 days prior to submission
Deadline: August 16, 2010; December 16, 2010; April 15, 2011; August 16, 2011; December 16, 2011; April 16, 2012; August 16, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-263.html
Key Words**: Ancillary Studies, Clinical Trials**

NINDS Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellows in MD-PhD programs (F31)
PAR-10-091
National Institute of Neurological Disorders and Stroke (NINDS)
The purpose of this individual predoctoral research training fellowship is to provide support for promising doctoral candidates who are enrolled in combined MD-PhD programs, who will be performing dissertation research and training in scientific health-related fields relevant to the mission of the National Institute of Neurological Disorders and Stroke.
Amount: limited to 5 years support
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-091.html
Key Words**: MD/PhD Programs**

NINDS Exploratory/Developmental Projects in Translational Research for Resistant Epilepsy and Epileptogenesis (R21)
PAR-10-143
National Institute of Neurological Disorders and Stroke (NINDS)
This funding opportunity announcement (FOA), from the National Institute of Neurological Disorders and Stroke (NINDS) encourages applications for projects intended to complete preliminary steps in the pipeline for the preclinical development of therapeutics to cure epilepsy, prevent the emergence of epilepsy following brain injury (including status epilepticus, traumatic brain injury, stroke, encephalitis, or other injury) or in other high-risk groups, or to better treat individuals with intractable epilepsy. Such projects, if successful, should lead directly to a subsequent project that will include all remaining activities for submission of an Investigational New Drug (IND) or Investigational Device Exemptions (IDE) application to the Food and Drug Administration (FDA). Only Aims required for therapy development can be supported in this program. This program excludes clinical research, basic research, and studies of disease mechanisms.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-143.html
Key Words**: Epilepsy**

NINDS Cooperative Program in Translational Research for Resistant Epilepsy and Epileptogenesis (U01)
PAR-10-144
National Institute of Neurological Disorders and Stroke (NINDS)
The goal of this funding opportunity announcement (FOA), from the National Institute of Neurological Disorders and Stroke (NINDS) is to support preclinical development of new therapies to cure epilepsy, prevent the emergence of epilepsy following brain injury (including status epilepticus, traumatic brain injury, stroke, encephalitis, or other injury) or in other high-risk groups, or to better treat individuals with intractable epilepsy. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program supports preclinical optimization and testing of these leads and projects must be sufficiently advanced that an IND or IDE application to the FDA can be submitted by the end of the project period. The program does not support early-stage therapeutic discovery activities such as high throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NIH staff in the development of the project plan and monitoring of research progress.

Amount: varies
LOI: 30 days prior to each submission date
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-144.html
Key Words**: Epilepsy**

Mouse Models Containing Human Alleles: Novel Tools to Study Brain Function (R21/R33)
PAR-08-158
National Institute of Mental Health
National Institute on Aging
National Institute on Alcohol Abuse and Alcoholism
National Institute on Drug Abuse
This Funding Opportunity Announcement invites Phased Innovation (R21/R33) grant applications from organizations /institutions that propose the development and characterization of novel mouse models that express human genes or human genetic elements that can aid in understanding the molecular mechanisms underlying brain function and the physiological function/significance of gene variants and gene dosage abnormalities that have been identified as possibly being involved in mental disorders, addiction, neurodegenerative disorders of aging, and alcoholism as well as related comorbid conditions
Amount: $150,000
LOI: 30 days prior to application receipt date
Deadline: multiple dates (January 28, 2011)
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-158.html
Key Words**: Animal Models**

Development of PET and SPECT Ligands for Brain Imaging (SBIR [R43/R44])
PA-08-137
National Institute of Mental Health
National Institute on Aging
National Institute on Alcohol Abuse and Alcoholism
National Institute on Deafness and Other Communication Disorders
This Funding Opportunity Announcement (FOA) is intended to stimulate the commercial development of novel radioligands for positron emission tomography (PET) and single photon emission computed tomography (SPECT) imaging in human brain, and to incorporate pilot or clinical feasibility evaluation in pre-clinical studies, model development, or clinical studies. The NIH institutes listed in this FOA are specifically interested in the development of radioligands for molecular targets (e.g., receptors, cell adhesion molecules, intracellular messengers, and disease related proteins) that are of broad interest to the scientific community. These radiotracers will be used for neuroimaging as well as potential biological markers and surrogate endpoints for translational and clinical research, drug discovery and development, and clinical trials. Also appropriate for this FOA are applications proposing research and development of new technologies for radiotracer development.
Amount: up to $300,000 total costs per year and time periods up to two years for Phase I may be requested. Budgets up to $500,000 total costs per year and up to three years may be requested for Phase II.
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-137.html
Key Words**:**

Drug Discovery for Nervous System Disorders (R01) and (R21)
PAR-10-001 and PAR-10-002
National Institute of Mental Health (NIMH)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute on Drug Abuse (NIAD)
National Institute of Neurological Disorders and Stroke (NINDS)
This funding opportunity announcement (FOA) encourages research grant applications from applicant organizations directed toward the discovery and preclinical testing of novel compounds for the prevention and treatment of nervous system disorders.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-001.html and http://grants.nih.gov/grants/guide/pa-files/PAR-10-002.html
Key Words**: Neurological Disorders, Therapy, Treatment, Diagnostics**

Pharmacologic Agents and Drugs for Mental Disorders (SBIR [R43/R44])
PA-08-142
National Institute of Mental Health
This funding opportunity announcement (FOA) solicits Small Business Innovation Research (SBIR) grant applications that propose to develop novel pharmacologic agents for brain research related to mental disorders, including research aimed at discovering new drugs for these disorders. In addition, this FOA solicits SBIR grant applications that propose to take existing, promising compounds through the next step of drug discovery and development. Finally, this FOA also encourages SBIR grant applications designed to study the effectiveness of novel interventions.
Amount: up to $350,000 total costs per year and time periods up to two years for Phase I may be requested. Budgets up to $600,000 total costs per year and up to three years may be requested for Phase II.
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-142.html
Key Words**:**

Michael J. Fox Foundation Launches Second Year of Rapid Response Innovation Awards
MJFF
The program is designed to provide funding for strong ideas being tested for the first time. RRIA allows for the submission of applications at any time of year. There is no pre-proposal stage, and the standard application has been shortened to three pages. Additionally, postdoctoral researchers are permitted to apply as principal investigators under this initiative, provided the head of their lab serves as Administrative PI to assist with the provision of institutional documents and sign the award contract.
Amount: unspecified
LOI: N/R
Deadline: rolling
To learn more**:** http://www.michaeljfox.org/research_openFundingPrograms_program.cfm?ID=7
Key Words**: Parkinsons Disease**

Mayday Fund of New York
Mayday Fund of New York
The Mayday Fund is dedicated to alleviating the incidence, degree, and consequence of human physical pain.
Amount: $2,000-$500,000
LOI: N/R
Deadline: Continuous
To learn more**:** http://www.maydayfund.org/
Key Words**: Pain, Pain Alleviation**

Brain Disorders in the Developing World: Research Across the Lifespan (R01)
PAR-08-112 and PAR-08-113
Fogarty International Center (FIC)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Institute on Drug Abuse (
This Funding Opportunity Announcement (FOA) encourages grant applications proposing the development and conduct of innovative, collaborative research and research training projects, between High Income country (HIC) and low- to middle-income country (LMIC) scientists, on nervous system function and disorders throughout life, relevant to LMICs. The collaborative research programs are expected to contribute to the long-term goals of building sustainable research capacity in LMICs to address nervous system development, function and impairment throughout life and to lead to diagnostics, treatment and prevention strategies that are applicable worldwide. -Mechanism of Support. This FOA will utilize the NIH Research Project Grant (R01) award mechanism and runs in parallel with an FOA of identical scientific scope, PAR-08-113, that encourages applications under the Exploratory/Developmental Grant (R21) award mechanism.
Amount: varies
LOI: April 16, 2010
Deadline: May 14, 2010 (August 23, 2010 for AIDS applications)
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-112.html and http://grants.nih.gov/grants/guide/pa-files/PAR-08-113.html
Key Words**:**

Fiscal Year 2010 (FY10) Autism Research Program (ARP)
W81XWH-10-ARP-CTA
W81XWH-10-ARP-IDA
W81XWH-10-ARP-RDA
W81XWH-10-ARP-EHDA
DOD
Congressionally Directed Medical Research Programs (CDMRP)
The mission of this program is to promote innovative research that advances the understanding of autism spectrum disorder and leads to improved treatment outcomes. Opportunities are available in the following areas.
Clinical Trial Award
Idea Development Award
Resource Development Award
Exploration-Hypothesis Award
Amount: up to $1,000,000
LOI: June 10, 2010 for Exploration-Hypothesis Award
Deadline: July 28, 2010; July 1, 2010 for Exploration-Hyposthesis Award
To learn more**:** http://cdmrp.army.mil/funding/arp.htm
Key Words**: Autism**

Amyotrophic Lateral Sclerosis Research Program (ALSRP)
[Therapeutic Development Award; Therapeutic Idea Award]
W81XWH-10-ALSRP-TDA
W81XWH-10-ALSRP-TIA
DOD
Congressionally Directed Medical Research Programs (CDMRP)
The FY2010 Amyotrophic Lateral Sclerosis Research Program (ALSRP) promotes the introduction of improved therapies for ALS by encouraging ALS investigators to undertake preclinical studies of novel and existing agents.
Amount: varies with award; up to $1,500,000
LOI: May 14, 2010
Deadline: August 4, 2010
To learn more**:** http://cdmrp.army.mil/funding/alsrp.htm
Key Words**: ALS, Preclinical Model Systems, Pharmacologic Agents**

Cognitive Rehabilitation Clinical Trial Award
Department of Defense (DoD)
Congressionally Directed Medical Research Programs (CDMRP)
Award is intended to support the rapid implementation of clinical trials to assess the efficacy of cognitive rehabilitative therapy for members or former members of the Armed Forces.
Amount: $2,000,000
LOI: Yes
Deadline: Requests for email notification of the release of this program announcement when available may be sent to cdmrp.publicaffairs@amedd.army.mil
To learn more**:** http://cdmrp.army.mil/
Key Words**: TBI, Traumatic Brain Injury, Cumulative Concussions, Information Technology Devices, Nutritional Supplements, Rehabilitation, Polytrauma**

Year 2010 Department of Defense Peer Reviewed Medical Research Program
W81XWH-10-PRMRP-CTA
W81XWH-10-PRMRP-IIRA
W81XWH-10-PRMRP-TTDA
Department of Defense (DOD)
Congressionally Directed Medical Research Programs (CDMRP)
All applications for PRMRP funding must specifically and clearly address at least one of the topic areas as directed by Congress, and have direct relevance to the health care needs of the Armed Forces, their family members, and/or the U.S. veteran population. If the proposed research has no relevance to currently advertised PRMRP topic areas, the Government reserves the right to administratively withdraw the application. The Government also reserves the right to reassign the proposal's topic area if submitted under an inappropriate topic area. The FY10 PRMRP topic areas as provided by Congress are listed below.
Chronic Migraine and Post-traumatic Headache
Dystonia
Drug Abuse

Epilepsy
Fragile X Syndrome
Inflammatory Bowel Disease
Interstitial Cystitis
Listeria vaccine for infectious disease
Lupus
Mesothelioma
Neuroblastoma
Osteoporosis and related bone disease
Paget's Disease
Pheochromocytoma
Polycystic Kidney Disease
Post-traumatic Osteoarthritis
Scleroderma
Social Work Research
Tinnitus
Amount: up to $2,200,000
LOI: N/R
Deadline: August 5, 2010 for Investigator-Initiated Research Award
To learn more**:** http://cdmrp.army.mil/funding/prmrp.htm
Key Words**: Clinical Trials, Concept, Investigator-Initiated, Therapy**

Defense Sciences Research & Technology

DARPA-BAA-10-55
Defense Sciences Research & Technology
Defense Sciences Office (DSO)
The mission of the Defense Advanced Research Projects Agency's (DARPA) Defense Sciences Office (DSO) is to pursue and exploit fundamental science and innovation for National Defense. Therefore, DSO is soliciting proposal abstracts and full proposals for advanced research and development in a variety of enabling technical areas.
Basic Neuroscience Research: DSO is interested in neuroscience research ideas enabling innovation in the science and technology for improved human performance, specifically to overcome the challenges encountered in the operational environment. The areas for research may span fundamental, applied, and computational neuroscience.
Physics of Nano-Materials and Devices: DSO is interested in fundamental and applied research in nano-materials, design methodologies, and potential device application (e.g., navigation, communication, and sensing of chemical, biological, optical, infrared, acoustic, magnetic, and other signals of interest).
Basic Biology Research: DARPA is interested in fundamental and applied research in the biological sciences across all scales (e.g., quantum to ecological) to contribute to defense capabilities including development of synergies with other disciplines (e.g., information technology, micro/nanotechnology, manufacturing). While broad in scope, novel approaches to biomedical applications, biological warfare defense, and human performance optimization are of particular interest.
Amount: unspecified
LOI: N/R
Deadline: anytime until May 5, 2011
To learn more**:** https://www.fbo.gov/?s=opportunity&mode=form&id=ffbd2c735e17e3a64fd0c2e4f792ae93&tab=core&_cview=0
Key Words**: Protein Conformation, Safety or Efficacy of Therapeutics and Vaccines, Field Medical Therapies, Technologies for Non-invasive and/or remote Assessment of Physiological Status, Devices for Rapid Synthesis and Molecular Analysis of Biomolecules and Structures, Unidentified Microbes, Neurotrauma, Penetrating and Non-penetrating Injuries, Stress, Real-time Neural Signal Acquisition and Analysis**

Spinal Cord Injury Research

Craig H. Neilsen Foundation
The Craig H. Neilsen Foundation is a private foundation that provides grants for basic and pre-clinical research aimed at developing a cure for spinal cord injury, and postdoctoral fellowships to support the next generation of scientists. We also offer Opportunity Program Grants for qualifying nonprofit §501(c)(3) organizations to support innovative programs designed to improve the quality of life for those living with a spinal cord injury. Grants are not awarded to individuals.
Amount: unspecified
LOI: August 20, 2010
Deadline: December 1, 2010
To learn more**:** http://www.chnfoundation.org/
Key Words**:**

Association for Frontotemporal Dementias Research Grant

Association for Frontotemporal Dementias
The Request for Proposals is designed to generate preliminary data for larger grant applications to the NIH or other public or private agencies concerned with this important medical and social problem.
Amount: $60,000
LOI: N/R
Deadline: June 28, 2010
To learn more**:** http://www.ftd-picks.org/front-page/2010-aftd-research-rfp
Key Words**: Frontotemporal Dementias, Dementia, Behavioral Variant FTD, Corticobasal Degeneration, FTD Motor Neuron Disease, Pick's Disease, Progressive Aphasia, Semantic Dementia, Progressive Supranuclear Palsy**

Research Grants

American Fibromyalgia Syndrome Association (AFSA)
AFSA is an all volunteer nonprofit organization dedicated to funding research that investigates the causes and treatments for fibromyalgia syndrome.
Amount: $50,000 annually
LOI: N/R
Deadline: Continuous
To learn more**:** http://www.afsafund.org/grant.htm
Key Words**:**

Integrative Behavioral Neuroscience Award

American College of Neuropsychopharmacology
The American College of Neuropsychopharmacology announces the creation of a prize in integrative behavioral neuroscience. This prize is being established to stimulate genesis of solutions to a major practical and conceptual barrier to improved understanding of mental illnesses: the absence of models that successfully integrate wide-ranging molecular and neural substrates of these illness.
Amount: $35,000
LOI: N/R
Deadline: October 15, 2010
To learn more**:** http://www.acnp.org
Key Words**:**

Advances in Bioscience for Airmen Performance

BAA-09-02-RH
Air Force Research Laboratory, Human Effectiveness Directorate, Biosciences and Performance Division (AFRL/RHP)
The 711th Human Performance Wing, Human Effectiveness Directorate is soliciting white papers under this announcement for innovative science and technology projects to support advanced bioscience research. Specifically, the Biosciences and Performance Division is seeking unique and innovative research concepts that address its technical mission areas. Research is sought primarily in the following four technical areas: 1) Applied Biotechnology, 2) Biobehavioral Performance, 3) Biomechanics, and 4) Counter proliferation.
1) Applied Biotechnology - Goal is to develop and exploit advances in biotechnology and associated nanotechnologies to enhance performance and situational awareness of the force.
2) Biobehavioral Performance – Goal is to develop bio-based methods and techniques to sustain and optimize airmen's cognitive performance.
3) Vulnerability Analysis – Goal is to rapidly identify human threat conditions, and sustain/expand Airmen performance in stressful environments. It includes research in physical and physiological biosignatures, neuroscience, anthropometry, biomechanics, human modeling, database networking, and data mining.
4) Counter proliferation – Goal is to improve the Air Force's ability to locate, identify, track, target, and destroy biological warfare agents (BWA) and other weapons of mass destruction (WMD), as well as anticipate and mitigate WMD effects on AF operations.
Amount: Cost Plus
LOI: White Papers accepted until September 30, 2014
Deadline:
To learn more**:**
https://www.fbo.gov/index?s=opportunity&mode=form&id=411797fcc2260cb5d9ed346b3c139a4b&tab=core&_cview=1&cck=1&au=&ck=
Key Words**: Gene Expression Balance, Protein Expression Patterns, Phenotypic Patterns, Biomarker Signatures, Cognitive Performance**

Nursing; Practice & Outcomes Research

Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellows In Nursing Research (F31)

New

PAR-10-211
National Institute of Nursing Research (NINR)
The purpose of the Ruth L. Kirschstein National Research Service Award (NRSA) for Individual Predoctoral Fellows in Nursing Research (F31) program is to train future generations of outstanding nurse scientists who are committed to research careers in scientific health-related fields relevant to the programmatic interests of the National Institute of Nursing Research (NINR). This FOA encourages Individual Predoctoral Fellowship (F31) applications from institutions/organizations that propose to increase the number of nurses prepared with a doctoral degree in order to meet the demands for adequately trained behavioral, biological, and biobehavioral scientists. NINR is particularly interested in facilitating the progress of students who are in research training programs for recent nursing graduates and students in BSN to PhD programs. This fellowship program will provide predoctoral training support for doctoral students. The applicant should propose a research training program and dissertation research that is consistent with the scientific mission of the NINR.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-211.html
Key Words**:**

Nurse Researcher Awards

New

Alex's Lemonade Stand Foundation
Mentored Nurse Researcher Grants are designed to support efforts of nurse researchers with both mentor and institutional support to accomplish small research projects with goals that relate to improving nursing care or quality of life for children with cancer and their families. Examples of fundable projects include collecting information to answer a nursing question related to care of a child with cancer or applying research based evidence to improve pediatric cancer nursing practices at the institution.
Intermediate Nurse Researcher Grants are designed to financially support efforts of more experienced nurse researchers who have the support and commitment of their institution. Project goals must relate to improving nursing care or quality of life for children with cancer and their families. Such projects may collect information to answer a nursing question related to care of the child with cancer or may be designed to apply research based evidence to improve pediatric cancer nursing practice at the institution. Awards may not be used to supplement other support in a large project.
Applications for ALSF Independent Nurse Reseracher Grants are expected to be from experienced investigators to investigate topics and issues related to the quality of nursing care and the quality of life for children with cancer. Demonstration of a career that shows commitment to pediatric cancer nursing is a critical component of a successful application. Awards may not be used to supplement other support in a large project.
Amount: Nurse Researcher Categories
Mentored - $10,000 a year for 2 years
Intermediate - $20,000 a year for 2 years
Independent - $50,000 a year for 2 years
LOI: N/R
Deadline: August 2, 2010
To learn more**:** http://www.alexslemonade.org/grants/submission-information
Key Words**:**

2010-11 Scholars Program in Youth Settings Research

William T. Grant Foundation
An initiative of the William T. Grant Foundation, the William T. Grant Scholars Program is accepting applications from promising early-career researchers who want to tackle questions important to theory and either policy or practice for improving youth settings.
The program is designed to support promising early-career researchers from diverse disciplines who have demonstrated success in conducting high-quality research and are seeking to further develop and broaden their expertise. The foundation is interested in applicants trained across a range of social, behavioral, and health sciences. Applicants must submit a project that is consistent with the foundation's current research interests: addressing issues that have compelling relevance for theory and policies or practices affecting the settings of youth between the ages of 8 and 25 in the United States or a vulnerable sub-population of those youth.
Amount: $350,000
LOI: N/R
Deadline: July 7, 2010
To learn more**:** http://www.wtgrantfoundation.org/funding_opportunities/fellowships/william_t__grant_scholars
Key Words**: Settings, Youth Development, Youth Policy, Identity Development**

The William T. Grant Scholars Program
William T. Grant Foundation
The William T. Grant Scholars Program supports promising early-career researchers from diverse disciplines, who have demonstrated success in conducting high-quality research and are seeking to further develop and broaden their expertise.
Candidates are nominated by a supporting institution and must submit five-year research plans that demonstrate creativity, intellectual rigor, and a commitment to continued professional development.
Amount: $350,000
LOI: N/R
Deadline: July 7, 2010
To learn more**:** http://www.wtgrantfoundation.org/File%20Library/Funding%20Opportunities/FAQs%20for%20Scholars.doc
Key Words**: After School Program Evaluations, Youth Development, Policy and Practice that Affect Youth**

NIH Blueprint for Neuroscience Research Grand Challenge on the Transition from Acute to Chronic Neuropathic Pain (R01)
RFA-DE-11-002
National Institutes of Health (NIH)
multiple institutes
The goal of this FOA is to facilitate research collaborations between pain scientists and non-pain neuroscientists with expertise in neuroplasticity in order to study biological mechanisms underlying the transition from acute to chronic pain. These collaborations will capture insights and expertise from disciplines where transitions from health to disease have been extensively examined. The purpose of this FOA is to encourage submission of multi-PI grant applications that propose highly collaborative, multidisciplinary research projects addressing neuropathic pain conditions. An expected outcome of this FOA will be the formation of partnerships between pain researchers and non-pain neuroscientists to develop new collaborations focused on understanding the maladaptive neuroplastic changes that occur during the transition from acute to chronic neuropathic pain.
Amount: varies
LOI: August 30, 2010
Deadline: September 29, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-11-002.html
Key Words**:**

Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellowships to Promote Diversity in Health-Related Research (Parent F31 - Diversity)
PA-10-109
National Institutes of Health (NIH)
Multiple Institutes
The purpose of this individual predoctoral research training fellowship is to improve the diversity of the health-related research workforce by supporting the training of predoctoral students from groups that have been shown to be underrepresented. Such candidates include individuals from underrepresented racial and ethnic groups, individuals with disabilities, and individuals from disadvantaged backgrounds.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-109.html
Key Words**: Cancer, Eye Diseases, Heart, Lung, Blood, Genome Research, Aging, Substance Abuse, Allergy, Infectious Disease, Arthritis, Musculoskeletal Diseases, Skin Diseases, Bioimaging, Bioengineering, Child Health, Communication Disorders, Dental and Craniofacial Research, Diabetes, Digestive and Kidney Diseases, Environmental Health, General Medicine, Neurological Disorders, Stroke, Nursing, CAM**

Ruth L. Kirschstein National Research Service Awards (NRSA) for
Individual Postdoctoral Fellows (Parent F32)
Individual Senior Fellows (Parent F33)
PA-10-110 and PA-10-111
National Institutes of Health (NIH)
Multiple Institutes
The purpose of this individual postdoctoral research training fellowship is to provide support to promising Fellowship Applicants with the potential to become productive, independent investigators in scientific health-related research fields relevant to the missions of participating NIH Institutes and Centers.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-110.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-111.html
Key Words: **Cancer, Eye Diseases, Heart, Lung, Blood, Genome Research, Aging, Substance Abuse, Allergy, Infectious Disease, Arthritis, Musculoskeletal Diseases, Skin Diseases, Bioimaging, Bioengineering, Child Health, Communication Disorders, Dental and Craniofacial Research, Diabetes, Digestive and Kidney Diseases, Environmental Health, General Medicine, Neurological Disorders, Stroke, Nursing, CAM**

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) - PA-06-468/PA-08-226

PA-06-468/PA-08-226
National Institutes of Health (NIH)
The objective of the National Research Service Award (NRSA) program is to provide predoctoral and postdoctoral research training opportunities for individuals interested in pursuing research careers in biomedical, behavioral and clinical research. Each NIH Institute and Center has a unique scientific purview and different program goals and initiatives that evolve over time. It is therefore critical that all applicants consult with the scientific/research contact at the relevant NIH Institute or Center for current information about program priorities and policies before preparing an application. This action is of utmost importance because applications with marginal or no relevance to the NIH awarding components participating in this funding opportunity announcement will not be accepted for review or considered for funding.
Amount: varies
LOI: N/R
Deadline: Jan 25 annually; May 25 annually
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-226.html
Key Words: **Alcohol or Alcoholism, Allergy, Alternative Medicine, Arthritis, Biomedical Research (Multidisciplinary), Blood Diseases, Cancer or Carcinogenesis, Cardiovascular Diseases, Deafness, Diabetes, Digestive Diseases and Disorders, Drug Abuse Prevention, Environmental Health, Eye Diseases, Genomics, Geriatrics, Infectious Diseases or Agents, Internal Medicine, Mental Health, Musculoskeletal Diseases, Neurological Disorders, Nursing Education, Nutrition or Dietetics, Pediatrics, Pulmonary Diseases, Respiratory Diseases, Substance Abuse**

Contextual Approaches to Prevention of Unintended Pregnancy [(R01) PA-09-014] and [(R21) PA-09-015]

PA-09-014 and PA-09-015
National Institutes of Health
The purpose of this Funding Opportunity Announcement (FOA) is to strengthen and revitalize scientific research on the prevention of unintended pregnancies in the United States. The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) invites R01 research grant applications that will inform interventions addressing the cultural and structural factors that produce high rates of unintended pregnancy across the reproductive age span, especially in low-income populations in the United States. These interventions can operate at a wide range of levels, from clinical interventions to interventions that influence cultural, economic, social, structural, and/or policy factors contributing to unintended pregnancy. -Mechanism of Support. This FOA will utilize the R01 grant award mechanism and runs in parallel with a FOA of identical scientific scope, PA-09-015, that solicits applications under the NIH Exploratory/Developmental (R21) grant award mechanism.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-014.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-015.html
Key Words: **Pregnancy, Pregnancy Prevention, Unintended Pregnancy**

Technology-Based Adherence Interventions for Substance Abusing Populations with HIV (R01) and (R34)

PAS-10-097 and PAS-10-098
National Institute on Drug Abuse (NIDA)
Through this FOA, the National Institute on Drug Abuse (NIDA) seeks to stimulate and support research on the determination of efficacy and potency of interventions that utilize technological tools (e.g., mobile enabling technologies, Ecological Momentary Assessment (EMA), enhanced Medication Event Monitoring System, computer software, portable digital devices, cell phone and/or Digital Assistant Device among others) to foster adherence to Human Immunodeficiency Virus (HIV) treatment regimens among substance abusing populations in naturally occurring timeframes and contexts. Multidisciplinary collaboration between social scientists, medical (physician/nurse) researchers and technology experts to develop and refine mobile technological instrumentation, e-health technology and software as interventions (or as part of interventions) that foster adherence to HIV treatment regimens and access to care in real time is encouraged.
Amount: varies

LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAS-10-097.html and http://grants.nih.gov/grants/guide/pa-files/PAS-10-098.html
Key Words: **Treatment Regimens, HIV/AIDS**

Critical Illness and Injury in Aging (R03), (R01) and (R21)
PA-10-043 and PA-10-042 and PA-10-044
National Institute on Aging (NIA)
National Heart, Lung, and Blood Institute (NHLBI)
National Institute on Nursing Research (NINR)
This FOA encourages Small Research Project Grant (R03) applications proposing to study mechanisms and management of critical illness and injury in aging. Studies may be mechanistic, observational, or interventional in nature. Secondary analyses of existing datasets, such as from large observational studies or clinical trials, may be proposed. Animal studies are appropriate in cases where human studies are not feasible.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-043.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-042.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-044.html
Key Words: **Injury, Aging**

Clinical Trial Planning Grants for Critical Illness and Injury in Aging (R34)
PA-10-045
National Institute on Aging (NIA)
This FOA issued by the National Institute on Aging encourages Clinical Trial Planning Grant (R34) applications to develop research protocols for Phase III and IV clinical trials related to critical illness and injury in aging. The planning grant mechanism is intended to permit early peer review of the rationale and design of the proposed Phase III or IV clinical trial, and to support development of a research team, tools for data management and research oversight, recruitment strategies, detailed protocol and Manual of Procedures (MOP), and other essential components necessary for a competitive clinical trial application. This FOA is NOT designed for collecting preliminary data or conducting pilot studies in support of the scientific rationale for a clinical trial.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-045.html
Key Words: **Injury, Aging**

Mechanisms, Measurement, and Management of Pain in Aging: from Molecular to Clinical (R01), (R21) and R03)
PA-09-193, PA-09-194 and PA-09-195
National Institute on Aging (NIA)
This FOA encourages Research Project Grant (R01) applications from institutions/organizations that propose to (1) study biological, neurobiological, psychosocial, and clinical mechanisms and processes by which aging and/or age-related diseases affect the experience of pain, (2) examine biological, neurobiological, psychosocial, and clinical factors that impact pain experience and prevalence in older people, (3) evaluate existing pain assessment and/or management approaches in older adults, or (4) develop new assessment methods and/or management strategies for pain with particular attention to the needs of older adults. Studies involving animal models or human subjects are appropriate under this program announcement.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-193.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-194.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-195.html
Key Words: **Aging, Pain Management**

Mechanisms, Models, Measurement, & Management in Pain Research (R01), (R03) and (R21)
PA-10-006 and PA-10-008 and PA-10-007
National Institute of Nursing Research (NINR)
National Cancer Institute (NCI)
National Center for Complementary and Alternative Medicine (NCCAM)
National Institute on Aging (NIA)

National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS
The purpose of this Funding Opportunity Announcement (FOA), "Mechanisms, Models, Measurement, & Management in Pain Research" issued by the National Institute of Nursing Research (NINR), in conjunction with members of the NIH Pain Consortium as listed above, is to inform the scientific community of the pain research interests of the various Institutes and Centers (ICs) at the National Institutes of Health (NIH) and to stimulate and foster a wide range of basic, clinical, and translational studies on pain as they relate to the missions of these ICs. New advances are needed in every area of pain research, from the micro perspective of molecular sciences to the macro perspective of behavioral and social sciences. Although great strides have been made in some areas, such as the identification of neural pathways of pain, the experience of pain and the challenge of treatment have remained uniquely individual and unsolved. Furthermore, our understanding of how and why individuals transition to a chronic pain state after an acute insult is limited. Research to address these issues conducted by interdisciplinary and multidisciplinary research teams is strongly encouraged, as is research from underrepresented, minority, disabled, or women investigators.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-006.html andhttp://grants.nih.gov/grants/guide/pa-files/PA-10-007.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-008.html
Key Words**: Nursing. Pain Management, Clinical and Translational**

Research on Clinical Decision Making in People with or at Risk for Life-Threatening Illness (R01) and (R21)

PA-09-122 and PA-09-121
National Institute of Nursing Research (NINR)
National Cancer Institute (NCI)
This funding opportunity announcement (FOA) issued by the National Institute of Nursing Research (NINR) and the National Cancer Institute (NCI), National Institutes of Health, seeks to stimulate research on the decision-making processes made by persons at risk for and those faced with life-threatening illness. These illnesses are ones that almost always lead to death in a fairly short period of time if left untreated, but may be chronic or even cured if dealt with early in the disease process. An example of a life-threatening illness that may be chronic for some years would be HIV infection when treated. An example of a life-threatening illness that may be cured in its early stages would be breast cancer. Decision-making can occur from the point of adopting preventive behaviors through the end of life. Examples of such decisions could include participating in an HIV vaccine clinical trial, testing for genetic disorder, choosing a treatment intervention vs. watchful waiting (as in early stage prostate cancer), choosing a treatment intervention among several options, joining a therapeutic clinical trial, or making end-of-life care decisions.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-122.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-121.html
Key Words**: Nursing Research, Cancer Control, Life-Threatening Decision Making Caregivers, Palliative Care**

NINR Mentored Research Scientist Development Award for Underrepresented or Disadvantaged Investigators (K01)

PAR-09-074
National Institute of Nursing Research (NINR)
The purpose of the NINR Mentored Research Scientist Development Award for Underrepresented or Disadvantaged Investigators (K01) is to provide support and "protected time" (three, four, or five years) for an intensive, supervised career development experience in the biomedical, behavioral, or clinical sciences leading to research independence.
Mechanism of Support: This Funding Opportunity Announcement (FOA) will utilize the NIH Mentored Research Scientist Development Award (K01) mechanism.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-074.html
Key Words**: Nursing Research**

NINR Career Transition Award (K22)

PAR-09-067
National Institute of Nursing Research (NINR)
The purpose of the NINR Career Transition Award (K22) program is to provide up to 5 years of support consisting of two phases. The initial phase will provide up to 2 years of mentored intramural experience for highly promising, postdoctoral research scientists in an NIH intramural program. This phase will be followed by up to 3 years of extramural support contingent on securing an independent tenure-track or equivalent research position. The NINR Career Transition award is limited to postdoctoral trainees who propose research relevant to the mission of the National Institute of Nursing Research (NINR)

Amount: $100,000
LOI: 30 days before due date
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-067.html
Key Words**: Nursing Research**

Ruth L. Kirschstein National Research Service Award (NRSA) for Individual Predoctoral Fellows in Nursing Research (F31)
PAR-09-227
National Institute of Nursing Research
This FOA issued by the National Institute of Nursing Research (NINR/NIH), National Institutes of Health, encourages Individual Predoctoral Fellowship (F31) applications from institutions/organizations that propose to increase the number of nurses prepared with a doctoral degree in order to meet the demands for adequately trained behavioral, biological, and biobehavioral scientists. NINR is particularly interested in facilitating the progress of students who are in research training programs for recent nursing graduates and students in BSN to PhD programs. This fellowship program will provide predoctoral training support for doctoral students. The applicant must propose a research training program and dissertation research that is consistent with the scientific mission of the NINR. Research topics and skills that will serve as a foundation for an ongoing program of research are of particular interest. The research training experience must enhance the applicant's conceptualization of research problems and research skills, under the guidance and supervision of a committed mentor who is an active and established investigator in the area of the applicant's proposed research. The research training program should be carried out in a research environment that includes appropriate human and technical resources and is demonstrably committed to the research training of the applicant in the program he/she proposes in the application.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-227.html
Key Words**: Nursing Fellowships**

Request for Information (RFI): Priorities for Transgenerational Research
NOT-ES-10-010
National Institute of Environmental Health Sciences (NIEHS)
National Toxicology Program (NTP)
National Institute of Environmental Health Sciences (NIEHS) Division of Extramural Research and Training (DERT)
The NIEHS is seeking input from the scientific community, health professionals, patient advocates, community-based organizations, students, and the general public about current and emerging priorities in transgenerational (TG) research that offer the greatest potential for improving the nation's health and well-being. This input will inform the NIEHS' strategic planning process and help the NIEHS meet its mission of pursuing opportunities for improving the environmental health of the American people.
Amount:
LOI:
Deadline: Response Date June 30, 2010
To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-ES-10-010.html
Key Words**:**

Health Disparities in NIDDK Diseases (R01)
PA-09-262
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Institute of Nursing Research (NINR)
The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the National Institute of Nursing Research (NINR) of the National Institutes of Health (NIH) seek research to understand and mitigate issues of health disparities in high priority diseases within their scope, including diabetes, obesity, nutrition-related disorders, hepatitis C, gallbladder disease, H. Pylori infection, sickle cell disease, kidney diseases, urologic diseases, hematologic diseases, metabolic, gastrointestinal, hepatic, and renal complications from infection with HIV.NINR promotes and improves the health of individuals, families, communities, and populations, supports and conducts clinical and basic research and research training on health and illness across the lifespan.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-262.html
Key Words**: Diabetes, Health Disparities, Nursing, Clinical and Basic Research**

Development and Validation of Disease Biomarkers (R01)
PA-09-204
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) (http://www2.niddk.nih.gov)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Nursing Research (NINR)
Office of Dietary Supplements (ODS)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), the National Institute of Nursing Research (NINR), and the Office of Dietary Supplements (ODS) of the National Institutes of Health, will provide resources to validate candidate biomarkers for well-defined human diseases of the liver, kidney, urological tract, and digestive and hematologic systems, as well as endocrine and metabolic disorders, diabetes and its complications, and obesity, for which there are no or very few biomarkers, or for which standard biomarkers are currently prohibitively invasive or expensive. A biomarker is an indicator of a disease process, and could replace hard clinical end points as a measure of the effect of new therapies. Appropriate studies will validate candidate biomarkers in well-defined patient populations, provide new technologies to monitor biomarkers or establish reliable assays for validated markers. Progress in this area has the potential to advance translational research related to efficacy of treatments and bio-behavioral interventions. This FOA is not appropriate for biomarker discovery projects.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-204.html
Key Words**: Biomarkers, Translational Research, Therapies**

Collaborative Research on the Transition From Acute to Chronic Pain: New Models and Measures in Clinical and Preclinical Pain Research (R01)
RFA-DE-11-001
National Institute of Dental and Craniofacial Research (NIDCR)
The overall goal of this FOA is to stimulate preclinical and clinical research that will accelerate our understanding of the biological and behavioral determinants driving the transition from acute pain to chronic pain disorders. An understanding of the mechanisms and risk factors that determine who will transition to a chronic pain state is necessary in order to intervene in this transition and to design new, effective treatments to resolve acute pain before it becomes chronic. The objectives of this FOA are to: 1) assemble research teams with expertise in basic and clinical pain research and related expertise outside the pain field that will provide novel, collaborative, multidisciplinary approaches to answer crucial questions about the transition from acute to chronic pain; 2) discover biological and behavioral mechanisms that drive the transition from an acute pain state to a chronic dysfunctional pain condition; 3) develop new clinical and preclinical models and measures of pain that will be essential to identify and characterize these mechanisms. Studies that involve considerable risk but with the potential for breakthroughs in the field are strongly encouraged.
Amount: varies
LOI: May 21, 2010
Deadline: June 22, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-11-001.html
Key Words**: Pain, Management and Evaluation**

Centers of Excellence for Research on CAM (CERC) for Pain (P01)
RFA-AT-10-002
National Center for Complementary and Alternative Medicine, (NCCAM/NIH)
The purpose of this Funding Opportunity Announcement (FOA) is to support and enhance research on the application and use of promising complementary/alternative/integrative medicine (CAM/IM) modalities or approaches in the setting of chronic pain. Specifically, this FOA encourages applications for Centers comprised of three or four synergistic, R01-comparable projects by multidisciplinary research teams focused on the basic, mechanistic, and/or translational research questions that must be addressed in order to better understand the optimal application and use of CAM/IM interventions for treating or ameliorating chronic pain.
Amount: $6,250,000
LOI: July 13, 3010
Deadline: August 13, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-AT-10-002.html
Key Words**: Pain Management**

Small Grants for Behavioral Research in Cancer Control (R03)
PA-09-003
National Cancer Institute (NCI)
National Institute of Nursing Research (NINR)

This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI) and the National Institute of Nursing Research (NINR), at the National Institutes of Health (NIH), is intended to provide support for either new investigators in cancer-related behavioral research, or investigators who want to refocus their research interests toward behavioral research in cancer control. The program is designed to facilitate the growth of a nationwide cohort of scientists with research experience in behavioral cancer control and design of public health interventions. Preliminary data for the proposed projects are not required. Overarching goals are to: (1) encourage new investigators to enter the field of behavioral research in cancer control and initiate their long-term career development aimed at becoming independent investigators in the field, and (2) support research on transfer of behavioral science knowledge into cancer control practice.
Amount: $100,000
LOI: N/R
Deadline: August 20, 2010; December 20, 2010; April 20, 2011; August 22, 2011; December 20, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-003.html
Key Words**: Cancer, Cancer Prevention, Cancer Control**

Mayday Fund of New York

Mayday Fund of New York
The Mayday Fund is dedicated to alleviating the incidence, degree, and consequence of human physical pain.
Amount: $2,000-$500,000
LOI: N/R
Deadline: Continuous
To learn more**:** http://www.maydayfund.org/
Key Words**: Pain, Pain Alleviation**

Health Care Grant

DFAV
Programs leading to organizational and transformational change in medical education, addressing the hidden curriculum, and designed to integrate caring attitudes throughout the curriculum will be considered. Faculty development initiatives are encouraged, including role modeling and mentoring.
Amount: $100,000-$200,000
LOI: N/R
Deadline: Continuous
To learn more**:** http://www.avdfdn.org/programs-healthcare.htm
Key Words**:**

Connections for Cardiovascular Health Grant Program

AstraZeneca HealthCare Foundation
Applicant organizations should be engaged in work that addresses patient cardiovascular health issues, seeks to address an unmet need related to cardiovascular health in the community, responds to the urgency around addressing cardiovascular disease or conditions contributing to cardiovascular disease, and improves the quality of patients' and caregivers' lives in connection with the services provided and work done.
Amount: $150,000
LOI: N/R
Deadline: July 31, 2010
To learn more**:** http://foundationcenter.org/pnd/rfp/cat_health.jhtml
Key Words**:**

Partnerships in Implementing Patient Safety II (R18)

PAR-10-022
Agency for Healthcare Research and Quality (AHRQ),
Center for Quality Improvement and Patient Safety (CQuIPS)
The purpose of this Funding Opportunity (FOA) is to support Research Demonstration and Dissemination (R18) grant applications from organizations that will implement safe practice interventions that demonstrate evidence of reducing or eliminating medical errors, risks, hazards, and harms associated with the process of health care. These 24 month implementation projects will inform AHRQ, providers, patients, payers, policy makers, and the public about how safe practice interventions can be successfully implemented in diverse health care settings and lead to safer and better health care for all Americans.
Amount: $600,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-022.html

Key Words**: Health Care Quality**

Improving Patient Safety through Simulation Research (R18)

RFA-HS-10-018
Agency for Healthcare Research and Quality (AHRQ)
Center for Outcomes and Evidence (COE)
The Agency for Healthcare Research and Quality (AHRQ) is interested in funding a diverse set of projects that develop, test and evaluate various simulation approaches for the purpose of improving the safe delivery of health care. Simulation in health care predominately is a training technique that exposes individuals and teams to realistic clinical challenges through the use of mannequins, task trainers, virtual reality, or standardized patients, and allows participants to experience in real-time the consequences of their decisions and actions. The principal advantage of simulation is that it provides a safe environment for health care practitioners to acquire valuable experience without putting patients at risk. Simulation also can be used as a test-bed to improve clinical processes and to identify failure modes or other areas of concern in new procedures and technologies that might otherwise be unanticipated and serve as threats to patient safety. Applications that address a variety of clinical settings are sought.
Amount: $1,050,000
LOI: N/R
Deadline: June 21, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-HS-10-018.html
Key Words**: Health Care Training, Simulators**

Researching Implementation and Change while Improving Quality (R18)

PAR-08-136
Agency for Healthcare Research and Quality
The Agency for Healthcare Research and Quality (AHRQ) announces the Agency's interest in supporting grants to rigorously study the implementation of quality improvement strategies and provide generalizable scientific findings about the implementation of the quality improvement strategy, related organizational changes, and their impact. There is increasing evidence that success in achieving quality improvement goals is at least partially attributable to implementation processes and contexts and not just to the nature of the quality improvement strategy. The research funded through this announcement may be conducted by the team designing/implementing the quality improvement strategy or it may be conducted by a separate team. The quality improvement strategy must be one that is expected to result in major improvements in health care delivery that will enhance patient outcomes. Research design and execution will yield results providing AHRQ, providers, patients, payers, policymakers, and the public with contextual details and high level of confidence about what works and what doesn't in improving health care in the United States.
Amount: varies but will not exceed $300,000 annually
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-136.html
Key Words**:**

Aetna 2010 Grant Program

Aetna Foundation
For 2010, the foundation will focus its grant making on issues that improve health and the healthcare system in three areas: obesity (addressing the rising rate of obesity among U.S. adults and children); racial and ethnic healthcare equity (promoting equity in health and health care for common chronic conditions and infant mortality); and integrated health care (advancing high-quality health care by improving care coordination and communications among healthcare professionals, creating informed and involved patients, and promoting cost-effective, affordable care). Grant applications that address more than one of these areas will receive priority consideration.
Within the three program areas, the foundation will award the following types of grants: research grants to generate new knowledge, making use of either quantitative or qualitative techniques; project grants to test, apply, or disseminate new practices designed to improve health and health care; and policy grants to analyze and promote policies to ensure that programs and practices to improve health and health care can be replicated and disseminated broadly. In addition, the foundation will consider applications for sponsorship of fundraising events such as galas and walks, outreach activities (e.g., health fairs), and other community-based health and wellness initiatives aligned with the foundation's funding priorities.
Amount: up to $250,000
LOI: Required for grant requests over $50,000
Deadline: Quarterly
To learn more**:** http://www.aetna.com/about-aetna-insurance/aetna-foundation/aetna-grants/grants-for-2010-and-beyond.html
Key Words**: Obesity, Racial and Ethnic Health Care Equity, Integrated Health Care**

Nutrition

The Role of Microbial Metabolites in Cancer Prevention and Etiology (U01)
New
PAR-10-208
National Cancer Institute (NCI)
National Center for Complementary and Alternative Medicine (NCCAM)
This Funding Opportunity Announcement (FOA) issued by the National Cancer Institute (NCI), and the National Center for Complementary and Alternative Medicine, (NCCAM), at the National Institutes of Health, encourages the submission of grant applications that characterize the effects of microbially generated metabolites of dietary components on host cell biology. Specifically, this FOA seeks to characterize microbially generated metabolites and better understand their molecular mechanisms of action that affect host cell proliferative/apoptotic responses, cytokine production, inflammatory and immunomodulatory effects. This FOA will also encourage the conduct of human intervention studies that identify inter-individual variability among various racial and ethnic groups in the production of bacterial metabolites and determine their efficacy in cancer prevention. This research is necessary to better understand the role of dietary components in cancer etiology, prevention, and cancer health disparities to identify who might benefit from specific dietary recommendations and who might be placed at risk. One of the goals of this program will be to facilitate interdisciplinary collaborations among scientists engaged in nutrition, cancer prevention, cancer cell biology research, and cancer disparities research with those conducting studies with gut microorganisms. All applications must include multiple principle investigators with different areas of expertise such as microbiology, nutrition, cancer biology, analytical chemistry, or genetics. In addition, all investigators will be required to attend annual meetings with NIH personnel. Investigators may use either clinical or preclinical approaches.
Amount: varies
LOI: October 15, 2010; October 15, 2011; October 15, 2012
Deadline: November 15, 2010; November 15, 2011; November 15, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-208.html
Key Words**:**

FY 2010 AFRI Childhood Obesity Prevention
USDA-NIFA-AFRI-003037
U.S. Department of Agriculture (USDA)
National Institute of Food and Agriculture (NIFA)
This RFA focuses on the societal challenge to end child obesity. In the Childhood Obesity Prevention Challenge Area RFA, specific program areas are designed to achieve the long-term outcome of reducing the prevalence of overweight and obesity among children and adolescents. Project types supported by AFRI within this RFA include single-function Research, Education, and Extension Projects, multi-function Integrated Research, Education, and/or Extension Projects, and Food and Agricultural Science Enhancement (FASE) Grants.
Amount: $5,000,000
LOI: N/R
Deadline: June 29, 2010
To learn more**:** http://nifa.usda.gov/funding/rfas/pdfs/10_afri_obesity.pdf
Key Words**: Childhood Obesity**

Healthy Eating Research: Building Evidence to Prevent Childhood Obesity
Robert Wood Johnson Foundation (RWJF)
Healthy Eating Research is a national program of the Robert Wood Johnson Foundation (RWJF). The program supports research on environmental and policy strategies with strong potential to promote healthy eating among children to prevent childhood obesity, especially among lower-income and racial and ethnic populations at highest risk for obesity. Findings are expected to advance RWJF's efforts to reverse the childhood obesity epidemic by 2015.
The three types of funding opportunities included in this call for proposals (CFP) are Round 5 grants, rapid-response grants and New Connections grants through Healthy Eating Research. The broad topics and types of studies are described in the complete CFP.
Amount: $up to $170,000
LOI: N/R
Deadline: March 15-September 1, 2010 for Rapid-Response Grants
To learn more**:** http://www.rwjf.org/applications/solicited/cfp.jsp?ID=20922
Key Words**: Childhood Obesity**

Exfoliated Cells, Bioactive Food Components, and Cancer (R01) [PA-08-030] and (R21) [PA-08-031]
PA-08-030 and PA-08-031
NIH

The National Cancer Institute (NCI) invites applications for new R01 grants focusing on research to critically evaluate the use of exfoliated cells to monitor the physiological effects of dietary bioactive food components thought to be involved with cancer prevention. The objective is to encourage interdisciplinary collaborations between scientists engaged in research using exfoliated cells and those conducting nutrition research related to cancer prevention. This research will help determine the utility of exfoliated cells as a model system to monitor both the absorption and retention of bioactive food components and the concomitant alterations in genomic and epigenetic events that occur in intact cells.
Amount: $275,000 over 2 years
LOI: N/R
Deadline: multiple, see announcement; continuous through January 8, 2011
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-030.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-031.html
Key Words:

Enhancing Tumoricidal Activity of Natural Killer (NK) Cells by Dietary Components for Cancer Prevention (R01) [PA-08-131] and (R21) [PA-08-132]
PA-08-131 and PA-08-132
NIH
This funding opportunity announcement (FOA) is designed to stimulate research efforts aimed at establishing the physiological significance of dietary components in modulating the tumoricidal cell activity of natural killer (NK) cells for cancer prevention. The focus of research projects proposed in response to this FOA should be on defining the minimum quantity and duration of exposure to specific dietary components to modulate tumoricidal cell activity of NK cells for cancer prevention and the underlying mechanism(s) accounting for this response. Proposed projects must include animal and/or human investigations to be considered responsive to this announcement. Highly purified populations of immune cells, specific tumor cells such as RMA-S that lack class I MHC expression, target cell-free system, or single-cell assays may be used to define the molecular basis for the diet-induced changes in tumoricidal activity. However, the in vitro studies are only to be used to support in vivo studies and should not constitute the primary focus of the application. Molecular targets for food components may be examined at the sites of the tumoricidal cell receptors and cancer cell specific ligands, the output of tumoricidal cytokines (e.g., IFN-g), and the release of lytic granules such as a granulysin, perforin, and serine proteases (granzymes).
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-131.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-132.html
Key Words:

Research on the Economics of Diet, Activity and Energy Balance (R21) [PA-08-077] and (R01) [PA-08-078]
PA-08-077 and PA-08-078
NIH
This Funding Opportunity Announcement (FOA) is intended to make funding opportunities in the area of energy balance (i.e., the relationship between diet, physical activity, and body composition) known to researchers with expertise and experience in health economics, health services, and econometric modeling including multi-level analyses who otherwise might not be aware of the opportunity to apply their disciplines to this area of research. Obesity has become a major focus of public health efforts at the national, State, and local levels. The major focus of this FOA is to solicit projects that enhance the state-of-the-science on the causes of obesity and to inform Federal decision making on effective public health interventions for reducing the rate of obesity in the United States. Especially, this FOA aims to promote collaborative activities between researchers trained in economics and researchers specializing in public health, cancer, cardiovascular diseases and other chronic diseases
Amount: $275,000 over an R21 two-year period
LOI: N/R
Deadline: multiple
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-077.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-078.html
Key Words:

The Role of Gastrointestinal Surgical Procedures in Amelioration of Obesity-Related Insulin, Resistance and Diabetes Independent of Weight Loss (R01)
PA-08-014
NIDDKD
This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health encourages Research Project Grant (R01) applications from Institutions/organizations that propose to explain the underlying mechanism(s) by which various gastrointestinal surgical procedures ameliorate obesity-related insulin resistance and diabetes independent of the resultant weight loss.
Amount: unspecified
LOI: N/R

Deadline: Multiple dates, see announcement.
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-014.html
Key Words:

Bioenergetics, Fatigability, and Activity Limitations in Aging (R01) and (R21) and (R03)
PA-09-190
National Institute on Aging (NIA)
National Heart, Lung, and Blood Institute (NHLBI)
National Institute of Nursing Research (NINR)
Office of Research on Women's Health (ORWH)
Office of Dietary Supplements (ODS)
This FOA issued by the National Institute on Aging (NIA), the National Heart, Lung, and Blood Institute (NHLBI), the National Institute of Nursing Research (NINR), the Office of Research on Women's Health (ORWH), and the Office of Dietary Supplements (ODS). encourages Research Project Grant (R01) applications proposing to study bioenergetic factors underlying increased fatigability and activity limitations in aging. Increased fatigability is a significant cause of restricted physical and cognitive activity in older adults. Alterations in bioenergetics—the production and utilization of energy, and the regulation of these processes—may contribute significantly to increased fatigability. This FOA encourages applications that propose to 1) elucidate specific alterations in bioenergetics related to increased fatigability and activity limitations; 2) develop and evaluate improved measures of fatigability related to bioenergetics; 3) evaluate interventions for increased fatigability and activity limitations that target alterations in bioenergetics and lead to improved quality of life.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-190.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-191.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-192.html
Key Words: **Aging, Fatigability, Bioenergetics**

Identification and Characterization of Molecular Targets Within the mTOR Pathway With Potential to Impact Healthspan and Lifespan (R21)
PA-10-164
National Institute on Aging (NIA)
National Cancer Institute (NCI)
This FOA issued by the National Institute on Aging and the National Cancer Institute encourages grant applications focused on: 1) identifying novel targets within the mTOR (mammalian target of rapamycin) signaling network, the manipulation of which has the potential to promote healthy aging, i.e. extend health span in the aged (NIA interest); and 2) identifying and characterizing dietary constituents that modulate the mTOR pathway and promote cancer prevention (NCI interest). Identification and characterization of targets can utilize a wide range of approaches, including medicinal chemistry, in vitro assays, and studies in lower organisms or mammalian models.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-164.html
Key Words: **Rapamycin, mTOR, Signaling Pathways, Dietary Modifiers of mTOR**

Metals in Medicine (R01)
PA-08-251
National Institute of General Medical Sciences
National Cancer Institute
National Institute of Environmental Health Sciences
Office of Dietary Supplements
The objective of this Funding Opportunity Announcement (FOA), issued by the National Institute of General Medical Sciences (NIGMS), National Cancer Institute (NCI), National Institute of Environmental Health Sciences (NIEHS), and the Office of Dietary Supplements (ODS), National Institutes of Health is to encourage research that bridges the areas of inorganic chemistry and medicine. The mechanisms by which organisms control transition metal ions and the roles of these metals in cellular regulation and signaling in health and disease are of principal interest. The interactions of synthetic inorganic complexes with living systems and their components are an additional area of interest. These areas are linked by the need to involve researchers having a deep understanding of inorganic chemistry in medically relevant research. Much of the work is expected to involve collaborations including chemists, biologists, and medical researchers. The results will be relevant to understanding the mechanisms of metal handling by biological systems and the basic cellular roles underlying the nutritional requirement for essential metals. It is expected that this research will also contribute to the

identification of new targets for drug discovery, diagnostics, and future therapeutic approaches involving metal complexes, although drug development, per se, is not a focus of the program.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-251.html
Key Words**: Metals, Nutrition, Inorganic Chemistry**

Planning Grants for Translational Research for the Prevention and Control of Diabetes and Obesity (R34)

PAR-09-177
National Institute of Diabetes and Digestive and Kidney Diseases
Eunice Kennedy Shriver National Institute of Child Health and Human Development
Office of Behavioral and Social Science Research
The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) and the Office of Behavioral and Social Sciences Research (OBSSR) encourage NIH Clinical Trial Planning Grant Program grant (R34) applications from institutions/ organizations to develop and pilot test translational interventions for the prevention and control of diabetes and obesity that have a high potential to be adopted, and sustained in applied health care settings. Research must be based on widely accepted interventions previously demonstrated to be efficacious in clinical trials. Research must target the prevention or reversal of obesity, prevention of type 2 diabetes, improved care of type 1 and type 2 diabetes, or the prevention or delay of the complications of these conditions. The interventions proposed under this FOA should have the potential to be widely disseminated to clinical practice, individuals and communities at risk.
Amount:
LOI: N/R
Deadline: July 1, 2010, November 1, 2010, March 1, 2011, July 1, 2011, November 1, 2011, March 1, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-177.html
Key Words**: Obesity, Diabetes**

Translational Research for the Prevention and Control of Diabetes and Obesity (R18)

PAR-09-176
National Institute of Diabetes and Digestive and Kidney Diseases
Eunice Kennedy Shriver National Institute of Child Health and Human Development
Office of Behavioral and Social Science Research
The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) and the Office of Behavioral and Social Sciences Research (OBSSR) encourage NIH Research Demonstration and Dissemination Project grant (R18) applications from institutions/ organizations to test the effectiveness of interventions for the prevention and control of diabetes and obesity that have a high potential to be adopted, and sustained in applied health care settings. The approaches tested must be based on widely accepted interventions previously demonstrated to be efficacious in clinical trials. Research must target the prevention or reversal of obesity, prevention of type 2 diabetes, improved care of type 1 and type 2 diabetes, or the prevention or delay of the complications of these conditions. The interventions proposed under this FOA should have the potential to be widely disseminated to clinical practice, individuals and communities at risk.
Amount: $2,500,000
LOI: N/R
Deadline: July 1, 2010, November 1, 2010, March 1, 2011, July 1, 2011, November 1, 2011, March 1, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-176.html
Key Words**: Obesity, Diabetes**

Human Brown Adipose Tissue: Methods for Measurement of Mass and Activity (R21)

RFA-DK-10-002
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDKD)
This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases and the National Institutes of Biomedical Imaging and Bioengineering, National Institutes of Health, solicits applications for Exploratory/Development Research Grants (R21) to develop tools and methods capable of measuring the mass of brown adipose tissue (BAT) in human populations (e.g. amounts in different depots, amounts mixed in with WAT and muscle); to develop new tools to modulate and measure the metabolic activity of human BAT, or to develop additional markers of human BAT tissue mass or activity.
Amount: $275,000
LOI: October 13, 2010
Deadline: November 10, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-10-002.html
Key Words**: BAT, Metabolic Activity, Brown Adipose Tissue**

NIDDK Small Grants for Clinical Scientists to Promote Diversity in Health-Related Research (R03)
PAR-09-223
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
Office of Dietary Supplements (ODS)
The purpose of this funding opportunity announcement (FOA) is to provide support for clinical scientists from underrepresented racial/ethnic backgrounds, disadvantaged backgrounds or clinical scientists with disabilities to conduct small research projects in the area of diabetes, endocrinology, metabolism, digestive diseases, hepatology, obesity, nutrition, kidney, urology, or hematology. The NIDDK and the ODS recognize the need to promote diversity in the health-related workforce by increasing the number of highly trained clinical researchers from diverse backgrounds conducting research in areas of importance to the NIDDK. This FOA is aimed at New Investigators (see Section III.1.B. for definition) who hold a health professional doctoral degree or other clinical doctoral degree AND who are from a group that have been shown to be underrepresented in biomedical research (see eligible PD/PI for full definition). The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.
Amount: $375,000
LOI: 30 days prior to application date
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-223.html
Key Words**: Diabetes, Endocrinology, Digestive Diseases, Training Grants**

Home and Family Based Approaches for the Prevention or Management of Overweight or Obesity in Early Childhood (R21) and (R01)
PA-10-128 and PA-10-127
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Heart, Lung and Blood Institute (NHLBI)
Office of Behavioral and Social Sciences Research (OBSSR)
Office of Disease Prevention (ODP)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Heart, Lung and Blood Institute (NHLBI), the Office of Behavioral and Social Sciences Research (OBSSR) and the Office of Disease Prevention (ODP), National Institutes of Health, invites exploratory pilot/feasibility study and small clinical trial (R21) applications from institutions/organizations that propose to test novel home or family based interventions for the prevention or management of overweight in infancy and early childhood. Tested interventions can use behavioral (including dietary and physical activity), environmental, or other relevant approaches. Applications should focus on infants and young children (to age six years) and emphasize the role of home environment and the influence of family/extended family members and parents (including guardians/substantial care-providers) within the childs home environment. The direct goal of this initiative is to fund research that will advance knowledge for innovative approaches to the prevention or management of overweight in children less than 6 years of age, with potential for future research clinical trial applications either in the home or linked to a community setting. Research should consider the role of families in the initiation, support, and reinforcement of fundamental food and beverage consumption, physical activity practices, and sedentary behaviors. In addition it is of interest to elucidate various underlying behavioral determinants that are crucial to initiate or sustain changes in behaviors that impact energy balance. Research designs may include linkages with other settings (e.g., daycare, pre-school, or other community venues) or other care providers (e.g., health care providers or teachers) but must include infants or children less than age six years as the primary study participant along with parents, and/or other family members residing with the child. The overarching goal is to identify interventions that influence parent and child behaviors that contribute to inappropriate weight gain, and thereby improve subsequent health status in childhood, adolescence, and adulthood for which overweight is a known risk factor.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-128.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-127.html
Key Words**: Obesity**

Pilot and Feasibility Clinical Research Studies in Digestive Diseases and Nutrition (R21)
PA-09-151
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Cancer Institute (NCI)
National Institute of Nursing Research (NINR)
Office of Dietary Supplements, National Institutes of Health (ODS)
This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK); the National Cancer Institute (NCI); the National Institute for Nursing Research (NINR), and Office of Dietary Supplements (ODS) of the National Institutes of Health, encourages pilot and feasibility clinical and epidemiological research studies of new therapies or means of health promotion and prevention of digestive and liver diseases and nutritional disorders associated with digestive and liver diseases, including cancer.

Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-151.html
Key Words: **Liver Disease, Nutritional Disorders**

Diet Composition and Energy Balance (R01)
PA-10-152
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Cancer Institute (NCI)
National Center for Complementary and Alternative Medicine (NCCAM)
National Heart, Lung and Blood Institute (NHLBI)
National Institute on Aging (NIA)

The goal of this funding opportunity announcement (FOA) is to invite Research Project Grant (R01) applications investigating the role of diet composition in energy balance, including studies in both animals and humans. Both short and longer-term studies are encouraged, ranging from basic studies investigating the impact of micro-or macronutrient composition on appetite, metabolism, and energy expenditure through clinical studies evaluating the efficacy of diets differing in micro- or macronutrient composition, absorption, dietary variety, or energy density for weight loss or weight maintenance.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-152.html
Key Words: **Nutrient Composition, Energy Balance, Metabolism**

Nutrition Obesity Research Centers (P30)
RFA-DK-10-003
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
This FOA issued by the National Institutes of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, solicits grant applications from institutions/organizations that propose to establish core centers that are part of an integrated program of nutrition and/or obesity-research. The purpose of this Centers program is to bring together, on a cooperative basis, basic science and clinical investigators to enhance the effectiveness of their research related to nutrition and/or obesity.
Amount: $3,750,000
LOI: May 25, 2010
Deadline: June 22, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-10-003.html
Key Words: **Obesity**

Nutrition and Physical Activity Research to Promote Cardiovascular and Pulmonary Health (R01) and (R21)
PA-09-243 and PA-09-244
National Heart, Lung, and Blood Institute (NHLBI)
National Center for Complementary and Alternative Medicine (NCCAM)
National Institute of Nursing Research (NINR)
This FOA encourages Research Project Grant (R01) applications that propose research on the roles of nutrition and physical activity in the development, prevention, and management of cardiovascular diseases (CVD) or pulmonary diseases. In particular, the FOA aims to (1) improve knowledge of the contribution of diet and physical activity to these conditions and how sleep influences these relationships, (2) increase the evidence base for refining public health recommendations and clinical guidelines regarding these lifestyle behaviors, and (3) develop and test strategies to improve the adoption of these recommendations.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-243.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-244.html
Key Words: **Sleep, Physical Activity, Cardiovascular Disease**

In Utero Exposure to Bioactive Food Components and Mammary Cancer Risk (R01) [PA-08-0140]
In Utero Exposure to Bioactive Food Components and Mammary Cancer Risk (R21) [PA-08-0141]
PA-08-140 and PA-08-141
National Cancer Institute

National Institute of Environmental Health Sciences
Office of Dietary Supplements
This Funding Opportunity Announcement (FOA) encourages innovative preclinical research applications that will enhance the understanding of the relationship between exposure(s) to bioactive food components and/or environmental chemicals in utero, hormonal and growth-factor response, gene expression or epigenetic changes, and subsequent mammary cancer risk in preclinical models. This FOA encourages applications that apply new high-throughput genomic, epigenomic, proteomic, and metabolomic technologies to determine how dietary exposures in utero influence adult breast cancer susceptibility. The resulting information will help define effective maternal dietary intervention strategies for breast cancer prevention in offspring.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-140.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-141.html
Key Words**:**

Prioritizing Molecular Targets for Cancer Prevention with Nutritional Combinations (R01)
PA-10-035
National Cancer Institute (NCI)
Office of Dietary Supplements (ODS)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), and the Office of Dietary Supplements (ODS), of the National Institutes of Health (NIH), invites research applications to enhance our understanding about the dynamic interrelationship that exists between bioactive food components (and/or combinations thereof) and cancer prevention. Although much evidence exists that dietary components are linked to cancer prevention, the interactions among dietary bioactive compounds and food combinations remains under-investigated. Applications are encouraged to consider either multiple dietary bioactive components, intact foods or multiple foods utilizing physiologically relevant concentrations of the agents. New genetic technologies may be employed to study the impact of dietary components on complex cellular and molecular networks, as part of the effort to better understand the basis for the multifaceted interactions of food components with cancer prevention mechanisms. Specifically, applications that apply new high-throughput genomic, epigenomic, proteomic, and metabolomic technologies to prioritize molecular targets of dietary components are highly encouraged. The sites of action that may be evaluated include carcinogen metabolism, DNA repair, cell proliferation, apoptosis, differentiation, hormonal regulation, energetics, inflammation, and/or angiogenesis. In addition, applications should either evaluate multiple molecular targets within a cancer process or multiple processes in order to prioritize which process(es) is/are most involved in bringing about a phenotypic change. It is hoped that advances in this area may assist in optimizing cancer prevention while minimizing potential toxicity due to food components. The resulting information will help define which foods or food components should be considered in isolation or in combination when developing dietary strategies to reduce cancer risk and/or modify tumor behavior.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-035.html
Key Words**: Dietary Components, Cancer Prevention**

Diet, Epigenetic Events, and Cancer Prevention (R01) and (R21)
PA-09-234 and PA-09-235
National Cancer Institute (NCI)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Office of Dietary Supplements (ODS)
The aim of this funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), and the Office of Dietary Supplements (ODS), of the National Institutes of Health (NIH), is to promote clinical and preclinical research to determine how diet and dietary factors, including dietary supplements, impact DNA methylation, histone posttranslational modification, noncoding RNA, and other epigenetic processes involved in cancer prevention and development. Another important aim of this FOA is to encourage collaborations between nutrition and epigenetic experts to study bioactive food components with cancer-preventative properties and to examine key epigenetic events in cancer processes (e.g., carcinogen metabolism, cell division, differentiation, and apoptosis) in order to begin to establish linkages between epigenetics, methylation patterns, and tumor incidences/behaviors.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-234.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-235.html
Key Words**: DNA Methylation, Histones, Dietary Supplements, Cancer**

Investigational Nutrigenetic Studies for Cancer Prevention
[(R01) PA-08-220] and [(R21) PA-08-221]

PA-08-220 and PA-08-221
National Cancer Institute (NCI)
National Institute of Nursing Research (NINR)
Office of Dietary Supplements (ODS)
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), the National Institute of Nursing Research (NINR), and the Office of Dietary Supplements (ODS), all of the National Institutes of Health (NIH), solicits applications for research projects that can combine information on individual genetic variations from the Human Genome and International HapMap Projects to stimulate small pilot dietary intervention studies. The overarching goal is to examine whether genetic variants can predict individual response to dietary components that alter cancer processes and modify individual susceptibly to cancer. These studies will allow for personalization of cancer preventive dietary strategies to reduce cancer risk in genetically susceptible individuals. Associational and non-interventional epidemiologic-focused studies will not be supported in conjunction with this FOA.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-220.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-221.html
Key Words**: Dietary Intervention, Cancer Susceptibility, Genetic Predictions**

Improving Diet and Physical Activity Assessment (R01)

PAR-09-224
National Cancer Institute (NCI)
National Heart, Lung, and Blood Institute (NHLBI)
National Institute on Aging (NIA)
National Institute of Child Health and Human Development (NICHD)
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), the National Heart, Lung, and Blood Institute (NHLBI), the National Institute on Aging (NIA), the National Institute of Child Health and Human Development (NICHD), the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Institute of Nursing Research (NINR), and the National Institutes of Health (NIH) Office of the Director (OD) Office of Dietary Supplements (ODS), encourages innovative research to enhance the quality of measurements of dietary intake and physical activity. Applications submitted under this FOA may include development of: novel assessment approaches; better methods to evaluate instruments; assessment tools for culturally diverse populations or various age groups, including older adults; improved technology or applications of existing technology; statistical methods to assess or correct for measurement errors or biases, methods to investigate the multidimensionality of diet and physical activity behavior through pattern analysis; or integrated measurement of diet and physical activity along with the environmental context of such behaviors.
Amount: varies
LOI: January 5, 2011; September 5, 2011; May 5, 2012
Deadline: February 5, 2011; October 5, 2011; June 5, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-224.html
Key Words**: Obesity, Physical Activity**

Obesity Policy Research: Evaluation and Measures (R01), (R21) and (R03)

PA-10-027 and PA-10-028 and PA-10-029
National Cancer Institute (NCI)
National Heart, Lung, and Blood Institute (NHLBI)
National Institute of Child Health and Human Development (NICHD)
Office of Behavioral and Social Sciences Research (OBSSR)
National Center for Chronic Disease Prevention and
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), National Heart, Lung, and Blood Institute (NHLBI), Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD),Office of Behavioral and Social Sciences Research (OBSSR), NIH, and the National Center for Chronic Disease Prevention and Health Promotion, CDC, encourages Exploratory/Developmental Grant (R21) applications that propose to: (1) conduct evaluation research on obesity-related "natural experiments" (defined here as community and other population-level public policy interventions that may affect diet and physical activity behavior), and/or (2) develop and/or validate relevant community-level measures (instruments and methodologies to assess the food and physical activity environments at the community level). The overarching goal of this FOA is to inform public policy and research relevant to (1) diet and physical activity behavior, and (2) weight and health outcomes of Americans. The R21 grant mechanism is intended to encourage exploratory/developmental research by providing support for the early and conceptual stages of project development.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-028.html

Key Words**: Obesity, Public Policy**

Impact of Health Communication Strategies on Dietary Behaviors [(R21) PA-08-240] and [(R01) PA-08-241]
PA-08-240 and PA-08-241
National Cancer Institute (NCI)
National Heart, Lung, and Blood Institute (NHLBI)
National Institute of Child Health and Human Development (NICHD)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Office of Behavioral and Social Sciences Research
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), the National Heart, Lung, and Blood Institute (NHLBI), the National Institute of Child Health and Human Development (NICHD), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), the Office of Behavioral and Social Sciences Research (OBSSR), the NIH-Office of Disease Prevention (ODP), the Office of Dietary Supplements (ODS), the U.S. Food and Drug Administration (FDA), and the Centers for Disease Control and Prevention (CDC), encourages applications for research projects focused on the development and implementation of effective communication strategies related to diet and health. Specifically, this FOA is designed to promote interdisciplinary research, conducted at multiple levels (e.g., individual, community/environment, and policy) and across diverse populations, to evaluate effective communication approaches for changing dietary behaviors.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-240.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-241.html
Key Words**: Nutrition, Communication**

Exploratory Cancer Prevention Studies Involving Molecular Targets for Bioactive Food Components (R21)
PA-10-088
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), National Institutes of Health (NIH), encourages exploratory research on the role of nutrition in cancer prevention. Specifically, this FOA seeks to promote cancer prevention research to identify and characterize molecular targets for bioactive food components. For the purpose of this FOA, a bioactive food component is defined as a dietary constituent that has a health benefit by altering one or more cellular processes when provided in quantities over and beyond that needed for basic nutrition.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-088.html
Key Words**: Molecular Targets, Food, Cancer**

Community-Based Partnerships for Childhood Obesity Prevention and Control: Research to Inform Policy (R03) and (R21)
PA-09-140 and PA-09-141
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Cancer Institute (NCI)
National Heart, Lung, and Blood Institute (NHLBI)
Office of Behavioral and Social Sciences Research (OBSSR)
National Center for Chronic
The purpose of this funding opportunity announcement (FOA) issued by the NICHD is to enhance childhood obesity research by fostering the formation of local, state, or regional teams consisting of researchers, policymakers, and other relevant stakeholders (e.g., community representatives, public health practitioners or officials, educators) in order to identify research questions and hypotheses, design and implement the relevant research, and translate the research into evidence relevant to potential policy efforts in this area. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.
Amount: $100,000-$275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-140.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-141.html
Key Words**: Childhood Obesity, Public Policy**

Oral Cavity/Dentistry

Bioengineering Research Grants (BRG)[R01]
PA-06-419
National Institutes of Health (NIH), multiple institutes
The BRGs support multi-disciplinary research performed in a single laboratory or by a small number of investigators that applies an integrative, systems approach to develop knowledge and/or methods to prevent, detect, diagnose, or treat disease or to understand health and behavior. A BRG application may propose hypothesis-driven, discovery-driven, developmental, or design-directed research.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-06-419.html
Key Words**: Imaging, Bioengineering, Arthritis, Musculoskeletal and Skin Diseases, Dental and Craniofacial, Neurological Disorders, Stroke, CAM**

NIDCR Small Research Grants for Data Analysis and Statistical Methodology (R03)
PAR-09-182
National Institute of Dental and Craniofacial Research (NIDCR),
The goal of this funding opportunity announcement (FOA) is to support meritorious research projects that involve secondary data analyses or statistical methodology using existing dental or craniofacial database resources.
Amount: $200,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-182.html
Key Words**: Dentistry, Database, Statistical Analysis**

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Training for a Dental and Craniofacial Research Workforce (T32)
PAR-10-171
National Institute of Dental and Craniofacial Research (NIDCR)
The National Institute of Dental and Craniofacial Research (NIDCR) will award T32 Institutional Training grants to eligible institutions that are committed to supporting predoctoral and postdoctoral research training as a means to help ensure that a diverse and highly trained workforce is available to address the Nations health related needs in dental, oral, and craniofacial research. This NIDCR program is designed in recognition of the need to develop a cadre of highly qualified independent scientists who can successfully address basic, behavioral, and clinical research questions to improve oral, dental and craniofacial health. Trainees are required to pursue full-time research training. Priority will be given to programs that present plans and evidence that they will train dentist scientists either as predoctoral dual degree dentist scientists, dentists receiving PhD training or dentists training in a postdoctoral research experience.
Amount: $4,000,000
LOI: August 25, 2010, 2011, 2012
Deadline: September 25, 2010, 2011, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-171.html
Key Words**: Oral, Dental and Craniofacial Health**

Institutional Training for a Dental and Craniofacial Research Workforce (T90/R90)
PAR-10-170
National Institute of Dental and Craniofacial Research (NIDCR)
The National Institute of Dental and Craniofacial Research (NIDCR) will award T90/R90 grants to eligible institutions that are committed to supporting predoctoral and postdoctoral research training as a means to help ensure that a diverse and highly trained workforce is available to address the Nations health related needs in dental, oral, and craniofacial research. This NIDCR program is designed in recognition of the need to develop a cadre of highly qualified independent scientists who can successfully address basic, behavioral, and clinical research questions to improve oral, dental and craniofacial health. Trainees are required to pursue full-time research training. Priority will be given to programs that present plans and evidence that they will train dentist scientists either as predoctoral dual degree dentist scientists, dentists receiving PhD training or dentists training in a postdoctoral research experience.
Amount: $4,000,000
LOI: August 25, 2010, 2011, 2012

Deadline: September 25, 2010, 2011, 2012
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-170.html
Key Words: **Oral, Dental and Craniofacial Health**

NIDCR Small Research Grants for Data Analysis and Statistical Methodology applied to Genome-wide Data (R03)
PAR-10-041
National Institute of Dental and Craniofacial Research (NIDCR)
This funding opportunity announcement (FOA) will support meritorious research projects that involve secondary data analyses or development of statistical methodology using existing genome-wide data, relevant to human dental or craniofacial conditions or traits.
Amount: $300,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-041.html
Key Words: **Craniofacial, Dental Conditions**

NIDCR Dentist Scientist Pathway to Independence Award (K99/R00)
PAR-09-256
National Institute of Dental and Craniofacial Research (NIDCR)
The primary purpose of the Pathway to Independence Award (K99/R00) program is to increase and maintain a strong cohort of new and talented NIH-supported independent investigators. The program is designed to facilitate a timely transition from a mentored postdoctoral research position to a stable independent research position with independent NIH or other independent research support at an earlier stage than is currently the norm.
Amount: $1,445,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-256.html
Key Words: **Training Grants**

NIDCR Clinical Trial Implementation Cooperative Agreement (U01)
PAR-08-196
National Institute of Dental and Craniofacial Research (NIDCR)
This FOA issued by the National Institute of Dental and Craniofacial Research (NIDCR), National Institutes of Health, will support investigator-initiated Phase I, II, III, or IV clinical trial cooperative agreement applications only from NIDCR Clinical Trial Planning (R34) grant awardees (see PAR-08-195 for information about NIDCR Clinical Trial Planning Grants) unless an exception is granted. Each clinical trial implementation application will use the PHS 398 grant application with special instructions and will include a final draft of the clinical trial protocol, the Clinical Investigators Brochure or equivalent, and a Manual of Procedures resulting from the R34 grant. These documents must meet all National Institutes of Health (NIH), Food and Drug Administration (FDA), and Office of Human Research Protections (OHRP) requirements. All awards will be made as cooperative agreements.
Amount: varies
LOI: Six weeks before submission
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-196.html
Key Words: **Clinical Trials**

NIDCR Clinical Trial Planning Grant (R34)
PAR-08-195
National Institute of Dental and Craniofacial Research (NIDCR)
This FOA, issued by the National Institute of Dental and Craniofacial Research (NIDCR), National Institutes of Health, will support clinical trial planning (R34) grants for the comprehensive planning, design and documentation of investigator-initiated Phase I, II, III, or IV interventional clinical trials. Interventional behavioral studies, sometimes referred to as Stage I, II, III or IV studies, are included. The R34 planning grant is designed to: (1) permit early peer review of the rationale for the proposed clinical trial; (2) permit early assessment of the design and implementation plans of the proposed trial; and (3) provide support for the development of a comprehensive clinical trial protocol and associated documents including a Manual of Procedures. The complete protocol and associated documents are required components of any subsequent clinical trial implementation (U01) application. The product of the R34 will be either an application for a clinical trial implementation cooperative agreement (U01) or a report summarizing the work completed and the reasons for not proceeding to a clinical trial implementation application. Pre-approval from the NIDCR is required for the submission of the R34 application.
Amount: varies
LOI: N/R

Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-195.html
Key Words**: Clinical Trials**

NIDCR Individual NRSA Predoctoral Dental Scientist Fellowship (F30)
PAR-08-119
National Institute of Dental and Craniofacial Research (NIDCR)
The National Institute of Dental and Craniofacial Research (NIDCR) seeks new Ruth L. Kirschstein National Research Service Award (NRSA) applications for an Individual Predoctoral Dental Scientist Fellowship (PDSF). The purpose of the PDSF is to offer an integrated dental and graduate research training program that leads to attainment of both the DDS/DMD and PhD (or equivalent) degrees.
Amount: $50,000/year
LOI: N/R
Deadline: Standard NRSA receipt dates of April 8, August 8 and December 8
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-119.html
Key Words**: Dentistry, Dental Training, Dental Fellowships**

Patient Oriented Research

NINDS Exploratory Clinical Trials (R01)
New
PAR-10-199
National Institute of Neurological Disorders and Stroke (NINDS)
The purpose of this Funding Opportunity Announcement (FOA) is to provide a vehicle for submitting grant applications for investigator-initiated exploratory clinical trials to the National Institute of Neurological Disorders and Stroke (NINDS). The trials must address research questions related to the mission and goals of the NINDS and may evaluate drugs, biologics, devices, or surgical, behavioral or rehabilitation therapies.
Amount: varies
LOI: N/R
Deadline: July 14, 2010 for the first receipt date; standard R01 dates thereafter.
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-199.html
Key Words**:**

NIDDK Multi-Center Clinical Study Implementation Planning Grants (U34)
New
PAR-10-197
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
Office of Dietary Supplements (ODS)
NIDDK supports investigator-initiated, multi-center (three or more sites) clinical studies exclusively through a two-part process that includes an implementation planning (U34) grant. The U34 planning grant is designed to: (1) permit early peer review of the rationale for the proposed clinical study; (2) permit assessment of the design and protocol of the proposed study; (3) provide support for the development of documents needed for the conduct of the study, including a manual of operations and (4) support the development of other essential elements required for the conduct of a clinical study. Completion of the required products of a U34 grant is a prerequisite for submission of a multi-center clinical study cooperative agreement (U01) application, which will support the actual conduct of the study.
Amount: $500,000
LOI: Pre-approval from NIDDK will be required for submission of an U34 application
Deadline: November 15, 2010, June 28, 2011, March 15, 2012, November 15, 2012, and June 28, 2013
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-197.html
Key Words**:**

Heart Failure Clinical Research Network Coordinating Center (U10)
Regional Clinical Centers (RCCs) (U10)
New
RFA-HL-12-002 and RFA-HL-12-001
National Heart, Lung, and Blood Institute (NHLBI)

The purpose of this solicitation is to request new applications for participation in continuation of the Heart Failure Clinical Research Network as the combined Data Coordinating Center/Clinical Coordinating Center (CC). A separate solicitation (RFA-HL-12-001) seeks applications for the Regional Clinical Centers (RCCs). The original Network was established to provide a mechanism to expedite clinical research that evaluates strategies to diagnose, manage and treat all forms of heart failure (HF). The renewal program will continue to provide support to develop, coordinate, and conduct multiple collaborative randomized clinical trials (RCTs) to improve HF outcomes. The focus is on small to intermediate-sized concurrent RCTs that can be completed within 2-5 years and the program is not designed to fund large, Phase III definitive studies. Proposed studies should provide clinically relevant pathophysiologic information and move the field of HF treatment forward. The Coordinating Center of the Network leads and manages all aspects of these RCTs, including those of a Data Coordinating Center, as well as those of a Clinical Coordinating Center. The two functions (Data Coordination and Clinical Coordination) should be performed at the same institution. A Multiple PI structure to facilitate implementation of all CC functions is highly encouraged. The solicitation is open to new and currently participating centers.
Amount: up to $33,600,000
LOI: November 1, 2010
Deadline: December 1, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-12-002.html
Key Words**:**

NEI Clinical Vision Research (U10)

New

PAR-10-207
National Eye Institute (NEI)
The National Eye Institute (NEI) supports investigator-initiated clinical vision research projects, including clinical trials and large-scale epidemiologic studies in vision research. The intent of this funding opportunity announcement is to provide a framework for applicants proposing clinical vision research projects, including clinical trials and epidemiological studies.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-207.html
Key Words**:**

Long Acting, Sustainable Therapies of Opiate Addiction (R01)

PAS-08-061
NIDA
This Funding Opportunity Announcement (FOA) issued by the National Institute on Drug Abuse, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose the development of sustained pharmacotherapies and behavioral treatments to reduce the risk of contraction and transmission of HIV. Specifically, this FOA supports applications directed at the development of (1) heroin/morphine-protein conjugates (heretofore referred to as heroin/morphine conjugate vaccines or HCVs) for the treatment of opiate addiction, (2) clinical systems for the application of currently available long-acting (30-day or longer sustained-release) dosage forms for opiate pharmacotherapies to optimize these sustained pharmacotherapies to effect the reduction of the risk for acquisition and transmission of HIV, and (3) effective clinical treatment modalities, including behavioral treatment in conjunction with pharmacotherapies, to improve the effectiveness of opiate treatment and reduce the risk behaviors associated with transmission of HIV. Clinical studies should include the assessment of HIV risk behaviors as an outcome measure.
Amount: $400,0000
LOI: N/R
Deadline: multiple, see link
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAS-08-061.html
Key Words**:**

Research On Ethical Issues In Human Subjects Research (R03), (R21), and (R01)

PA-06-367 and PA-06-368 and PA-07-277
National Institutes of Health (NIH), multiple agencies
The National Institutes of Health (NIH) invites research grant applications to investigate ethical issues in human subjects research.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-06-367.html and http://grants.nih.gov/grants/guide/pa-files/PA-06-368.html and http://grants.nih.gov/grants/guide/pa-files/PA-07-277.html

Key Words**: Ethics, Human Subjects**

Silvio O. Conte Centers for Basic and Translational Mental Health Research (P50)

PAR-08-194
National Institutes of Health (NIH)
National Institute of Mental Health (NIMH)
The National Institute of Mental Health (NIMH) invites applications for Conte Centers for Basic and Translational Mental Health Research. The purpose of these Centers is to support interdisciplinary teams of researchers engaging in integrative, novel, and creative experimental approaches to address high-risk, high-impact questions that will significantly advance the state of the science in brain and behavioral research relevant to mental health. Conte Centers comprise a collaborative, cutting-edge, interdisciplinary research program conducted at multiple levels of analysis spanning from genes to behavior to disease in humans, animals, and model systems, from infancy to adulthood as appropriate, based on a well-defined and unified scientific question (hypothesis) or problem. Areas of interest span the full range of basic neuroscience, basic behavioral science, genetics research, and proof-of-concept clinical trials, as well as the translational integration of neuroscience and behavioral science with study of the etiology, pathogenesis, and/or the developmental progression of mental disorders across the lifespan. Proposed Centers should be directed towards a well-defined and unified scientific question or problem and in some instances may include discovery-based as well as technology development components.
Amount: $10,750,000
LOI: August 25, 2010
Deadline: September 23, 2010
To learn more**:** http://grants1.nih.gov/grants/guide/pa-files/PAR-08-194.html
Key Words**: Mental Health, Neuropsychiatry, Psychiatry**

SHIFT Award: Small Businesses Helping Investigators to Fuel the Translation of Scientific Discoveries [SBIR: R43/R44]

PA-10-122
National Institutes of Health (NIH)
multiple institutes
The primary objectives of the SHIFT SBIR initiative are: (1) to foster research that is translational in nature and (2) to transform academic scientific discoveries into commercial products and services. Academic researchers can be a driving force for new products and services in a small business concern (SBC). A major feature of the SHIFT program includes the requirement for an investigator who is primarily employed by a United States research institution at the time of application to transition to a small business concern (SBC) and be primarily employed (more than 50% time) by the SBC by or at the time of award. A SHIFT SBIR grant enables an SBC to increase both its scientific research staff and its core competencies. The Project Director/Principal Investigator (PD/PI) may also facilitate SBC licensing of intellectual property (IP) from the PD/PI's prior academic institutions, promote collaboration opportunities with academic investigators, and enable better access to academic resources.
Amount: up to $2,250,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-122.html
Key Words**: Translational Research**

Research on Malignancies in the Context of HIV/AIDS (R21)

PA-07-454
National Institutes of Health (NIH)
The National Cancer Institute (NCI) and National Institute of Dental and Craniofacial Research (NIDCR) are accepting proposals for research that will advance our understanding of the risks, development, progression, diagnosis, and treatment of malignancies observed in individuals with an underlying HIV infection or AIDS. Through this funding opportunity announcement (FOA), the NCI and NIDCR seek to encourage research in areas such as the study of the etiologic factors, cofactors, pathogenesis, and consequences of HIV-associated malignancies in diverse populations. Research on non-AIDS defining malignancies in the context of HIV infection is also encouraged. The incidence of non-AIDS-defining malignancies (e.g., anal, skin, and lung cancers as well as Hodgkin's disease) appear to be increasing in the era of Highly Active Antiretroviral Treatment. This FOA extends to research efforts that will provide information on the clinical outcomes of such cancers in the HIV-infected population and identify specific contributions resulting from HIV infection for the development and pathogenesis of these cancers. Ultimately, such efforts could inform screening approaches and therapies targeted to the HIV-infected population.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants1.nih.gov/grants/guide/pa-files/PA-07-454.html
Key Words**: AIDS**
Cancer Biology, Cancer or Carcinogenesis, Molecular Epidemiology

Behavioral and Integrative Treatment Development Program (R01) and (R03) and (R34)
PA-10-012 and PA-10-011 and PA-10-013
National Institute on Drug Abuse (NIDA)
National Institute on Alcoholism and Alcohol Abuse (NIAAA)
National Institute of Nursing Research (NINR)
The purpose of this FOA for R01 applications is to encourage Stage II or Stage III research to conduct clinical trials, examine mechanisms of behavior change, determine dose-response, optimize combinations, and/or ascertain best sequencing of behavioral, combined, sequential, or integrated behavioral and pharmacological (1) drug abuse treatment interventions, including interventions for patients with comorbidities, in diverse settings; (2) interventions to prevent the acquisition or transmission of HIV infection among individuals in drug abuse treatment; (3) interventions to promote adherence to drug abuse treatment, HIV and addiction medications; and (4) interventions to treat chronic pain.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-012.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-011.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-013.html
Key Words**: Clinical Trials, Drug Abuse Treatment, HIV and Addictions**

Drug Abuse Aspects of HIV/AIDS (R01) and (R21) and (R03)
PA-10-129 and PA-10-130 and PA-10-131
National Institute on Drug Abuse (NIDA)
This FOA issued by the National Institute on Drug Abuse (NIDA), National Institutes of Health (NIH), encourages Research Project Grant (R01) applications to examine the drug abuse aspects of HIV/AIDS, including research on drug-related risk behaviors, addiction and HIV disease, and drug use/HIV-related comorbidities and consequences. Proposals are needed to identify and predict changes in the epidemiology of HIV/AIDS among injection and non-injection drug users and among their sexual partners, to develop and test primary and secondary drug abuse and HIV prevention and treatment interventions, to improve HIV testing, counseling, and treatment services for those living with HIV/AIDS, and to address basic mechanisms involved in HIV infection and AIDS pathogenesis in the context of drug abuse and addiction.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-129.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-129.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-129.html
Key Words**: HIV/AIDS, Drug Abuse**

NIDA Research Education Program for Clinical Researchers and Clinicians (R25)
PAR-10-173
National Institute on Drug Abuse (NIDA)
The NIDA Research Education Program will support research education and training for those in clinically focused careers. Participants (those receiving the research education and training) should be training for careers as clinical researchers, clinicians/service providers, or optimally, a combination of the two. This mechanism may not be used for support of non-research related clinical training. In addition, applicant organizations may only propose research education experiences at the following levels of professional career development: medical/graduate student, postdoctoral fellow, medical resident, and/or independent scientist. Research education and training activities may be in any topic area related to substance use/abuse/addiction; however, the following are examples of particular relevance to this FOA: etiology; clinical assessment and diagnostics; treatment; prevention; health services; clinical neuroscience; medical consequences of drug abuse; and pre-clinical research as it pertains to translational research. Interdisciplinary research education is encouraged and may include co-morbid conditions and consequences of drug use such as HIV/AIDS. Education partnerships and collaborations are also encouraged.
Amount: $1,750,000
LOI: 30 days prior to the application submission date
Deadline: May 25, 2011, and May 25, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-173.html
Key Words**:**

Collaborative Clinical Trials in Drug Abuse (Collaborative R01)
PAR-10-099
National Institute on Drug Abuse (NIDA)

The National Institute on Drug Abuse (NIDA) seeks to increase the clinical collaboration of investigators between multiple clinical research groups, while simultaneously facilitating the study of outcome measures and/or patient populations that require larger numbers of subjects than any single site can reasonable enroll.
Amount: $2,500,000
LOI: 30 days before planned application submission date
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-099.html
Key Words**: Substance-Related disorders, Pharmacological Treatment, Behavioral Therapy, Neuroimaging, Infectious Disease Transmission**

Drug Abuse Epidemiology and Services Research in Cooperation with the Clinical and Translational Science Awards Consortium (R01)

PAS-09-001
National Institute on Drug Abuse (NIDA)
Through this program announcement with set aside (PAS), the National Institute on Drug Abuse (NIDA) invites applicants to develop innovative drug abuse epidemiology or health services research in cooperation with academic centers supported through the NIH Clinical and Translational Science Awards (CTSA) consortium. A major NIH initiative, the CTSA consortium is transforming how clinical and translational research is conducted, building an infrastructure for multidisciplinary researchers and clinicians to perform research and develop new treatments more efficiently. As a part of this infrastructure, CTSA sites have established partnerships with a range of clinical settings and have access to large, multi-generational population cohorts. These features of the CTSA sites offer a unique opportunity for researchers to integrate drug abuse epidemiology and health services research in these settings. Applicants are asked to propose innovative drug abuse research which builds upon the resources available at CTSA sites, resources which would include CTSA efforts to strengthen networks of clinical sites and to establish innovative information technologies, phenotyping systems, and biobanks. A broad range of drug abuse epidemiology and health services research areas will be supported under the auspices of this FOA.
Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAS-09-001.html
Key Words**: CTSA, Epidemiology, Drug Abuse Treatment**

Mechanisms of Alcohol-Induced Tissue Injury (R01)

PA-08-164
National Institute on Alcohol Abuse and Alcoholism
National Heart, Lung, and Blood Institute
The National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Heart Lung and Blood Institute (NHLBI), National Institutes of Health (NIH), solicit the submission of investigator-initiated research grant applications to support research investigating the Mechanisms of Alcohol Induced Tissue Injury in diverse groups and across the life span.
Amount: $250,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-164.html
Key Words**: Alcohol, Tissue Damage, Alcohol Disease**

International Research Collaborations on Drug Addiction (R21)

PA-08-007
National Institute on Alcohol Abuse and Alcoholism
This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Exploratory/Developmental Research Project Grant (R21) applications from institutions/ organizations that propose to integrate basic behavioral research and intervention research for the prevention of alcohol-related HIV/AIDS risk.
Amount: varies
LOI: N/R
Deadline: Multiple dates, see announcement
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-007.html
Key Words**:**

Alcohol Use Disorders: Treatment, Services Research, and Recovery (R21)

PA-08-008

National Institute on Alcohol Abuse and Alcoholism
This Funding Opportunity Announcement (FOA), issued by the National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Institutes of Health (NIH), encourages Exploratory/Developmental (R21) grant applications from institutions/organizations that utilize innovative approaches to research on: behavioral and pharmacological treatment for alcohol use disorders; organizational, financial, and management factors that facilitate or inhibit the delivery of services for alcohol use disorders; and/or on the phenomenon of recovery from alcohol use disorders.(NIH), encourages Exploratory/Developmental (R21) grant applications from institutions/organizations that utilize innovative approaches to research on: behavioral and pharmacological treatment for alcohol use disorders; organizational, financial, and management factors that facilitate or inhibit the delivery of services for alcohol use disorders; and/or on the phenomenon of recovery from alcohol use disorders.
Amount: $275,000
LOI: N/R
Deadline: Multiple dates, see announcement
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-008.html
Key Words**:**

Integrative Preventions Research for Alcohol Users At-Risk for HIV/AIDS (R01)
PA-08-006
National Institute on Alcohol Abuse and Alcoholism
This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/ organizations that propose to integrate basic behavioral research and intervention research for the prevention of alcohol-related HIV/AIDS risk.
Amount: varies
LOI: N/R
Deadline: multiple dates, see announcement
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-006.html
Key Words**:**

Clinical Trial Planning Grants for Critical Illness and Injury in Aging (R34)
PA-10-045
National Institute on Aging (NIA)
This FOA issued by the National Institute on Aging encourages Clinical Trial Planning Grant (R34) applications to develop research protocols for Phase III and IV clinical trials related to critical illness and injury in aging. The planning grant mechanism is intended to permit early peer review of the rationale and design of the proposed Phase III or IV clinical trial, and to support development of a research team, tools for data management and research oversight, recruitment strategies, detailed protocol and Manual of Procedures (MOP), and other essential components necessary for a competitive clinical trial application. This FOA is NOT designed for collecting preliminary data or conducting pilot studies in support of the scientific rationale for a clinical trial.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-045.html
Key Words**: Injury, Aging**

Mechanisms, Models, Measurement, & Management in Pain Research (R01), (R03) and (R21)
PA-10-006 and PA-10-008 and PA-10-007
National Institute of Nursing Research (NINR)
National Cancer Institute (NCI)
National Center for Complementary and Alternative Medicine (NCCAM)
National Institute on Aging (NIA)
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS
The purpose of this Funding Opportunity Announcement (FOA), "Mechanisms, Models, Measurement, & Management in Pain Research" issued by the National Institute of Nursing Research (NINR), in conjunction with members of the NIH Pain Consortium as listed above, is to inform the scientific community of the pain research interests of the various Institutes and Centers (ICs) at the National Institutes of Health (NIH) and to stimulate and foster a wide range of basic, clinical, and translational studies on pain as they relate to the missions of these ICs. New advances are needed in every area of pain research, from the micro perspective of molecular sciences to the macro perspective of behavioral and social sciences. Although great strides have been made in some areas, such as the identification of neural pathways of pain, the experience of pain and the challenge of treatment have remained uniquely individual and unsolved. Furthermore, our understanding of how and why individuals transition to a chronic pain state after an acute insult is limited. Research to address these issues conducted by interdisciplinary and multidisciplinary research teams is strongly encouraged, as is research from underrepresented, minority, disabled, or women investigators.
Amount: varies

LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-006.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-007.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-008.html
Key Words: **Nursing. Pain Management, Clinical and Translational**

Research on Clinical Decision Making in People with or at Risk for Life-Threatening Illness (R01) and (R21)

PA-09-122 and PA-09-121
National Institute of Nursing Research (NINR)
National Cancer Institute (NCI)
This funding opportunity announcement (FOA) issued by the National Institute of Nursing Research (NINR) and the National Cancer Institute (NCI), National Institutes of Health, seeks to stimulate research on the decision-making processes made by persons at risk for and those faced with life-threatening illness. These illnesses are ones that almost always lead to death in a fairly short period of time if left untreated, but may be chronic or even cured if dealt with early in the disease process. An example of a life-threatening illness that may be chronic for some years would be HIV infection when treated. An example of a life-threatening illness that may be cured in its early stages would be breast cancer. Decision-making can occur from the point of adopting preventive behaviors through the end of life. Examples of such decisions could include participating in an HIV vaccine clinical trial, testing for genetic disorder, choosing a treatment intervention vs. watchful waiting (as in early stage prostate cancer), choosing a treatment intervention among several options, joining a therapeutic clinical trial, or making end-of-life care decisions.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-122.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-121.html
Key Words: **Nursing Research, Cancer Control, Life-Threatening Decision Making Caregivers, Palliative Care**

NINDS Cooperative Program in Translational Research - Multi-Component Research Projects (U54)

PAR-08-234
National Institute of Neurological Disorders and Stroke (NINDS)
The goal of this Funding Opportunity Announcement (FOA) is to support preclinical development and testing of new therapies for neurological disorders. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program does not support early-stage therapeutic discovery activities such as high-throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NINDS staff in the development of the project plan and monitoring of research progress.
Amount: varies
LOI: N/R
Deadline: Standard dates apply (January 25, May 25, and September 25. AIDS application submission dates are May 7, September 7, and January 7)
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-234.html
Key Words: **Neurological Disorders, Neurology, Neuroscience, Clinical translational**

NINDS Cooperative Program in Translational Research – Single-Component Research Projects (U01)

PAR-08-233
National Institute of Neurological Disorders and Stroke (NINDS)
The goal of this funding opportunity announcement (FOA) is to support pre-clinical development and testing of new therapies for neurological disorders. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program supports pre-clinical optimization and testing of these leads and projects must be sufficiently advanced that an IND or IDE application to the FDA can be submitted by the end of the project period. The program does not support early-stage therapeutic discovery activities such as high throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NINDS staff in the development of the project plan and monitoring of research progress
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-233.html
Key Words: **Clinical translational, neurology, neurological disorders**

Drug Discovery for Nervous System Disorders (R01) and (R21)
PAR-10-001 and PAR-10-002
National Institute of Mental Health (NIMH)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute on Drug Abuse (NIAD)
National Institute of Neurological Disorders and Stroke (NINDS)
This funding opportunity announcement (FOA) encourages research grant applications from applicant organizations directed toward the discovery and preclinical testing of novel compounds for the prevention and treatment of nervous system disorders.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-001.html and http://grants.nih.gov/grants/guide/pa-files/PAR-10-002.html
Key Words**: Neurological Disorders, Therapy, Treatment, Diagnostics**

Collaborative R34s for Pilot Studies of Innovative Treatments in Mental Disorders (Collaborative R34)
PA-09-075
National Institute of Mental Health (NIMH)
National Center for Complementary and Alternative Medicine
This Funding Opportunity Announcement (FOA), issued by the National Institute of Mental Health (NIMH) and the National Center for Complementary and Alternative Medicine (NCCAM), seeks to support collaborative preliminary intervention studies to evaluate the feasibility, tolerability, acceptability and safety of novel mechanism drug candidates, promising investigational new drugs (INDs), or novel psychosocial strategies for the treatment of mental disorders and for obtaining the preliminary data needed as a pre-requisite to larger-scale (efficacy or effectiveness) intervention or services studies. This FOA should be used when at least two but no more than three sites are needed to complete the study. The collaborating studies should be organized in order to increase sample size, accelerate recruitment, and/or increase sample diversity and representation. For a linked set of collaborative R34s, each site shall have its own Project Director/Principal Investigator and provide for a mechanism for cross-site coordination, quality control, database management, statistical analysis, and reporting.
Amount: $450,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-075.html
Key Words**: Mental Disorders, Drug Therapy**

Pilot Intervention and Services Research Grants (R34)
PAR-09-173
National Institute of Mental Health (NIMH)
The purpose of this Funding Opportunity Announcement (FOA) is to encourage research on 1) the development and/or pilot testing of new or adapted interventions, 2) the adaptation and/or pilot testing of interventions with demonstrated efficacy for use in broader scale effectiveness trials, or 3) innovative services research directions that require preliminary testing or development. The R34 award mechanism provides resources for evaluating the feasibility, tolerability, acceptability and safety of novel approaches to improving mental health and modifying health risk behavior, and for obtaining the preliminary data needed as a pre-requisite to a larger-scale (efficacy or effectiveness) intervention or services study. NIMH intervention and services research is aimed at preventing or ameliorating mental disorders, emotional or behavioral problems, the co-occurrence of mental, physical and substance abuse problems, HIV infections, and the functional consequences of these problems across the life span.
Amount: $450,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-173.html
Key Words**: Health Risk Behavior, Mental Health Treatment**

Pilot and Feasibility Clinical Research Grants in Diabetes, Endocrine and Metabolic Diseases (R21)
PA-09-133
National Institute of Diabetes and Digestive and Kidney Diseases
Office of Dietary Supplements
This FOA, issued by National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the Office of Dietary Supplements (ODS) of the National Institutes of Health, encourages exploratory/developmental clinical research related to the prevention or treatment of diabetes, obesity and endocrine and genetic metabolic diseases. The Pilot and Feasibility Clinical Research Grants

Program is designed to allow initiation of exploratory, short-term clinical studies, so that new ideas may be investigated without stringent requirements for preliminary data. The short-term studies should focus on research questions that are likely to have high clinical impact. They can include testing a new prevention strategy, a new intervention, or unique combinations of therapies. A high priority is the use of such studies to help stimulate the translation of promising research developments from the laboratory into clinical practice in diabetes, endocrine diseases and genetic metabolic diseases, including cystic fibrosis.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-133.html
Key Words**: Diabetes, Cystic Fibrosis, Metabolic Disease**

Development and Validation of Disease Biomarkers (R01)

PA-09-204
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) (http://www2.niddk.nih.gov)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Nursing Research (NINR)
Office of Dietary Supplements (ODS)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), the National Institute of Nursing Research (NINR), and the Office of Dietary Supplements (ODS) of the National Institutes of Health, will provide resources to validate candidate biomarkers for well-defined human diseases of the liver, kidney, urological tract, and digestive and hematologic systems, as well as endocrine and metabolic disorders, diabetes and its complications, and obesity, for which there are no or very few biomarkers, or for which standard biomarkers are currently prohibitively invasive or expensive. A biomarker is an indicator of a disease process, and could replace hard clinical end points as a measure of the effect of new therapies. Appropriate studies will validate candidate biomarkers in well-defined patient populations, provide new technologies to monitor biomarkers or establish reliable assays for validated markers. Progress in this area has the potential to advance translational research related to efficacy of treatments and bio-behavioral interventions. This FOA is not appropriate for biomarker discovery projects.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-204.html
Key Words**: Biomarkers, Translational Research, Therapies**

Pilot and Feasibility Clinical Research Grants in Kidney or Urologic Diseases (R21)

PAR-09-077
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, encourages Exploratory/Development Research Grants (R21) that propose small scale or pilot and feasibility clinical and translational research studies, including epidemiological studies or clinical trials related to kidney or urologic disease research that address important clinical and translational questions and are potentially of high clinical and public health impact. It is anticipated that some projects supported by these grants may lead to full-scale clinical studies including diagnostic strategies, epidemiological studies, or randomized clinical trials of diagnosis, prevention, or treatment of kidney or urologic diseases.
Amount: $500,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-077.html
Key Words**: Kidney Disease, Urinary Disease**

Collaborative Research on the Transition From Acute to Chronic Pain: New Models and Measures in Clinical and Preclinical Pain Research (R01)

RFA-DE-11-001
National Institute of Dental and Craniofacial Research (NIDCR)
The overall goal of this FOA is to stimulate preclinical and clinical research that will accelerate our understanding of the biological and behavioral determinants driving the transition from acute pain to chronic pain disorders. An understanding of the mechanisms and risk factors that determine who will transition to a chronic pain state is necessary in order to intervene in this transition and to design new, effective treatments to resolve acute pain before it becomes chronic. The objectives of this FOA are to: 1) assemble research teams with expertise in basic and clinical pain research and related expertise outside the pain field that will provide novel, collaborative, multidisciplinary approaches to answer crucial questions about the transition from acute to chronic pain; 2) discover biological and behavioral mechanisms that drive the transition from an acute pain state to a chronic dysfunctional pain condition; 3) develop new

clinical and preclinical models and measures of pain that will be essential to identify and characterize these mechanisms. Studies that involve considerable risk but with the potential for breakthroughs in the field are strongly encouraged.
Amount: varies
LOI: May 21, 2010
Deadline: June 22, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-11-001.html
Key Words**: Pain, Management and Evaluation**

NIDCR Clinical Trial Implementation Cooperative Agreement (U01)

PAR-08-196
National Institute of Dental and Craniofacial Research (NIDCR)
This FOA issued by the National Institute of Dental and Craniofacial Research (NIDCR), National Institutes of Health, will support investigator-initiated Phase I, II, III, or IV clinical trial cooperative agreement applications only from NIDCR Clinical Trial Planning (R34) grant awardees (see PAR-08-195 for information about NIDCR Clinical Trial Planning Grants) unless an exception is granted. Each clinical trial implementation application will use the PHS 398 grant application with special instructions and will include a final draft of the clinical trial protocol, the Clinical Investigators Brochure or equivalent, and a Manual of Procedures resulting from the R34 grant. These documents must meet all National Institutes of Health (NIH), Food and Drug Administration (FDA), and Office of Human Research Protections (OHRP) requirements. All awards will be made as cooperative agreements.
Amount: varies
LOI: Six weeks before submission
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-196.html
Key Words**: Clinical Trials**

NIDCR Clinical Trial Planning Grant (R34)

PAR-08-195
National Institute of Dental and Craniofacial Research (NIDCR)
This FOA, issued by the National Institute of Dental and Craniofacial Research (NIDCR), National Institutes of Health, will support clinical trial planning (R34) grants for the comprehensive planning, design and documentation of investigator-initiated Phase I, II, III, or IV interventional clinical trials. Interventional behavioral studies, sometimes referred to as Stage I, II, III or IV studies, are included. The R34 planning grant is designed to: (1) permit early peer review of the rationale for the proposed clinical trial; (2) permit early assessment of the design and implementation plans of the proposed trial; and (3) provide support for the development of a comprehensive clinical trial protocol and associated documents including a Manual of Procedures. The complete protocol and associated documents are required components of any subsequent clinical trial implementation (U01) application. The product of the R34 will be either an application for a clinical trial implementation cooperative agreement (U01) or a report summarizing the work completed and the reasons for not proceeding to a clinical trial implementation application. Pre-approval from the NIDCR is required for the submission of the R34 application.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-195.html
Key Words**: Clinical Trials**

Innovation in Molecular Imaging Probes (R01)

PAR-09-016
National Institute of Biomedical Imaging and Engineering
National Institute on Aging
National Institute of Arthritis and Musculoskeletal and Skin Diseases
Eunice Kennedy Shriver National Institute of Child Health and Human Development
National Institute
This FOA is issued by the National Institute of Biomedical Imaging and Bioengineering, National Institutes of Health. This FOA is a follow up of a previous Roadmap RFA (RM-04-021 “Innovation in Molecular Imaging Probes”). The purpose of this initiative is to encourage the development of novel molecular imaging approaches that can detect and image specific molecular activities in vivo, and have the potential for clinical applications. Novel molecular imaging approaches developed through this initiative can focus on one (or both) of the following long-term translational goals: (1) imaging the characteristic markers, and function, of normal cells in control human subjects and patients, and (2) imaging the characteristic markers, and biochemical or physiological abnormalities, of disease cells in patients. Potential abnormalities that could provide early markers for disease include (but are not restricted to): inflammation, fibrosis, immune cell activation, altered signal transduction pathways, altered gene expression pathways, and altered post-translational modification of proteins. This initiative solicits applications that explore innovative “high-impact” approaches, rather than incremental technology development that is already supported by current NIH programs.

Amount: varies
LOI: December 21, 2010; August 21, 2010; April 20, 2011; August 21, 2011
Deadline: September 21, 2010; January 21, 2011; May 20, 2011; September 21, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-016.html
Key Words**: Molecular Imaging Probes**

Methods for Prevention Packages Program (MP3 II) (R01)

RFA-AI-10-005
National Institute of Allergy and Infectious Diseases Health (NIAID)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Mental Health (NIMH)
The National Institute of Allergy and Infectious Diseases, the National Institute of Alcohol Abuse and Alcoholism and the National Institute of Mental Health invite applications for multidisciplinary research programs that; (1) devise optimal HIV prevention packages (combination interventions) for specific populations, (2) perform pilot studies to demonstrate that the proposed prevention package is acceptable to the target population and the study design is appropriate and feasible, and (3) design clinical protocols to rigorously examine the safety and efficacy of these packages in the target population.
Amount: $2,400,000
LOI: June 15, 2010
Deadline: July 15, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-10-005.html
Key Words**: HIV Prevention**

Integrated Preclinical/Clinical AIDS Vaccine Development Program (IPCAVD) (U19)

PAR-10-161
National Institute of Allergy and Infectious Diseases (NIAID)
The goal of this Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID) is to facilitate the translation of innovative and promising basic science-derived vaccine concepts for prophylactic HIV vaccines to initial clinical trials by providing the critical resources necessary for achieving this goal. The Integrated Preclinical/Clinical AIDS Vaccine Development Program (IPCAVD) is a mechanism that enables investigators to conduct clinical research studies aimed at addressing specific scientific questions and vaccine concepts most appropriately tested in humans. To fulfill this goal, an IPCAVD award is intended to provide assistance to meritorious competitive projects in 3 areas: (1) support for basic hypothesis-driven science to advance development of the vaccine concept by facilitating non-human primate (NHP) proof-of-concept studies and down-selection to the best lead candidate; (2) access to resources for determining whether the vaccine concept is clinically feasible by determining whether a candidate vaccine successfully addresses FDA requirements for performing clinical testing, by determining the feasibility of manufacturing cGMP lots of the vaccine and by determining vaccine safety by conducting the required toxicology and pharmacology safety studies; and (3) support for the initial human clinical study central to addressing the proposed scientific question.
Amount: $12,500,000
LOI: October 8, 2010; October 7, 2011; October 9, 2012
Deadline: March, 2011, 2012, 2013
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-161.html
Key Words**: Vaccine Trials, HIV/AIDS**

NIAID Clinical Trial Planning Grant (R34), (U01) and (R01)

PAR-10-185 and PAR-10-186 and PAR-10-184
National Institute of Allergy and Infectious Diseases (NIAID)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID) invites applications that propose the complete planning, design, and preparation of documentation necessary for implementation of investigator-initiated clinical trials. The trials must be hypothesis-driven, milestone-defined, related to the research mission of the NIAID and considered high priority by the Institute. Investigators are encouraged to visit the NIAID website for additional information about the research mission and high-priority research areas of the NIAID http://www3.niaid.nih.gov/about/whoWeAre/planningPriorities/.)
Amount: varies with award mechanism
LOI: N/R
Deadline: July 22, 2010, September 13, 2010, January 13, 2011, May 13, 2011, September 13, 2011, January 13, 2012, May 14, 2012, September 13, 2012, January 14, 2013
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-185.html and http://grants.nih.gov/grants/guide/pa-files/PAR-10-186.html and http://grants.nih.gov/grants/guide/pa-files/PAR-10-184.html
Key Words**: Asthma and Allergies, Autoimmune Diseases, Insulin Dependent Diabetes, Systemic Lupus Erythematosus, Rheumatoid Arthritis, Multiple Sclerosis, Graft Rejection, AIDS, Tuberculosis, TB, Malaria, Influenza, Hepatitis, Emerging Infections, Bioterrorism, Transplantation and Immune Tolerance**

New NIAID Policy: Investigator-Initiated Clinical Trials

NOT-AI-10-024
National Institute of Allergy and Infectious Diseases (NIAID)
NIAID will support implementation of investigator-initiated clinical trials through milestone driven research project grants (R01) and cooperative agreements (U01). Determination of the appropriate instrument is based on the assessment of risk as delineated in the NIAID-specific criteria stated below. Clinical trial planning grants (R34) are no longer always required, but are available as an option to investigators proposing all investigator-initiated clinical trials. If it can be demonstrated that sufficient planning has occurred such that the trial is ready to move forward to implementation, as defined by NIAID-specific criteria, direct submission of the implementation R01 or U01 is permitted.
Pre-approval from NIAID is required for submission of an application for the R34 planning grant, the U01 implementation cooperative agreement or the R01 implementation grant; this requirement applies to both new and resubmission applications. NIAID staff will consider whether the proposed clinical trial meets the goals and mission of the Institute and whether it is appropriate to conduct it as an investigator-initiated clinical trial, but will not evaluate the technical and scientific merit of the proposed trial. Technical and scientific merit will be determined during peer review. Applicants whose projects do not meet NIAID's programmatic needs or are not appropriate as investigator-initiated clinical trials, will not be granted permission to submit an application.
see notice for further details...
Amount:
LOI:
Deadline:
To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-AI-10-024.html
Key Words**:**

Ancillary Studies in Clinical Trials (R01)

RFA-HL-10-024
National Heart, Lung, and Blood Institute (NHLBI)
The purpose of this Funding Opportunity Announcement (FOA) is to solicit research grant applications to conduct time-sensitive ancillary studies related to heart, lung, and blood diseases and sleep disorders in conjunction with ongoing clinical trials and other large clinical studies supported by NIH or non-NIH entities. The program establishes an accelerated review/award process to support the crucial time frame in which these ancillary studies must be performed. Time-sensitive ancillary studies include those that require active longitudinal data collection and thus need to begin recruiting subjects as close as possible to the start of the parent study. The ancillary study can address any research questions related to the mission of NHLBI for which the parent study can provide participants, infrastructure, and data. The parent studies most often will be a clinical trial, but also can be an observational study or registry that can provide a sufficient cohort of well-characterized patients. Each ancillary study application must demonstrate the time-sensitive nature of the proposal and must explicitly address why an expedited review is essential to its feasibility.
Amount: $1,000,000
LOI: August 30, 2010, December 28, 2010
Deadline: September 30, 2010, January 28, 2011
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-10-024.html
Key Words**: Clinical Trials**

Translational Programs in Lung Diseases (P01)

PAR-09-185
National Heart, Lung, and Blood Institute
This FOA issued by the NHLBI, National Institutes of Health, solicits Program Project Grant (P01) applications from institutions/organizations that will perform collaborative, translational research that moves mechanistic research to clinical applications to improve prevention, diagnosis and/or treatment of lung diseases and sleep disorders.
Amount: $8,750,000
LOI: August 25, 2010; April 25, 2011; August 25, 2011; April 26, 2012; August 25, 2012
Deadline: September 25, 2010; May 25, 2011; September 25, 2011; May 26, 2012; September 25, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-185.html
Key Words**: Sleep Disorders, Lung Diseases**

NIH Clinical Trial Planning Grant Program (R34)

PA-09-186
National Eye Institute (NEI)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)
National Institute of Child Health and Human Developmen

This Funding Opportunity Announcement (FOA) invites applications under the NIH Clinical Trial Planning Grant Program, the purpose of which is to provide support for the development of a Phase III clinical trial. This includes the establishment of the research team, the development of tools for data management and oversight of the research, the definition of recruitment strategies, and the finalization of the protocol and other essential elements of the study included in a manual of operations/procedures. The Clinical Trial Planning Grant is not designed for the collection of preliminary data or the conduct of pilot studies to support the rationale for a clinical trial.
Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-186.html
Key Words**: Clinical Trials**

NEI Clinical Study Planning Grant Program (R34)

PAR-10-017
National Eye Institute (NEI)
The National Eye Institute (NEI) supports large-scale clinical vision research projects, including randomized clinical trials and epidemiologic studies. At the time of submission, applications requesting support for these activities are expected to provide detailed information regarding the study's rationale, design, analytic techniques, protocols and procedures, facilities and environment, organizational structure, and collaborative arrangements. This information is best conveyed in a well-documented Manual of Procedures (MOP), the development of which represents a costly and time-consuming activity. The Clinical Study Planning Grant is designed to facilitate activities central to the refinement of a study's protocol and procedures and the development of a detailed MOP. The NEI Clinical Study Planning Grant may be used to support the development of a MOP, as well as to conduct preliminary studies to refine study procedures and/or assess recruitment potential. The Clinical Study Planning Grant is applicable to both epidemiologic and clinical trial research studies.
Amount: $300,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-017.html
Key Words**: Vision, Clinical Trials**

Institutional Clinical and Translational Science Award (U54)

RFA-RM-10-001
National Center for Research Resources (NCRR)
The Clinical and Translational Science Award (CTSA) initiative assists institutions to create an integrated academic home for Clinical and Translational Science that has the resources to train and advance multi- and inter-disciplinary investigators and research teams with access to innovative research tools and information technologies that apply new knowledge and techniques to patient care. Clinical and Translational Science Awards (CTSAs) attract basic, translational, and clinical investigators, community clinicians, clinical practices, networks, professional societies, and industry to develop new professional interactions, programs, and research projects. Through innovative advanced degree programs, CTSAs foster the discipline of Clinical and Translational Science that is broader and deeper than their separate components (definitions of Clinical and Translational Science are provided in Section I of this document).
Amount: $8,000,0000
LOI: September 14, 2010
Deadline: October 14, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-10-001.html
Key Words**: CTSA, Clinical and Translational**

Centers of Excellence for Research on CAM (CERC) for Pain (P01)

RFA-AT-10-002
National Center for Complementary and Alternative Medicine, (NCCAM/NIH)
The purpose of this Funding Opportunity Announcement (FOA) is to support and enhance research on the application and use of promising complementary/alternative/integrative medicine (CAM/IM) modalities or approaches in the setting of chronic pain. Specifically, this FOA encourages applications for Centers comprised of three or four synergistic, R01-comparable projects by multidisciplinary research teams focused on the basic, mechanistic, and/or translational research questions that must be addressed in order to better understand the optimal application and use of CAM/IM interventions for treating or ameliorating chronic pain.
Amount: $6,250,000
LOI: July 13, 3010
Deadline: August 13, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-AT-10-002.html
Key Words**: Pain Management**

Preliminary Clinical Studies in Preparation for Large Interventional Trials of Complementary and Alternative Medicine (CAM) Therapies (R34)
PAR-10-163
National Center for Complementary and Alternative Medicine (NCCAM)
The goal of this FOA, issued by the National Center for Complementary and Alternative Medicine, is to support early phase clinical research and development on high priority CAM interventions. This mechanism is intended to support the development of methodology and the preliminary data needed for planning and design of subsequent, larger randomized clinical trials, cluster randomized trials or cohort studies. This mechanism is not appropriate for support of randomized clinical trials to test or determine efficacy. It is appropriate for development of preliminary studies that will contribute to the design of either efficacy or real-world effectiveness studies.
Amount: $450,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-163.html
Key Words**: CAM Interventions, Alternative Medicine**

Small Grants for Behavioral Research in Cancer Control (R03)
PA-09-003
National Cancer Institute (NCI)
National Institute of Nursing Research (NINR)
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI) and the National Institute of Nursing Research (NINR), at the National Institutes of Health (NIH), is intended to provide support for either new investigators in cancer-related behavioral research, or investigators who want to refocus their research interests toward behavioral research in cancer control. The program is designed to facilitate the growth of a nationwide cohort of scientists with research experience in behavioral cancer control and design of public health interventions. Preliminary data for the proposed projects are not required. Overarching goals are to: (1) encourage new investigators to enter the field of behavioral research in cancer control and initiate their long-term career development aimed at becoming independent investigators in the field, and (2) support research on transfer of behavioral science knowledge into cancer control practice.
Amount: $100,000
LOI: N/R
Deadline: August 20, 2010; December 20, 2010; April 20, 2011; August 22, 2011; December 20, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-003.html
Key Words**: Cancer, Cancer Prevention, Cancer Control**

Cancer Surveillance Using Health Claims-based Data System (R01), (R21), and (R03)
PA-09-145 and PA-09-144 and PA-09-143
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages grant applications for research entailing the use of health claims data for cancer surveillance. Cancer surveillance may include assessment of patterns of care, quality, and outcomes of care, and health disparities across the continuum of treatment. Projects sought under this FOA may focus on treatment and outcomes at the patient-specific level or include influences from the provider or broader health-system level. This FOA will utilize the NIH Research Project Grant (R01) grant mechanism and runs in parallel with two other FOAs of identical scientific scope, that encourages applications under the R21 (PA-09-144) and the R03 (PA-09-143) mechanisms.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-145.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-144.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-143.html
Key Words**: Cancer Surveillance, Epidemiology, Cancer, Helath Claims**

National Cancer Institute Program Project (P01) Applications
PAR-09-025
National Cancer Institute (NCI)
With this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI) invites applications for investigator-initiated program project (P01) grants. Proposed program projects may address any of the broad areas of cancer research, including (but not limited to) cancer biology, cancer treatment, cancer diagnosis, cancer prevention, and cancer control. Basic, translational, clinical, and/or population-based studies in all of these research areas are appropriate. Each Program Project application must consist of at least three component projects. The component projects must share a common central theme, focus, and/or overall objective.
Amount: varies
LOI: August 28, 2010; December 28, 2010; April 30, 2011; August 28, 2011
Deadline: September 28, 2010; January 28, 2011; May 27, 2011; September 28, 2011

To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-025.html
Key Words**: Cancer, Cancer Biology, Clinical Translational Research**

Translational Research in Pediatric and Obstetric Pharmacology (R01) and (R03) and (R21)
PAR-09-154 and PAR-09-155 and PAR-09-156
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
This funding opportunity announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development encourages research grant applications to conduct studies to improve existing drug safety and efficacy, and to develop new drugs for pediatric and obstetric populations. The overall goals of this FOA are to support: (1) pharmacological studies addressing the special differences of drug actions and responses among children at various developmental stages, between children and adults, and between pregnant and non-pregnant women; (2) development of new drug targeting children and pregnant women; (3) multidisciplinary collaborations between basic and physician scientists to improve the use of therapeutics in obstetrics and pediatrics.
Amount: varies
LOI: Thirty days prior to application receipt date
Deadline: May 19, 2010, September 16, 2010, January 19, 2011, May 19, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-154.html and http://grants.nih.gov/grants/guide/pa-files/PAR-09-155.html and http://grants.nih.gov/grants/guide/pa-files/PAR-09-156.html
Key Words**: Pediatric Pharmacology, Obstetric Pharmacology**

Pilot and Feasibility Awards
Research Grants
LeRoy Matthews Physician/Scientist Award and the Harry Shwachman Clinical Investigator Award
Cystic Fibrosis Foundation Therapeutics, Inc. (CFFT)
The CF Foundation (CFF) offers competitive awards for research related to cystic fibrosis. Studies may be carried out at the subcellular, cellular, animal, or patient levels. Two of these funding mechanisms include Pilot and Feasibility Awards and Research Grants. Since these applications are reviewed by the CFF's Research and Research Training Committee, those proposals that include methodologies requiring sampling of materials from human subjects will only be considered under this mechanism if the sampling method constitutes minimal patient risk (e.g., venipuncture) and patient samples or data are anonymous.
For applications where more invasive procedures are proposed or where patient samples or data will not be anonymous, please submit a Letter of Intent for a Clinical Research Award.
Also, the CF Foundation offers physician-scientist training awards, including the LeRoy Matthews Physician/Scientist Award and the Harry Shwachman Clinical Investigator Award.
Amount: varies
LOI: the CF Foundation will consider NIH applications that have received a competitive score but missed the payline under the CFF/NIH-unfunded award mechanism. These applications are accepted on an on-going basis.
Deadline: first Wednesday in September
To learn more**:** http://www.cff.org/research/ForResearchers/FundingOpportunities/ResearchGrants/
Key Words**: Cystic Fibrosis**

Prevention and Management of Healthcare Associated Infections (R18)
PA-10-089
Agency for Healthcare Research and Quality (AHRQ)
The purpose of this funding opportunity is to fund extramural health services research, demonstration, dissemination, and evaluation grants that propose to prevent and more effectively manage healthcare associated infections (HAIs).
Research priorities for this FOA are the: 1) development, implementation and demonstration of the prevention and management of HAIs, along with the determination of the costs of such interventions; 2) determination of the efficacy, effectiveness, and costs of preventative interventions; 3) population-level studies on the patient risk factors, clinical presentation, sources, and disease genotypes of antibiotic-resistant organisms that can result in perceived HAIs. The scientific and practical knowledge to be achieved through these research and demonstration efforts will identify the practical and cost-effective approaches to preventing and managing HAIs.
Amount: $1,500,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-089.html
Key Words**: Hospital Acquired Infections, HAI**

Aetna 2010 Grant Program
Aetna Foundation

For 2010, the foundation will focus its grant making on issues that improve health and the healthcare system in three areas: obesity (addressing the rising rate of obesity among U.S. adults and children); racial and ethnic healthcare equity (promoting equity in health and health care for common chronic conditions and infant mortality); and integrated health care (advancing high-quality health care by improving care coordination and communications among healthcare professionals, creating informed and involved patients, and promoting cost-effective, affordable care). Grant applications that address more than one of these areas will receive priority consideration.
Within the three program areas, the foundation will award the following types of grants: research grants to generate new knowledge, making use of either quantitative or qualitative techniques; project grants to test, apply, or disseminate new practices designed to improve health and health care; and policy grants to analyze and promote policies to ensure that programs and practices to improve health and health care can be replicated and disseminated broadly. In addition, the foundation will consider applications for sponsorship of fundraising events such as galas and walks, outreach activities (e.g., health fairs), and other community-based health and wellness initiatives aligned with the foundation's funding priorities.
Amount: up to $250,000
LOI: Required for grant requests over $50,000
Deadline: Quarterly
To learn more**:** http://www.aetna.com/about-aetna-insurance/aetna-foundation/aetna-grants/grants-for-2010-and-beyond.html
Key Words**: Obesity, Racial and Ethnic Health Care Equity, Integrated Health Care**

AACR-FNAB Fellows Grant for Translational Pancreatic Cancer Research

American Association for Cancer Research (AACR)
One-year grant of $35,000. Research projects are restricted to translational pancreatic cancer research that includes the use of human tissue and has implications for therapeutic application and individualized medicine. Proposed research must have implications for individualized cancer treatment and must make use of human biopsies or samples, such as needle biopsies or circulating cancer cells. In vivo primary tumor explants meet these criteria, but xenografts from established cell lines do not.
Amount: $35,000
LOI: N/R
Deadline: November 18, 2010
To learn more**:** http://www.aacr.org/home/scientists/research-funding--fellowships/fellows-grants.aspx
Key Words**: Pancreatic Cancer**

Pediatrics

Administrative Supplements to Increase Public Awareness of Pediatric Cancers and Available Treatments and Research

New

NOT-CA-10-026
National Cancer Institute (NCI)
The National Cancer Institute (NCI) announces the availability of administrative supplements to NCI-funded research grants that address and/or are relevant to public awareness of cancers in children, adolescents, and young adults. The enactment of the Caroline Pryce Walker Conquer Childhood Cancer Act of 2008 gave the Secretary, Department of Health and Human Services (HHS), authority to award grants to increase public awareness of pediatric cancers and available treatments and research. The NCI was designated by HHS to award and administer these grants.
Amount: $250,000
LOI: Released June 4, 2010
Deadline: July 16, 2010
To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-CA-10-026.html
Key Words**:**

Community Grant Program

New

March of Dimes Nebraska State Chapter
Launched in 2003, the March of Dimes Prematurity Campaign is a multiyear, multimillion-dollar research, awareness and education campaign to help families have healthier babies. The campaign includes: 1.) funding research to find the causes of premature birth, 2.) educating women about risk reduction st strategies, including the signs and symptoms of premature labor, 3.) providing support to families affected by prematurity, 4.) expanding access to health care coverage so that more women can get early and adequate prenatal care, 5.) helping health care providers learn ways to help reduce the risk of early delivery, and 6.) advocating for access to insurance to improve maternity care and infant health outcomes.

As part of this effort, the Nebraska Chapter community grants program is designed to invest in priority projects that further the March of Dimes mission, support national campaign objectives , and further our strategic goal of reducing disparities in birth outcomes.
Amount: $6,000
LOI: N/R
Deadline: September 15, 2010
To learn more**:** For additional information or to obtain an application, contact: Mary Larsen, Director Program Services March of Dimes Nebraska State Chapter
11840 Nicholas St., Suite 220
Omaha, NE, 68154
Phone: 402-496-7111
Fax: 402-496-4635
mclarscn@marcllofdimcs.com
Key Words**: Risk Reduction, Prenatal Health Education, Alcohol or other Drugs; Health Education, Premature Birth Recurrence Prevention, Equity in Birth Outcomes, Diabetes and Hypothyroidism, Maternal Child Health Programs**

Reducing Obesity and Obesity-Related Health Conditions Among Adolescents and Young Adults With Disabilities From Diverse Race and Ethnic Backgrounds

New

ED-GRANTS-061110-001
Department of Education
The purpose of the DRRP program is to improve the effectiveness of services authorized under the Rehabilitation Act of 1973, as amended, by developing methods, procedures, and rehabilitation technologies that advance a wide range of independent living and employment VerDate Mar<15>2010 15:04 Jun 10, 2010 Jkt 220001 PO 00000 Frm 00040 Fmt 4703 Sfmt 4703 E:\FR\FM\11JNN1.SGM 11JNN1 WReier-Aviles on DSKGBLS3C1PROD with NOTICES 33278 Federal Register / Vol. 75, No. 112 / Friday, June 11, 2010 / Notices outcomes for individuals with disabilities, especially individuals with the most severe disabilities.
For FY 2010, these priorities are absolute priorities. Under 34 CFR 75.105(c)(3), we consider only applications that meet these priorities. These priorities are: General Disability Rehabilitation Research Projects (DRRP) Requirements and Reducing Obesity and Obesity-Related Secondary Health Conditions Among Adolescents and Young Adults
With Disabilities From Diverse Race and Ethnic Backgrounds.
Amount: $400,000
LOI: Pre-Application Meeting June 24, 2010
Deadline: August 10, 2010
To learn more**:** http://edocket.access.gpo.gov/2010/pdf/2010-14128.pdf
Key Words**:**

Nurse Researcher Awards

New

Alex's Lemonade Stand Foundation
Mentored Nurse Researcher Grants are designed to support efforts of nurse researchers with both mentor and institutional support to accomplish small research projects with goals that relate to improving nursing care or quality of life for children with cancer and their families. Examples of fundable projects include collecting information to answer a nursing question related to care of a child with cancer or applying research based evidence to improve pediatric cancer nursing practices at the institution.
Intermediate Nurse Researcher Grants are designed to financially support efforts of more experienced nurse researchers who have the support and commitment of their institution. Project goals must relate to improving nursing care or quality of life for children with cancer and their families. Such projects may collect information to answer a nursing question related to care of the child with cancer or may be designed to apply research based evidence to improve pediatric cancer nursing practice at the institution. Awards may not be used to supplement other support in a large project.
Applications for ALSF Independent Nurse Reseracher Grants are expected to be from experienced investigators to investigate topics and issues related to the quality of nursing care and the quality of life for children with cancer. Demonstration of a career that shows commitment to pediatric cancer nursing is a critical component of a successful application. Awards may not be used to supplement other support in a large project.
Amount: Nurse Researcher Categories
Mentored - $10,000 a year for 2 years
Intermediate - $20,000 a year for 2 years
Independent - $50,000 a year for 2 years
LOI: N/R
Deadline: August 2, 2010
To learn more**:** http://www.alexslemonade.org/grants/submission-information
Key Words**:**

2010 'A' Award

New

Alex's Lemonade Stand Foundation
The foundation's "A" Award is a three-year grant designed for young scientists who want to jump-start their career in pediatric oncology research. The ideal candidate has an original project that is not currently being funded. Demonstration of outstanding mentorship and a future commitment to pediatric cancer investigation are critical components of a successful application.
Candidates may have their M.D., Ph.D., or M.D./Ph.D., and must not have achieved an appointment higher than assistant professor. Funds must be granted to nonprofit institutions or organizations operating in the United States or Canada. Researchers need not be U.S. citizens.
Amount: $375,000
LOI: N/R
Deadline: August 2, 2010
To learn more**:** http://www.alexslemonade.org/grants/submission-information
Key Words**:**

2010-11 Scholars Program in Youth Settings Research

William T. Grant Foundation
An initiative of the William T. Grant Foundation, the William T. Grant Scholars Program is accepting applications from promising early-career researchers who want to tackle questions important to theory and either policy or practice for improving youth settings.
The program is designed to support promising early-career researchers from diverse disciplines who have demonstrated success in conducting high-quality research and are seeking to further develop and broaden their expertise. The foundation is interested in applicants trained across a range of social, behavioral, and health sciences. Applicants must submit a project that is consistent with the foundation's current research interests: addressing issues that have compelling relevance for theory and policies or practices affecting the settings of youth between the ages of 8 and 25 in the United States or a vulnerable sub-population of those youth.
Amount: $350,000
LOI: N/R
Deadline: July 7, 2010
To learn more**:** http://www.wtgrantfoundation.org/funding_opportunities/fellowships/william_t__grant_scholars
Key Words**: Settings, Youth Development, Youth Policy, Identity Development**

FY 2010 AFRI Childhood Obesity Prevention

USDA-NIFA-AFRI-003037
U.S. Department of Agriculture (USDA)
National Institute of Food and Agriculture (NIFA)
This RFA focuses on the societal challenge to end child obesity. In the Childhood Obesity Prevention Challenge Area RFA, specific program areas are designed to achieve the long-term outcome of reducing the prevalence of overweight and obesity among children and adolescents. Project types supported by AFRI within this RFA include single-function Research, Education, and Extension Projects, multi-function Integrated Research, Education, and/or Extension Projects, and Food and Agricultural Science Enhancement (FASE) Grants.
Amount: $5,000,000
LOI: N/R
Deadline: June 29, 2010
To learn more**:** http://nifa.usda.gov/funding/rfas/pdfs/10_afri_obesity.pdf
Key Words**: Childhood Obesity**

Department of Defense Autism Research Program

U.S. Army Medical Research

The FY09 ARP encourages proposals that specifically address critical needs of the Autism Spectrum Disorders (ASD) community in the following areas (Revised for FY09):
· Co-morbidity: (e.g., manifestations such as disorders [gastrointestinal, sleep, behavioral, speech/language], psychiatric, seizures, immune dysfunction, motor and sensory deficits, metabolic dysfunction, and effects of ASD on intellectual ability)
· Predictors for Treatment Outcomes: Identification of biomarkers, clinical characteristics, or other phenotypic markers that predict outcomes of a treatment, or populations that will or will not respond to a treatment (traditional or complementary and alternative)
FY09 ARP program announcements and application instructions for the following award mechanisms are anticipated to be posted and available on Grants.gov in February 2009.
Amount: $750,000
LOI: pre-application required
Deadline: posting early February
To learn more**:** http://cdmrp.army.mil

Key Words**: Autism, Autism Spectrum Disorders, ASD**

Healthy Eating Research: Building Evidence to Prevent Childhood Obesity

Robert Wood Johnson Foundation (RWJF)
Healthy Eating Research is a national program of the Robert Wood Johnson Foundation (RWJF). The program supports research on environmental and policy strategies with strong potential to promote healthy eating among children to prevent childhood obesity, especially among lower-income and racial and ethnic populations at highest risk for obesity. Findings are expected to advance RWJF's efforts to reverse the childhood obesity epidemic by 2015.
The three types of funding opportunities included in this call for proposals (CFP) are Round 5 grants, rapid-response grants and New Connections grants through Healthy Eating Research. The broad topics and types of studies are described in the complete CFP.
Amount: $up to $170,000
LOI: N/R
Deadline: March 15-September 1, 2010 for Rapid-Response Grants
To learn more**:** http://www.rwjf.org/applications/solicited/cfp.jsp?ID=20922
Key Words**: Childhood Obesity**

Genetic Susceptibility and Variability of Human Structural Birth Defects (R01)

PA-08-011
NICHHD, NIDCR, NIEHS
This Funding Opportunity Announcement (FOA) encourages innovative investigator-initiated applications designed to study fundamental developmental processes using animal models in conjunction with translational/clinical approaches with the goal of advancing our understanding of the etiology of structural birth defects. In 2000, the Developmental Biology, Genetics and Teratology Branch at NICHD began its Birth Defects Initiative with the funding of a number of research grants and program projects focused on the use of molecular genetic approaches for the study of genetic susceptibility, epidemiology, and developmental biology of human congenital structural malformations. These grants established the basis for a working group of investigators, who meet annually to present research updates, share ideas and technical advances, establish new collaborations, and provide input and advice to NICHD staff. Applicants funded through this FOA will join the NICHD's Birth Defects Special Interest Group and participate in annual meetings designed to provide a forum to discuss research progress, exchange ideas, share resources, and foster collaborations relevant to the goals of the NICHD's Birth Defects Initiative.
Amount: unspecified
LOI: N/R
Deadline: Multiple dates, see announcement
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-011.html
Key Words**:**

Young Children With Mild to Severe Hearing Loss (R01)

PA-07-399
National Institutes of Health (NIH)
National Institute on Deafness and Other Communication Disorders (NIDCD)
This FOA encourages research applications from institutions and organizations addressing research needs on the young child (infants and children) with mild to severe hearing loss. Development, refinement, or modification of measurement tools for young children with hearing loss is also encouraged.
Amount: unspecified
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants1.nih.gov/grants/guide/pa-files/PA-07-399.html
Key Words**: Deafness, Hearing**

Research on Autism and Autism Spectrum Disorders (R01), (R03), and (R21)

PA-10-158, PA-10-159, and PA-10-160
National Institutes of Health (NIH)
multiple institutes
This funding opportunity announcement (FOA) encourages research grant applications to support research designed to elucidate the etiology, epidemiology, diagnosis, treatment, and optimal means of service delivery in relation to autism spectrum disorders (ASD). Basic, clinical, and applied studies are encouraged. This FOA is intended to support the broad research goals of the Strategic Plan for ASD Research (http://iacc.hhs.gov/reports/2009/iacc-strategic-plan-for-autism-spectrum-disorder-research-jan26.shtml).
Amount: varies
LOI: N/R
Deadline: Standard dates apply

To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-158.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-159.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-160.html
Key Words**: Autism, Autism Spectrum Disorders, ASD**

NIH Small Research Grant Program (Parent R03)

PA-10-064
National Institutes of Health (NIH)
multiple institutes
The National Institutes of Health (NIH) Investigator-Initiated Small Grant (R03) funding opportunity supports small research projects that can be carried out in a short period of time with limited resources. Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigator's area of interest and competency. All investigator-initiated small grant applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests. Investigators are strongly encouraged to consult the list of participating ICs and special research interests. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.
Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-064.html
Key Words**: Genome Research, Drug Abuse, Aging, Child Health and Development, Nursing**

Alcohol, Decision-Making, and Adolescent Brain Development (R01) and (R21)

PA-09-097
PA-09-096
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
This FOA issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Research Project grants (R01) applications from institutions/organizations that propose to study decision-making processes in adolescents as they relate to drinking behavior, and the role of neural circuitry development in adolescent decision-making and alcohol abuse and dependence.
Amount: unspecified
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-097.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-096.html
Key Words**: Alcoholism, Adolescent Behavior**

Basic and Clinical Studies of Congenital Urinary Tract Obstruction (R01)

PA-09-226
National Institute of Diabetes and Digestive and Kidney Diseases
Eunice Kennedy Shriver National Institute of Child Health and Human Development
This Program Announcement is sponsored by the NIDDK and the NICHD. Congenital obstructive uropathy is one of the major causes of chronic kidney disease and end stage renal disease (ESRD) in infants and children. The pathogenesis of this disorder, however, remains poorly understood. Many controversies and clinical uncertainties exist in the detection, prognosis, and effective treatment strategies for this condition. The impact of early fetal detection and neonatal intervention, the long-term effects of watchful waiting and the various surgical interventions have not been well studied and documented. There is also no consensus on the indications for, or ideal timing of surgical intervention. The purpose of this funding opportunity is to address the numerous scientific and clinical uncertainties related to the development, treatment and prognosis of congenital obstructive uropathy, by encouraging and facilitating research in diverse areas. These areas include: the development of objective prognostic markers; the genetic determinants of this congenital disorder; the development of reliable animal models of the disorder; and, evaluation of the long-term effectiveness of various treatment strategies.
Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-226.html
Key Words**: Congenital Obstructive Uropathy, Kidney Disease, End Stage Renal disease**

Home and Family Based Approaches for the Prevention or Management of Overweight or Obesity in Early Childhood (R21) and (R01)

PA-10-128 and PA-10-127
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Heart, Lung and Blood Institute (NHLBI)
Office of Behavioral and Social Sciences Research (OBSSR)
Office of Disease Prevention (ODP)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Heart, Lung and Blood Institute (NHLBI), the Office of Behavioral and Social Sciences Research (OBSSR) and the Office of Disease Prevention (ODP), National Institutes of Health, invites exploratory pilot/feasibility study and small clinical trial (R21) applications from institutions/organizations that propose to test novel home or family based interventions for the prevention or management of overweight in infancy and early childhood. Tested interventions can use behavioral (including dietary and physical activity), environmental, or other relevant approaches. Applications should focus on infants and young children (to age six years) and emphasize the role of home environment and the influence of family/extended family members and parents (including guardians/substantial care-providers) within the childs home environment. The direct goal of this initiative is to fund research that will advance knowledge for innovative approaches to the prevention or management of overweight in children less than 6 years of age, with potential for future research clinical trial applications either in the home or linked to a community setting. Research should consider the role of families in the initiation, support, and reinforcement of fundamental food and beverage consumption, physical activity practices, and sedentary behaviors. In addition it is of interest to elucidate various underlying behavioral determinants that are crucial to initiate or sustain changes in behaviors that impact energy balance. Research designs may include linkages with other settings (e.g., daycare, pre-school, or other community venues) or other care providers (e.g., health care providers or teachers) but must include infants or children less than age six years as the primary study participant along with parents, and/or other family members residing with the child. The overarching goal is to identify interventions that influence parent and child behaviors that contribute to inappropriate weight gain, and thereby improve subsequent health status in childhood, adolescence, and adulthood for which overweight is a known risk factor.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-128.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-127.html
Key Words**: Obesity**

Adherence Studies in Adolescents with Chronic Kidney or Urologic Diseases, or Diabetes (R01)
RFA-DK-10-004
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
Adherence to a prescribed treatment regimen, including medications, devices and behavioral recommendations, can significantly impact morbidity and mortality for patients with chronic diseases, including chronic kidney or urologic disease and diabetes. When adherence to complex and seemingly rigid treatment regimens is poor, the results can be tragic. Adolescence can also be a particularly challenging time for adherence given the competing demands in an adolescents life, the unique developmental changes, and rapidly changing set of responsibilities as they transition to adulthood. There are few studies in pediatrics beyond the HIV literature that address non-adherence. The purpose of the FOA is to support research to improve adherence in adolescents with chronic kidney or urologic diseases, or diabetes. Therefore, the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) invites applications from new or established investigators to pursue research to better understand factors that influence adherence, develop appropriate measures of adherence, and test innovative strategies to enhance adherence in this vulnerable population.
Amount: $2,500,000
LOI: October 18, 2010
Deadline: November 15, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-10-004.html
Key Words**: Diabetes, Kidney Disease, Adolescents**

Mayday Fund of New York
Mayday Fund of New York
The Mayday Fund is dedicated to alleviating the incidence, degree, and consequence of human physical pain.
Amount: $2,000-$500,000
LOI: N/R
Deadline: Continuous
To learn more**:** http://www.maydayfund.org/
Key Words**: Pain, Pain Alleviation**

Community-Based Partnerships for Childhood Obesity Prevention and Control: Research to Inform Policy (R03) and (R21)
PA-09-140 and PA-09-141
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Cancer Institute (NCI)

National Heart, Lung, and Blood Institute (NHLBI)
Office of Behavioral and Social Sciences Research (OBSSR)
National Center for Chronic
The purpose of this funding opportunity announcement (FOA) issued by the NICHD is to enhance childhood obesity research by fostering the formation of local, state, or regional teams consisting of researchers, policymakers, and other relevant stakeholders (e.g., community representatives, public health practitioners or officials, educators) in order to identify research questions and hypotheses, design and implement the relevant research, and translate the research into evidence relevant to potential policy efforts in this area. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.
Amount: $100,000-$275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-140.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-141.html
Key Words**: Childhood Obesity, Public Policy**

Translational Research in Pediatric and Obstetric Pharmacology (R01) and (R03) and (R21)

PAR-09-154 and PAR-09-155 and PAR-09-156
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
This funding opportunity announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development encourages research grant applications to conduct studies to improve existing drug safety and efficacy, and to develop new drugs for pediatric and obstetric populations. The overall goals of this FOA are to support: (1) pharmacological studies addressing the special differences of drug actions and responses among children at various developmental stages, between children and adults, and between pregnant and non-pregnant women; (2) development of new drug targeting children and pregnant women; (3) multidisciplinary collaborations between basic and physician scientists to improve the use of therapeutics in obstetrics and pediatrics.
Amount: varies
LOI: Thirty days prior to application receipt date
Deadline: May 19, 2010, September 16, 2010, January 19, 2011, May 19, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-154.html and http://grants.nih.gov/grants/guide/pa-files/PAR-09-155.html and http://grants.nih.gov/grants/guide/pa-files/PAR-09-156.html
Key Words**: Pediatric Pharmacology, Obstetric Pharmacology**

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Predoctoral Training Program in Systems Biology of Developmental Biology & Birth Defects(T32)

PAR-10-193
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
The National Institutes of Health (NIH) awards Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) to eligible institutions as the primary means of supporting predoctoral and postdoctoral research training to help ensure that a diverse and highly trained workforce is available to assume leadership roles related to the Nations biomedical, behavioral and clinical research agenda. The primary objective of the T32 program is to prepare qualified individuals for careers that have a significant impact on the health-related research needs of the Nation. This Funding Opportunity Announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) encourages applications for predoctoral NRSA T32s to provide research training in systems biology of developmental biology and/or structural birth defects research.
Amount: varies
LOI: June 14, 2010, April 25, 2011, April 25, 2012
Deadline: July 13, 2010, May 25, 2011, May 25, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-193.html
Key Words**: Molecular Biology, Cell Biology, Genetics, Physiology, Physics, Bio-Mechanics, Imaging, Modeling, Bio-informatics, Quantitative Analysis of High Throughput data**

Postdoctoral Research Training in Pediatric Clinical and Developmental Pharmacology (T32)

RFA-HD-10-005
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
The National Institutes of Health (NIH) will award Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) to eligible institutions as the primary means of supporting predoctoral and postdoctoral research training to help ensure that a diverse and highly trained workforce is available to assume leadership roles related to the Nations biomedical, behavioral and clinical research agenda. The primary objective of the T32 program is to prepare qualified individuals for careers that have a significant impact on the health-related research needs of the Nation. This FOA issued by The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), solicits grant applications from institutions/ organizations that propose to develop clinician-scientists who will be leaders in the field of pediatric clinical pharmacology research. Individuals in these programs

should receive training and experience in the methods and conduct of basic and clinical research, in order to qualify them to perform such studies independently.
Amount: varies
LOI: July 3, 2010
Deadline: August 3, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-10-005.html
Key Words:

Natural History of Disorders Identifiable by Newborn Screening (R01)
RFA-HD-10-019
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
This FOA issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institutes of Health, solicits Research Project Grant (R01) applications from institutions/ organizations that propose to develop a comprehensive understanding of the natural history of disorders that are currently identified by NBS or could potentially benefit from early identification by newborn screening. By defining the sequence and timing of the onset of symptoms and complications of a disorder, a valuable resource will be developed for the field. In addition, for some disorders, specific genotype-phenotype correlations may allow prediction of the clinical course, and for other disorders, identification of modifying genetic, epigenetic, or environmental factors will enhance an understanding of the clinical outcomes for an individual with such a condition. Comprehensive data on natural history will facilitate the field's ability to: 1) accurately diagnose the disorder; 2) understand the genetic and clinical heterogeneity and phenotypic expression of the disorder; 3) identify underlying mechanisms related to basic defects; 4) potentially prevent, manage, and treat symptoms and complications of the disorder; and 5) provide children and their families with needed support and predictive information about the disorder.
Amount: $5,000,000
LOI: July 2, 2010
Deadline: August 3, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-10-019.html
Key Words:

Pharmacokinetic Research in Pediatric HIV/TB Co-Infection (R01) and (R21)
RFA-HD-09-015 and RFA-HD-09-016
Eunice Kennedy Shriver National Institute of Child Health and Human Development
National Institute of Mental Health (NIMH)
This Funding Opportunity Announcement (FOA), issued by the National Institute of Child Health and Human Development (NICHD) and the National Institute of Mental Health (NIMH), encourages Research Project Grant (R01) applications from institutions/organizations that propose to evaluate the pharmacokinetics of anti-tuberculosis (anti-TB) drugs and pharmacokinetic drug interactions between anti-TB drugs and anti-HIV medications, and to potentially provide preliminary data regarding the effect of such pharmacokinetic parameters on the outcome of treatment in children with HIV/TB co-infection. Pediatric research in these areas lags far behind that in adults due to the many challenges surrounding the diagnosis and management of TB disease in children. Research related to the treatment of TB in the context of pediatric HIV/TB co-infection is urgently needed. This FOA will support grants to define appropriate dosing of anti-TB agents in HIV-infected children and that will generate knowledge regarding the optimization of management of TB/HIV co-infection in children, including the management of central nervous system (CNS) involvement with TB through the evaluation of CNS penetration of anti-TB agents in the context of antiretroviral therapy.
Amount: $2,000,000; varies with project
LOI: July 24, 2010
Deadline: August 24, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-09-015.html and http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-09-016.html
Key Words: **TB, HIV, Treatment, Anti-Tuberculosis Drugs, Pharmacokinetics**

Research on Emergency Medical Services for Children (R01)
PAR-08-261
Eunice Kennedy Shriver National Institute of Child Health and Human Development
Agency for Healthcare Research and Quality
National Institute of Mental Health
National Institute of Nursing Research
This multi-agency program Funding Opportunity Announcement (FOA) is designed to improve the quality and quantity of research related to emergency medical services for children (EMSC), with the goal of reducing morbidity and mortality in children through improved care delivery. This FOA invites the submission of applications dealing with the following areas of research included under the term EMSC: prevention research to reduce the need for emergency care; clinical research to ensure that children receive high-quality and appropriate medical, nursing and mental health care in an emergency; health systems research, from pre-hospital care, to the

emergency department, to in-patient care and return to the community; models to improve service and cost efficiency in pediatric emergency care; and methodological studies to improve the quality of research conducted.
Amount: $2,500,000
LOI: August 15, 2010
Deadline: September 15, 2010

To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-261.html
Key Words: **Emergency Medical Services for Children**

Fiscal Year 2010 (FY10) Autism Research Program (ARP)

W81XWH-10-ARP-CTA
W81XWH-10-ARP-IDA
W81XWH-10-ARP-RDA
W81XWH-10-ARP-EHDA
DOD
Congressionally Directed Medical Research Programs (CDMRP)
The mission of this program is to promote innovative research that advances the understanding of autism spectrum disorder and leads to improved treatment outcomes. Opportunities are available in the following areas.
Clinical Trial Award
Idea Development Award
Resource Development Award
Exploration-Hypothesis Award
Amount: up to $1,000,000
LOI: June 10, 2010 for Exploration-Hypothesis Award
Deadline: July 28, 2010; July 1, 2010 for Exploration-Hyposthesis Award
To learn more: http://cdmrp.army.mil/funding/arp.htm
Key Words: **Autism**

Family Services Community Grants Program

Autism Speaks
Autism Speaks is accepting grant applications for its Family Services Community Grants program for projects that promote services that enhance the lives of those affected by autism spectrum disorders. The focus of these grants will be on proposals that serve to build the field of services for individuals with autism and expand the capacity to effectively serve this growing community.
Autism Speaks will accept family services community grant proposals that address one of three areas of need — education, recreation/community activities, and young adult/adults services. Successful applicants will apply grant funding to support new programs or the expansion of existing projects.
Amount: up to $25,000
LOI: June 10, 2010
Deadline: June 25, 2010
To learn more: http://www.autismspeaks.org/community/family_services/grants.php
Key Words: **Autism, ASD, Autism Spectrum Disorders**

CHIPRA Pediatric Healthcare Quality Measures Program Centers of Excellence (U18)

RFA-HS-11-001
Agency for Healthcare Research and Quality (AHRQ)
Office of Extramural Research, Education and Priority Populations (OEREP)
This FOA solicits Cooperative Research Demonstration and Dissemination Projects (U18) grant applications that propose to advance and improve measures of children's healthcare quality. The FOA implements Section 401(a) of the Children's Health Insurance Program Reauthorization Act (CHIPRA) of 2009 (Public Law 111-3), which amends title XI (42 U.S.C. 1301 et seq.) by inserting after section 1139 the new section 1139A(b): Advancing and Improving Pediatric Quality Measures. This section calls for the establishment of a pediatric quality measures program to: improve and strengthen the initial core child health care quality measures established by the Secretary under (42 U.S.C. 1301 Sec. 1139A(a)); expand on existing pediatric quality measures used by public and private health care purchasers and advance the development of such new and emerging quality measures; and increase the portfolio of evidence-based, consensus pediatric quality measures available to public and private purchasers of children's healthcare services, providers, and consumers.
Amount: $8,000,000
LOI: June 1, 2010
Deadline: June 30, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-HS-11-001.html
Key Words:

Pharmacy and Pharmacology Research

Aerospace Medicine and Human Performance Integration Research

New

BAA-09-01-RH
Air Force Research Laboratory Human Effectiveness Directorate
The Human Effectiveness Directorate of the Air Force Research Laboratory (AFRL) is soliciting white papers under this announcement for innovative technologies and scientific and programmatic services to support aerospace medicine and human performance integration research. This is a 5-year, open-ended BAA, under which the 711th Human Performance Wing seeks to identify novel medical and human systems integration research. The 711th HPW includes two Defense Health Program (DHP)-funded mission elements: (1) The United States Air Force School of Aerospace Medicine (USAFSAM), and (2) the Human Performance Integration Directorate (711th HPW/HP).
(1) The United States Air Force School of Aerospace Medicine (USAFSAM) is an international center for education, training, consultation, research and technology evaluation in hazard mitigation, public health, contingency operations, performance enhancement, human systems integration, and clinical aerospace medicine disciplines including aeromedical evacuation. (See pages 5-7 of program description.)
Some topics of interest:
rapid pathogen ID and detection
novel use of non-pharmaceutical therapeutics (probiotics, immunomodulatory nutrients?)
workplace hazards, contaminants, particulate matter
wound care/healing
infection control
organ failure
pain control
ID and surveillance of physical, chemical, infections agents
improved specimen collection, storage, shipment and/or processing
medical response capabilities and standards
medical responses to disasters centered around the interface between military and non-military responders
epidemiological studies
improved IT capability for surgical application and database management
doppler bubble and trans-esophageal echocardiograms to ID patent foramen ovale

Amount: $250,000-$500,0000
LOI: White Papers should be submitted through the UNMC Office of Research, Paula Turpen, PhD Director or Research Resources
Deadline: continuous until April 15, 2014
To learn more**:** https://www.fbo.gov/index?s=opportunity&mode=form&tab=core&id=57284ba19b9c2168128b1f62bee6b667&_cview=0
Key Words**:**

Minor Use Minor Species Development of Drugs; Research Project Grant (R01)

RFA-FD-10-001
Office of Minor Use and Minor Species (MUMS) Animal Drug Development
This FOA is issued by the Food and Drug Administration (FDA), Center for Veterinary Medicine (CVM), and solicits Research Project (R01) grant applications from institutions/organizations that propose to develop, or support the development of, new animal drugs for intended minor use in major species or intended use in minor species. Only new animal drug products that have been designated in accordance with the provisions of section 573 of the Federal Food, Drug, and Cosmetic Act (the act) (21 U.S.C. 360ccc-2) and 21 CFR Part 516 are eligible for grants. FDA is authorized to provide grants for designated new animal drugs to assist in defraying the costs of qualified safety and effectiveness testing. This FOA relates to grants to assist in defraying the costs of qualified safety and effectiveness testing when a grant will either result in, or substantially contribute to, approval or conditional approval of a designated MUMS drug. Applicants must include an explanation of how the proposed study will help gain product approval or conditional approval in the application's "Background and Significance" section. All funded studies are subject to the requirements of the act (21 U.S.C. 331 et seq.), regulations issued under it, and applicable Department of Health and Human Services (HHS) statutes and regulations.
Amount: $300,000
LOI: N/R
Deadline: September 3, 2010, February 4, 2011, August 5, 2011
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-FD-10-001.html
Key Words**: Animal Drugs**

NIH Blueprint for Neuroscience Research Grand Challenge: Developing Novel Drugs for Disorders of the Nervous System (U01)
RFA-NS-11-002
National Institutes of Health (NIH)
multiple institutes
The National Institutes of Health (NIH) announces a unique opportunity for investigators working with molecular probe compounds to gain access to a robust virtual pharma drug development network to develop neurotherapeutic drugs. Successful applicants to this initiative will be collaborative participants in this network, receiving both funding and no-cost access to contracted drug development services that are not typically available to the NIH-funded research community. Funding will be provided through a U01 cooperative agreement to conduct biological testing of compound analogs in disease assays and models in the investigators laboratory. No-cost drug development services will also be provided, including medicinal chemistry optimization, IND-directed pharmacology and toxicology, and Phase I clinical testing. Researchers who have disease assays and small molecule compounds that show promise for treating nervous system and psychiatric disorders, but that are not yet suitable for clinical testing, are strongly encouraged to apply. Investigators funded through this FOA will be active partners in the design and implementation of the drug development strategy in collaboration with an NIH-appointed advisory panel of drug development experts. This program is structured to allow investigators to maintain control of the intellectual property generated using their assays and starting compounds and to pursue commercialization of compounds that are developed within the program. This program was established by the NIH Blueprint for Neuroscience and will consider applications for nervous system disorders within the missions of any of the 16 participating NIH Institutes.
Amount: varies
LOI: July 10, 2010
Deadline: August 10, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-NS-11-002.html
Key Words**: Neurological, Psychiatric and Developmental Disorders, Dementias of Aging, Diseases and Disorders of Eye or Ear, Drug and Alcohol Dependence and Addiction**

NIH Blueprint for Neuroscience Research Grand Challenge on the Transition from Acute to Chronic Neuropathic Pain (R01)
RFA-DE-11-002
National Institutes of Health (NIH)
multiple institutes
The goal of this FOA is to facilitate research collaborations between pain scientists and non-pain neuroscientists with expertise in neuroplasticity in order to study biological mechanisms underlying the transition from acute to chronic pain. These collaborations will capture insights and expertise from disciplines where transitions from health to disease have been extensively examined. The purpose of this FOA is to encourage submission of multi-PI grant applications that propose highly collaborative, multidisciplinary research projects addressing neuropathic pain conditions. An expected outcome of this FOA will be the formation of partnerships between pain researchers and non-pain neuroscientists to develop new collaborations focused on understanding the maladaptive neuroplastic changes that occur during the transition from acute to chronic neuropathic pain.
Amount: varies
LOI: August 30, 2010
Deadline: September 29, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-11-002.html
Key Words**:**

Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellows inPharmD/PhD Programs (F31)
PA-09-029
National Institutes of Health (NIH)
The National Institute of General Medical Sciences (NIGMS) will provide individual predoctoral research training fellowship awards to promising pharmacy students who are enrolled in a PharmD/PhD degree program whose dissertation projects are in areas relevant to the research mission of NIGMS. Applicants must have a baccalaureate degree and must be enrolled in a formally combined PharmD./PhD program in the biomedical, behavioral, or clinical sciences. Applicants must be at the dissertation research stage of their doctoral training. Applicants must also show evidence of both high academic performance in the sciences and substantial interest in areas of high priority to NIGMS.
Amount: annual stipend ($20,772)
LOI: N/R
Deadline: Standard dates for Individual Kirschstein-NRSA awards apply.
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-029.html
Key Words**: Fellowship, Pre-Doctoral, Thesis, PharmD/PhD**

Behavioral and Integrative Treatment Development Program (R01) and (R03) and (R34)

PA-10-012 and PA-10-011 and PA-10-013
National Institute on Drug Abuse (NIDA)
National Institute on Alcoholism and Alcohol Abuse (NIAAA)
National Institute of Nursing Research (NINR)
The purpose of this FOA for R01 applications is to encourage Stage II or Stage III research to conduct clinical trials, examine mechanisms of behavior change, determine dose-response, optimize combinations, and/or ascertain best sequencing of behavioral, combined, sequential, or integrated behavioral and pharmacological (1) drug abuse treatment interventions, including interventions for patients with comorbidities, in diverse settings; (2) interventions to prevent the acquisition or transmission of HIV infection among individuals in drug abuse treatment; (3) interventions to promote adherence to drug abuse treatment, HIV and addiction medications; and (4) interventions to treat chronic pain.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-012.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-011.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-013.html
Key Words**: Clinical Trials, Drug Abuse Treatment, HIV and Addictions**

2010 NIDA Translational Avant-Garde Award for Medication Development for Diseases of Addiction (DP1)
RFA-DA-10-013
National Institute on Drug Abuse (NIDA)
The NIDA Translational Avant-Garde Award is designed to support dedicated and talented basic and/or clinical researchers with the vision, drive and expertise necessary to translate research discoveries into medications for the treatment of diseases of addiction. Through this funding FOA, the National Institute on Drug Abuse (NIDA) is committed to making significant advances in the development of safe and efficacious products for the treatment of disorders stemming from tobacco, cannabis, cocaine, methamphetamine, heroin, or prescription opiate use or abuse. These products can be pharmaceuticals (small molecules) or biologics. Biologics include medicinal products such as vaccines and recombinant therapeutic proteins created by biological processes. Applications may focus on the pharmacotherapy of one or various disorders. Applications may also focus on the specific symptoms of the disorder such as withdrawal, craving or relapse. Testing of new formulations of marketed medications that are available for other indications, or new combinations of existing medications, which may be promising candidates for the treatment of diseases of addiction is within the scope of this FOA. The 2010 Translational Avant-Garde Award competition will proceed in two phases. The first phase is a pre-application phase in response to PAR-10-095. Pre-applications will be evaluated by a group of external reviewers. Those investigators whose submissions are judged to be the most outstanding will be notified of the opportunity to submit full applications under this FOA (DP1).
Amount: $10,000,001
LOI: N/R
Deadline: July 2, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-013.html
Key Words**: Substance Abuse, Treatment**

Medications Development for the Treatment of Pregnant/Postpartum Women with Substance Related Disorders and/or In Utero Substance Exposed Neonates (R01) and (R21)
PA-09-106 and PA-09-107
National Institute on Drug Abuse
The purpose of this FOA is to foster the development of novel pharmacological strategies for the treatment of pregnant/postpartum women with Substance Related Disorders (SRDs) and/or in utero substance exposed neonates. To that end, this FOA issued by NIDA, National Institutes of Health, will encourage applications to implement preclinical and clinical research directed towards: 1) the identification, evaluation, and development of safe and effective novel pharmacotherapies (e.g., new chemical entities or immunotherapies) for the treatment of pregnant/postpartum women with SRDs and/or in utero substance exposed neonates, and/or 2) the evaluation of the safety and efficacy of FDA approved medications (e.g., medications approved for a different indication) for the treatment of pregnant/postpartum women with SRDs and/or in utero substance exposed neonates.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-106.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-107.html
Key Words**: Fetal Maternal Health, Substance Abuse**

Medications Development for Polydrug Addiction Treatment
[(R01) PAS-08-186] and [(R21) PAS-08-187]
PAS-08-186 and PAS-08-187
National Institute on Drug Abuse

The National Institute on Drug Abuse (NIDA) is seeking medication discovery and development research grant applications focused on the treatment of patients who are simultaneously addicted to multiple substances, including alcohol, tobacco, illicit drugs and/or prescription drugs. Novel proposals for clinical or preclinical testing of potential medications, as well as relevant animal model development and medicinal chemistry efforts are encouraged.
Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAS-08-186.html and http://grants.nih.gov/grants/guide/pa-files/PAS-08-187.html
Key Words**: Drug Abuse, Drug Development**

Alzheimer's Disease Drug Development Program (U01)

PAR-08-266
National Institute on Aging (NIA)
The objective of this solicitation is to stimulate research in the pre-clinical development and testing of novel therapeutic compounds aimed at slowing, halting, or reversing the progressive decline in cognitive function and modifying the behavioral symptoms in Alzheimer's disease (AD); or delaying the onset of or preventing AD, mild cognitive impairment (MCI), or age-related cognitive decline. This initiative is intended to stimulate activities focused on providing sufficient data to submit an Investigational New Drug (IND) application to the Food and Drug Administration to begin human clinical testing of potential new therapies. For this program neither mechanistic/basic studies nor clinical trials will be supported; only applications to develop a therapy will be accepted.
Amount: $4,000,000
LOI: September 1, 2010, October 1, 2010, January 3, 2011, February 1, 2011, September 1, 2011 and October 3, 2011. (Note: The October and February letters of receipt dates are for amended applications only).
Deadline: October 1, 2010, November 1, 2010, February 1, 2011, March 1, 2011, October 1, 2011 and November 1, 2011. (Note: The November and March receipt dates are for amended applications only).
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-266.html
Key Words**: Alzheimer's Disease, Cognitive Function, Cognitive Impairment**

Grants for Alzheimer's Disease Drug Discovery (R21)

PAS-10-151
National Institute on Aging (NIA)
The goal of this FOA is to advance the discovery of new, efficacious therapies for the treatment, delay of progression, or prevention of Alzheimer's disease (AD), mild cognitive impairment (MCI) and age-related cognitive decline. This FOA encourages the early stages of drug discovery necessary to identify promising disease-modifying therapies as well as treatments aimed at ameliorating the cognitive and neuropsychiatric/behavioral symptoms characteristic of Alzheimer's disease. Studies aimed at the discovery and testing of therapies directed at a variety of established as well as novel therapeutic targets are encouraged. The goal is not to duplicate or compete with pharmaceutical companies but to encourage the process of discovering new, innovative, and effective therapeutics for the prevention and treatment of the cognitive impairment and behavioral symptoms associated with Alzheimer's disease.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAS-10-151.html
Key Words**: Alzheimer's Disease**

Optimization of Small Molecule Probes for the Nervous System (STTR [R41]) and (SBIR [R43])

PAR-09-259 and PAR-09-260
National Institute of Neurological Disorders and Stroke (NINDS)
National Eye Institute (NEI)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute on Drug Abuse (NIDA)
This Funding Opportunity Announcement (FOA) encourages Small Business Technology Transfer (STTR) grant applications from small business concerns (SBCs) that propose to develop new small molecule probes for investigating biological function in the nervous system via the application of advanced medicinal chemistry and the biological testing of compounds. Eligible SBCs will have identified probe candidates via screening of small molecule collections, using in vitro assays of biological activity developed to interrogate these collections, and be able to show that the structural features of these small molecules are related to their biological activity. Applications should nominate small molecule probe candidates from distinct structural series for the further, iterative design and testing of analogues in structure-activity relationship studies, using in vitro assays of biological function adapted to the medium throughput screening requirements of this work. These studies should have the goal of developing a small molecule probe possessing the attributes (eg: affinity, selectivity, activity) required for its use in future pharmacological studies proposed by the SBC. Applicants are strongly

encouraged to utilize publicly available cheminformatic capabilities for the acquisition of compounds, and semi-custom synthesis of analogues, which is required of these studies.
Amount: $300,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-259.html and http://grants.nih.gov/grants/guide/pa-files/PAR-09-260.html
Key Words**: Small Molecule Probes**

NINDS Exploratory/Developmental Projects in Translational Research for Resistant Epilepsy and Epileptogenesis (R21)
PAR-10-143
National Institute of Neurological Disorders and Stroke (NINDS)
This funding opportunity announcement (FOA), from the National Institute of Neurological Disorders and Stroke (NINDS) encourages applications for projects intended to complete preliminary steps in the pipeline for the preclinical development of therapeutics to cure epilepsy, prevent the emergence of epilepsy following brain injury (including status epilepticus, traumatic brain injury, stroke, encephalitis, or other injury) or in other high-risk groups, or to better treat individuals with intractable epilepsy. Such projects, if successful, should lead directly to a subsequent project that will include all remaining activities for submission of an Investigational New Drug (IND) or Investigational Device Exemptions (IDE) application to the Food and Drug Administration (FDA). Only Aims required for therapy development can be supported in this program. This program excludes clinical research, basic research, and studies of disease mechanisms.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-143.html
Key Words**: Epilepsy**

NINDS Exploratory/Developmental Projects in Translational Research (R21)
PAR-08-232
National Institute of Neurological Disorders and Stroke (NINDS)
This Funding Opportunity Announcement (FOA) requests applications for projects intended to complete preliminary steps in the pipeline for the pre-clinical development of therapeutics for neurological disorders. Such projects, if successful, should lead directly to a subsequent project that will include all remaining activities for submission of an Investigational New Drug (IND) or Investigational Device Exemptions (IDE) application to the Food and Drug Administration (FDA). Only Aims required for therapy development can be supported in this program. This program excludes clinical research, basic research and studies of disease mechanism.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-232.html
Key Words**: Neurological Disorders**

Drug Discovery for Nervous System Disorders (R01) and (R21)
PAR-10-001 and PAR-10-002
National Institute of Mental Health (NIMH)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute on Drug Abuse (NIAD)
National Institute of Neurological Disorders and Stroke (NINDS)
This funding opportunity announcement (FOA) encourages research grant applications from applicant organizations directed toward the discovery and preclinical testing of novel compounds for the prevention and treatment of nervous system disorders.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-001.html and http://grants.nih.gov/grants/guide/pa-files/PAR-10-002.html
Key Words**: Neurological Disorders, Therapy, Treatment, Diagnostics**

Pharmacologic Agents and Drugs for Mental Disorders (SBIR [R43/R44])

PA-08-142
National Institute of Mental Health
This funding opportunity announcement (FOA) solicits Small Business Innovation Research (SBIR) grant applications that propose to develop novel pharmacologic agents for brain research related to mental disorders, including research aimed at discovering new drugs for these disorders. In addition, this FOA solicits SBIR grant applications that propose to take existing, promising compounds through the next step of drug discovery and development. Finally, this FOA also encourages SBIR grant applications designed to study the effectiveness of novel interventions.
Amount: up to $350,000 total costs per year and time periods up to two years for Phase I may be requested. Budgets up to $600,000 total costs per year and up to three years may be requested for Phase II.
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-142.html
Key Words:

Ruth L. Kirschstein National Research Service Awards (NRSA) for Individual Predoctoral Fellows in PharmD/PhD Programs (F31)
PA-10-178
National Institute of General Medical Sciences (NIGMS)
Eunice Kennedy Shriver National Institute of Child Health and Human Development (CHHD)
Office of Dietary Supplements (ODS)
The purpose of this individual predoctoral research training fellowship is to provide support for promising students enrolled in a PharmD/PhD degree program who will be performing dissertation research and training in areas relevant to the missions of NIGMS, NICHD, and the Office of Dietary Supplements. Mechanism of Support. This FOA will utilize the NIH Ruth L. Kirschstein Individual Predoctoral National Research Service Award (NRSA) award mechanism (F31).
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-178.html
Key Words:

Adverse Metabolic Side Effects of Second Generation Psychotropic Medications Leading to Obesity and Increased Diabetes Risk (R01)
PAR-08-160
National Institute of Diabetes and Digestive and Kidney Diseases
National Institute of Mental Health
This Funding Opportunity Announcement (FOA) invites investigator-initiated research grant applications for studies examining the adverse metabolic effects (i.e., obesity and diabetes) of psychotropic medications in animal models and across the human lifespan (including pediatric, adult and geriatric populations). Applications responsive to this FOA should focus on 1) increasing the understanding of the nature, rates, and pathophysiology of adverse metabolic effects of psychotropic medications, 2) elucidating biomedical and psychosocial risk factors for the development of metabolic adverse effects of psychiatric therapeutics, and 3) develop interventions to prevent and/or mitigate metabolic adverse effects across the lifespan.
Amount: up to $500,000 per year
LOI: A letter of intent is requested 30 days prior to application receipt date
Deadline: multiple dates (October 22, 2010, June 22, 2011, February 22, 2012)
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-160.html
Key Words: **Neuropharmacology, Neuropsychopharmacology, Pathophysiology**

Collaborative Research on the Transition From Acute to Chronic Pain: New Models and Measures in Clinical and Preclinical Pain Research (R01)
RFA-DE-11-001
National Institute of Dental and Craniofacial Research (NIDCR)
The overall goal of this FOA is to stimulate preclinical and clinical research that will accelerate our understanding of the biological and behavioral determinants driving the transition from acute pain to chronic pain disorders. An understanding of the mechanisms and risk factors that determine who will transition to a chronic pain state is necessary in order to intervene in this transition and to design new, effective treatments to resolve acute pain before it becomes chronic. The objectives of this FOA are to: 1) assemble research teams with expertise in basic and clinical pain research and related expertise outside the pain field that will provide novel, collaborative, multidisciplinary approaches to answer crucial questions about the transition from acute to chronic pain; 2) discover biological and behavioral mechanisms that drive the transition from an acute pain state to a chronic dysfunctional pain condition; 3) develop new clinical and preclinical models and measures of pain that will be essential to identify and characterize these mechanisms. Studies that involve considerable risk but with the potential for breakthroughs in the field are strongly encouraged.

Amount: varies
LOI: May 21, 2010
Deadline: June 22, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-11-001.html
Key Words**: Pain, Management and Evaluation**

Development of Multifunctional Drug and Gene Delivery Systems (R01)

PAR-10-048
National Institute of Biomedical Imaging and Bioengineering (NIBIB)
National Heart, Lung, and Blood Institute (NHLBI)
This Funding Opportunity Announcement (FOA), issued by the National Institute of Biomedical Imaging and Bioengineering and the National Heart, Lung, and Blood Institute, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose the engineering of novel, multifunctional drug and gene delivery systems that can target therapies to particular cells and intracellular compartments and can monitor delivery and determine therapeutic efficacy through the integration of advanced imaging and/or sensing technologies into the delivery system. Applications should propose to develop at least one prototype system by the end of the project period. Applications that are submitted to this FOA should include investigators from both the drug/gene delivery and imaging fields. Applicants are strongly encouraged to use the Multi-PD/PI model to meet the imaging and drug/gene delivery expertise.
Amount: varies
LOI: 30 days before Application Due Dates
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-048.html
Key Words**: Gene Delivery, Drug Delivery**

NIAID Advanced Technology SBIR (NIAID-AT-SBIR [R43/R44]) and STTR (NIAID-AT-STTR [R41/R42])

PA-10-123 and PA-10-124
National Institute of Allergy and Infectious Diseases (NIAID)
This funding opportunity announcement (FOA) encourages Small Business Innovation Research (SBIR) grant applications from small business concerns (SBCs) for advanced technology projects that require a longer award period and greater award amount than those routinely allowed under the SBIR program. For this FOA, "advanced technology" is defined as a “clearly identified” product or service that requires approval of the Food and Drug Administration (FDA) and is within the mission of NIAID. An example of a “clearly identified product” is a research project focused on a lead compound for an AIDS drug. A research project focused on developing an assay to identify lead compounds does not have a clearly identified product and would not be appropriate for this FOA. Only applications meeting the above “advanced technology” definition should be submitted in response to this FOA. Applications in response to this FOA should not contain human clinical trials. NIAID Policy currently only allows investigator initiated clinical trials to be submitted using the R34 mechanism.
Amount: up to $3,000,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-123.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-124.html
Key Words**: FDA, Products or Services**

Validation of Novel Therapeutic Targets for Huntington’s Disease (R01)

PAS-10-183
National Institute for Neurological Disorders and Stroke (NINDS)
The National Institute of Neurological Disorders and Stroke (NINDS) invites research project grant (R01) applications aimed at validating novel molecular targets for disease-modifying therapeutic intervention in Huntingtons disease. This FOA is for support of new projects, and not the continuation of projects that have already been initiated with NIH funding.
Amount: $1,000,000
LOI: 30 days prior to application due date
Deadline: June 30, 2010 for the first receipt date; standard R01 dates thereafter
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAS-10-183.html
Key Words**:**

FDA Small Scientific Conference Program (R13/U13)

RFA-FD-08-003
FDA

This funding opportunity provides updated guidelines for the Food and Drug Administration support of conferences and scientific meetings.
Amount: varies
LOI: N/R
Deadline: October 15; January 15; April 15; July 15 annually
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-FD-08-003.html
Key Words:

Translational Research in Pediatric and Obstetric Pharmacology (R01) and (R03) and (R21)
PAR-09-154 and PAR-09-155 and PAR-09-156
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
This funding opportunity announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development encourages research grant applications to conduct studies to improve existing drug safety and efficacy, and to develop new drugs for pediatric and obstetric populations. The overall goals of this FOA are to support: (1) pharmacological studies addressing the special differences of drug actions and responses among children at various developmental stages, between children and adults, and between pregnant and non-pregnant women; (2) development of new drug targeting children and pregnant women; (3) multidisciplinary collaborations between basic and physician scientists to improve the use of therapeutics in obstetrics and pediatrics.
Amount: varies
LOI: Thirty days prior to application receipt date
Deadline: May 19, 2010, September 16, 2010, January 19, 2011, May 19, 2011
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-154.html and http://grants.nih.gov/grants/guide/pa-files/PAR-09-155.html and http://grants.nih.gov/grants/guide/pa-files/PAR-09-156.html
Key Words: **Pediatric Pharmacology, Obstetric Pharmacology**

Postdoctoral Research Training in Pediatric Clinical and Developmental Pharmacology (T32)
RFA-HD-10-005
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
The National Institutes of Health (NIH) will award Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) to eligible institutions as the primary means of supporting predoctoral and postdoctoral research training to help ensure that a diverse and highly trained workforce is available to assume leadership roles related to the Nations biomedical, behavioral and clinical research agenda. The primary objective of the T32 program is to prepare qualified individuals for careers that have a significant impact on the health-related research needs of the Nation. This FOA issued by The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), solicits grant applications from institutions/ organizations that propose to develop clinician-scientists who will be leaders in the field of pediatric clinical pharmacology research. Individuals in these programs should receive training and experience in the methods and conduct of basic and clinical research, in order to qualify them to perform such studies independently.
Amount: varies
LOI: July 3, 2010
Deadline: August 3, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-10-005.html
Key Words:

Pharmacokinetic Research in Pediatric HIV/TB Co-Infection (R01) and (R21)
RFA-HD-09-015 and RFA-HD-09-016
Eunice Kennedy Shriver National Institute of Child Health and Human Development
National Institute of Mental Health (NIMH)
This Funding Opportunity Announcement (FOA), issued by the National Institute of Child Health and Human Development (NICHD) and the National Institute of Mental Health (NIMH), encourages Research Project Grant (R01) applications from institutions/organizations that propose to evaluate the pharmacokinetics of anti-tuberculosis (anti-TB) drugs and pharmacokinetic drug interactions between anti-TB drugs and anti-HIV medications, and to potentially provide preliminary data regarding the effect of such pharmacokinetic parameters on the outcome of treatment in children with HIV/TB co-infection. Pediatric research in these areas lags far behind that in adults due to the many challenges surrounding the diagnosis and management of TB disease in children. Research related to the treatment of TB in the context of pediatric HIV/TB co-infection is urgently needed. This FOA will support grants to define appropriate dosing of anti-TB agents in HIV-infected children and that will generate knowledge regarding the optimization of management of TB/HIV co-infection in children, including the management of central nervous system (CNS) involvement with TB through the evaluation of CNS penetration of anti-TB agents in the context of antiretroviral therapy.
Amount: $2,000,000; varies with project
LOI: July 24, 2010
Deadline: August 24, 2010

To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-09-015.html and http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-09-016.html
Key Words: **TB, HIV, Treatment, Anti-Tuberculosis Drugs, Pharmacokinetics**

Amyotrophic Lateral Sclerosis Research Program (ALSRP)
[Therapeutic Development Award; Therapeutic Idea Award]
W81XWH-10-ALSRP-TDA
W81XWH-10-ALSRP-TIA
DOD
Congressionally Directed Medical Research Programs (CDMRP)
The FY2010 Amyotrophic Lateral Sclerosis Research Program (ALSRP) promotes the introduction of improved therapies for ALS by encouraging ALS investigators to undertake preclinical studies of novel and existing agents.
Amount: varies with award; up to $1,500,000
LOI: May 14, 2010
Deadline: August 4, 2010
To learn more: http://cdmrp.army.mil/funding/alsrp.htm
Key Words: **ALS, Preclinical Model Systems, Pharmacologic Agents**

Integrative Behavioral Neuroscience Award
American College of Neuropsychopharmacology
The American College of Neuropsychopharmacology announces the creation of a prize in integrative behavioral neuroscience. This prize is being established to stimulate genesis of solutions to a major practical and conceptual barrier to improved understanding of mental illnesses: the absence of models that successfully integrate wide-ranging molecular and neural substrates of these illness.
Amount: $35,000
LOI: N/R
Deadline: October 15, 2010
To learn more: http://www.acnp.org
Key Words:

Prizes & Awards

VILCEK PRIZE FOR CREATIVE PROMISE BIOMEDICAL SCIENCE 2011
New
Vilcek Foundation
The Vilcek Foundation shall award an unrestricted cash prize of $25,000 to a young (not more than 38 years of age) foreign-born scientist who demonstrates outstanding early achievement in the field of biomedical research. In addition, four finalists will receive awards of $5,000 each.
Amount: $25,000
LOI: N/R
Deadline: July 30, 2010
To learn more: http://www.vilcek.org/
Key Words:

SBS Awards
Society for Biomolecular Screening (SBS)
The Society for Biomolecular Sciences supports an award of $5,000 made at least every three years, to recognize outstanding achievements in research, innovation, ground breaking foundation, or seminal contributions that have proven to be broadly applicable to biomolecular screening or pharmaceutical/ agricultural lead discovery. Furthermore, the award seeks to recognize those who have distinguished themselves within the scope of the society's mission. Independence of thought, originality of approach, clarity of vision, and a consistent record of achievement are important criteria. Quality and depth rather than the number of contributions shall be emphasized.
The Society for Biomolecular Sciences supports annual awards of $1,000 to recognize a member for a significant technical accomplishment, exceeding a benchmark or milestone in screening or the lead discovery process, or an innovative and integrated use of mature technologies. More than one award may be conferred annually.
Amount: $5,000
LOI: N/R
Deadline: Continuous

To learn more: http://www.sbsonline.org/awards/
Key Words: **Biomolecules, Proteomics**

NCI Transition Career Development Award to Promote Diversity (K22)

PAR-08-047
NCI
This Funding Opportunity Announcement (FOA) represents the continuation of an NCI program to make possible the diversification of the cancer research workforce via facilitation of the transition of investigators from minority groups underrepresented in biomedical research, primarily those with clinical doctoral degrees as well as those with doctoral degrees working in the areas of cancer prevention, control, behavioral, or population science research, from the mentored stage of career development in academic cancer research to the independent stage. This goal is achieved by providing protected time through salary and research support for 3 years to: postdoctoral individuals or junior faculty in mentored positions transitioning into their first independent position; and investigators within the first 2 years of their first independent cancer research position, to initiate and develop their independently-supported cancer research programs.
Amount: 3 years of salary (up to $75,000 per annum plus fringe benefits) and research support up to $50,000 per annum.
LOI: N/R
Deadline: multiple, see listing
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-047.html
Key Words:

Faculty Early Career Development (CAREER) Program

NSF 08-557
National Science Foundation
CAREER: The Faculty Early Career Development (CAREER) Program is a Foundation-wide activity that offers the National Science Foundation's most prestigious awards in support of junior faculty who exemplify the role of teacher-scholars through outstanding research, excellent education and the integration of education and research within the context of the mission of their organizations. Such activities should build a firm foundation for a lifetime of leadership in integrating education and research. NSF encourages submission of CAREER proposals from junior faculty members at all CAREER-eligible organizations and especially encourages women, members of underrepresented minority groups, and persons with disabilities to apply.
Amount: varies
LOI: N/R
Deadline: July 20, 2010
To learn more: http://www.nsf.gov/pubs/2008/nsf08557/nsf08557.htm?govDel=USNSF_25
Key Words:

Academic Career Award (K07)

PA-08-152
National Cancer Institute
National Center for Complementary and Alternative Medicine
National Institute on Aging
National Institute on Alcohol Abuse and Alcoholism
Office of Dietary Supplements
The purpose of the NIH Academic Career Award is to provide support to increase the pool of individuals with academic and research expertise to become academic researchers and to enhance the educational or research capacity at the grantee sponsoring grantee institution. The Academic Career Award supports Development awards for more junior level candidates and Leadership awards for more senior individuals with acknowledged scientific expertise and leadership skills.
Amount: 3-5 years support
LOI: N/R
Deadline: multiple
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-152.html
Key Words:

Integrative Behavioral Neuroscience Award

American College of Neuropsychopharmacology
The American College of Neuropsychopharmacology announces the creation of a prize in integrative behavioral neuroscience. This prize is being established to stimulate genesis of solutions to a major practical and conceptual barrier to improved understanding of mental illnesses: the absence of models that successfully integrate wide-ranging molecular and neural substrates of these illness.
Amount: $35,000
LOI: N/R

Deadline: October 15, 2010
To learn more: http://www.acnp.org
Key Words:

AACR's Annual Scientific Awards
American Association Cancer Research (AACR)
The AACR is now accepting nominations for the awards recognizing excellence in cancer research. Please note that there is no limit to the number of candidates who can be nominated from any one institution or nominator. Award amounts and deadlines vary please check the details for each award.
Amount: varies with award
LOI: N/R
Deadline: Deadlines vary with each award please check program announcement for details. Earliest: May 20, 2010; latest: October 15, 2010
To learn more: http://www.aacr.org/home/scientists/scientific-achievement-awards.aspx
Key Words: **Breast Cancer, Cancer Prevention, Translational Cancer Research, Epidemiology, Detection, Diagnosis, Treatment of Cancer, Leadership in Cancer Research, Basic Cancer Research, Clinical Cancer Research, Chemistry in Cancer**

Psychobehavioral Diseases/Mental Health

Pre-application Teleconference for RFA-MH-10-050 - Seeding National Mentoring Networks to Enhance Diversity of the Mental Health Research Workforce (U24)
New
NOT-MH-10-023
National Institute of Mental Health (NIMH)
The National Institute of Mental Health (NIMH) will hold a pre-application teleconference on Monday, June 21, 2010, from 3:00 p.m. to 4:00 p.m. (EDT) to which all prospective applicants are invited. This is a technical assistance teleconference conducted by NIMH staff involved in managing this program to explain the goals and objectives of this initiative and answer questions from attendees. The full funding opportunity announcement is available at http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-10-050.html. Participating in the teleconference is neither required nor necessary for a successful application. It is intended to be an opportunity to clarify the objectives of the initiative. Potential applicants are encouraged to submit their questions or comments to NIMH_Training@mail.nih.gov in advance of the call. Potential applicants interested in participating in the technical assistance call should send a message to the e-mailbox above to obtain the dial-in number no later than 5:00 p.m. (EDT), June 17, 2010.
Amount:
LOI:
Deadline: June 21, 2010
To learn more: http://grants.nih.gov/grants/guide/notice-files/NOT-MH-10-023.html
Key Words:

The NARSAD 2011 Distinguished Investigator Award
New
NARSAD: The Mental Health Research Association
The NARSAD Distinguished Investigator Award provides support for experienced investigators (full professor or equivalent) conducting neurobiological research relevant to schizophrenia, mood disorders, or other serious mental illnesses, including research with anxiety, bipolar disorders, personality disorders, or child and adolescent psychiatric disorders.
The program is designed to stimulate the development of key personnel and resources, to facilitate the rapid initiation of research in innovative areas, and to enable investigators to create unique scientific opportunities. A one-year award of $100,000 is provided for established scientists pursuing innovative projects in diverse areas of neurobiological research. Areas of particular interest to the selection committee include patient populations with unique or unusual characteristics, and central nervous system developments.
Amount: $100,000
LOI: N/R
Deadline: July 1, 2010
To learn more: http://www.narsad.org/?q=node/164/apply_for_grants/164
Key Words:

Healing Heroes (HH)
New

DARPA-BAA-10-62
Defense Advanced Research Projects Agency
(DARPA)
DARPA is soliciting innovative research proposals in the area of web-based approaches for medical and psychological health social networking, care delivery/telehealth, and informatics. Proposed research should investigate innovative approaches that enable revolutionary advances in science, technology, or systems. Specifically excluded is research that primarily results in evolutionary improvements to the existing state of practice.
Amount: varies
LOI: N/R
Deadline: October 13, 2010
To learn more**:** https://www.fbo.gov/index?s=opportunity&mode=form&id=cc4a3406f32c19142b6cba7ee23ea1ca&tab=core&_cview=0
Key Words**: Major Depressive Disorder, PTSD, TBI, On-line Resources, Social Networking, Predictive and Retrospective Medical Diagnostic and Treatment**

ARL/ARO Broad Agency Announcement-Revised
W911NF-07-R-0001-02
U.S. Army Research Laboratory (ARL)
14.0. Extramural research in the Life Sciences is supported by the Army Research Office. For those proposals related to purely medical topics, the investigator is invited to contact the U.S. Army Medical Research and Materiel Command. For research in the behavioral and social sciences or in training techniques, contact the Army Research Institute for Behavioral and Social Sciences. The ARO Life Sciences Division research program is currently focused on four sub
area work packages. The titles, scopes and points of contact for these work packages, each of which address general aspects of basic research in biotechnology, as well as the specific thrusts described, are listed below. A small number of symposia, conferences and workshops are also supported in part or in whole to provide an exchange of ideas related to ongoing programs in Army laboratories. Potential offerors are strongly encouraged to contact the appropriate TPOC for preliminary discussions on their ideas before any submissions. The TPOC may invite the offeror to submit a preproposal.
14.1. Bioengineering. Fundamental studies to define structure-function relationships and biochemical interactions for enzymes, receptors and other macromolecules exhibiting mechanisms and properties uniquely relevant to synthetic and degradative pathways of interest to the military, including establishment of the foundations for manipulation and exploitation of biocatalysis, ribosomal and non-ribosomal biosynthesis to enhance permissiveness toward elaboration of useful biomolecular structures and cellular systems designed with "metabolic engineering" in mind. Also, research to provide insight from nature on novel theoretical principles and mechanisms in sensory and motor function, as well as on materials with extraordinary properties, from biological sources. Includes not only initial molecular events, signal transduction pathways and integrated information processing for the powerful sensing capabilities exhibited in the biological world, but also self-assembly processes, hierarchical structure formation, and functional characterization of biomolecular materials such as those with potential "biomimetic" utility for nanometer scale fabrication or for energy and information transfer, among other possibilities. Technical Point of Contact: Dr. Robert Kokoska, Robert.kokoska@us.army.mil, (919) 549-4342.
14.2 Molecular Genetics and Genomics. This program emphasizes basic research in molecular genetics and genomics that will enable optimization of soldier cognitive and physical performance, soldier protection, and Army logistics. This includes human performance and protection under both normal conditions, and when affected by a variety of stressors that are likely to be encountered in battlefield situations, such as dehydration, heat, cold, sleep deprivation, fatigue, caloric insufficiency, microbial factors, and psychological stress. Genetic and genomic research areas include identification and characterization of gene function, gene regulation, genetic interactions, gene pathways, gene expression patterns, mitochondrial regulation and biogenesis, and nuclear and mitochondrial DNA replication, mutagenesis, oxidative stress, and DNA repair. Also molecular responses to pathogens, pathogen identification, and pathogen inactivation, as well as host-pathogen interactions, and host components of infection and resistance to infection. This program is also interested in the biotechnology of microarrays, including both genomic- and proteomic-based platforms, for real time detection of pathogens or physiological states that would reduce or interfere with human
performance. This program also supports development of new biomaterials and bioproduction methods, and other advances in biotechnology methods and applications. Technical Point of Contact: Dr. Micheline Strand, e-mail: Micheline.strand@us.army.mil, (919) 549-4343.
14.3. Microbiology and Biodegradation. Biochemical and physiological mechanisms, underlying the biodegradative processes in normal, extreme, and engineered environments and fundamental studies on organisms in these environments, the properties of materials that make them susceptible or resistant to biological attack, basic concepts for anti-fungals, and studies of microbiological mechanisms with potential for contributing to the remediation of sites
contaminated with toxic wastes. Included are research investigations in analytical microbiology (including microbial signatures), and in general microbial mechanisms with relevance to Army problems. Addressed here also is research into microbial communities and how to study organisms that cannot be grown in the lab, as well as research into methods to enhance the stabilization of military materiel, which would include methods to prevent microbial growth.
Also included is the development of microbial systems for unique biotechnological applications and bioengineering processes with individual microbial species or consortia of microorganisms, emphasizing the control, stability, and mechanisms of the basic cellular processes involved. Technical Point of Contact: Dr. Micheline Strand, e-mail: Micheline.strand@us.army.mil, (919) 549-4343.
14.4 Neurophysiology and Cognitive Neuroscience. Research in the perception and cognition subfields of neurophysiology and the cognitive neurosciences, covering several or all areas of electrophysiology, psychophysiology, sensory and perceptual physiology,

computational neurobiology, psychophysics, neuropsychology, and integrative neurobiology is of interest. Specific examples can include physiological, neuro-psychological and/or cortical/cognitive
mechanisms underlying successful completion of complex task behaviors applicable to nonlaboratory environments under non-ideal conditions, to include both amelioration of induced losses as well as enhancement in defined perceptual, cognitive and/or motor abilities. Investigations can span the gamut from multi-unit recordings through evoked potentials and neuro-imaging technologies to humoral and psychological correlates of both central and peripheral nervous system function. Non-medically oriented research designed to elucidate the fundamental physiology underlying cognition and possible non-invasive methods of monitoring cognitive states and processes during normal activity is appropriate. Perceptual and/or psychophysiological implications of mind-machine interfaces ranging from optimizing auditory, visual and/or somatosensory display and control systems based on physiological or psychological states
through modeling of individual cognitive dynamics and decision making is appropriate to this research area. Technical Point of Contact: Dr. Elmar T. Schmeisser e-mail elmar.schmeisser@us.army.mil, (919) 549-4318.
Amount: unspecified
LOI: N/R
Deadline: September 30, 2011
To learn more**:** http://www.arl.army.mil/www/DownloadedInternetPages/CurrentPages/DoingBusinesswithARL/research/07-r-0001-02_amendment2.pdf
Key Words**: Human Performance, Microbial Signatures, Perception and Cognition**

American Foundation for Suicide Prevention Invites Applications for Research Grants

The American Foundation for Suicide Prevention
AFSP research grants support studies that aim to increase understanding of the causes of suicide and factors related to suicide risk, or to test treatments and other interventions designed to prevent suicide. Investigators from all academic disciplines are eligible to apply, and both basic science and applied research projects will be considered, providing the study has an essential focus on suicide or suicide prevention. AFSP grants are awarded for one or two-year periods.
Amount: varies
LOI: N/R
Deadline: submission deadlines of Dec. 15 and June 15; annually
To learn more**:** http://www.afsp.org/index.cfm?fuseaction=home.viewPage&page_id=0535FDA2-FA7D-AAE8-D7A9A6BCFFE3574B
Key Words**:**

Methodology, Measurement, and Statistics (MMS)

NSF 08-561
NSF
The MMS Program seeks proposals that are methodologically innovative, grounded in theory, and have potential utility for multiple fields within the social, behavioral, and economic sciences. Successful proposals often integrate across the following areas: The development, application, and extension of formal models and methodology for social and behavioral research, including methods for improving measurement. The proposed research must have implications for one or more of the social and behavioral sciences. The development of formal models that cross traditional disciplinary boundaries, including research on statistical methodology or statistical modeling having direct implications for one or more of the social and behavioral sciences. Research on methodological aspects of new or existing procedures for data collection, including methodology for survey research, and research to evaluate or compare existing data bases and data collection procedures. The collection of unique databases with cross disciplinary implications, especially when paired with developments in measurement or methodology. The organizational infrastructure of social and behavioral research.
Amount: varies
LOI: N/R
Deadline: August 16, annually; January 16, annually
To learn more**:** http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08561
Key Words**: Statistical Surveys, Mental Health Assessment**

Collaborative R01s for Clinical and Services Studies of Mental Disorders, AIDS and Alcohol Use Disorders (R01)

PAR-09-153
NIH – Multiple Institutes
The National Institute of Mental Health (NIMH) and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) seek to support collaborative intervention trials in the treatment, prevention or rehabilitation of those with mental disorders and alcohol use disorders and comorbid mental disorders. Support is also provided for other collaborative clinical studies, including but not limited to mental health services research, AIDS, genetics, psychopathology, stigma, and cultural and social processes. This Funding Opportunity Announcement (FOA) should be used when two or more sites are needed to complete the study. Accordingly, the collaborating studies share a specific protocol across the sites and are organized as such in order to increase sample size, accelerate recruitment, or increase sample diversity and representation. In studies with a large number of sites, it is expected that one site will be submitted as a coordinating site for data management and/or other centralized administration. For a linked set of collaborative R01s, each site has its

own Project Director/Principal Investigator and the program provides a mechanism for cross-site coordination, quality control, database management, statistical analysis, and reporting.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-153.html
Key Words: **Alcohol Abuse, Mental Disorders, Comorbid Mental Disorders**

Behavioral Systems

PD 07-7472
National Science Foundation (NSF)
Directorate for Biological Sciences (BIO)
Division of Integrative Organismal Systems (IOS)
The Behavioral Systems Cluster supports research on the development, function, mechanisms, and evolutionary history of behavior, with emphasis on a vertically integrated understanding of the behavioral phenotype in nature. To foster this integrative goal, the Cluster specifically encourages projects that seek to understand how combinations of neural, hormonal, physiological, and developmental mechanisms act synergistically as a system from which behavior emerges. Laboratory work or the study of animals in captivity is encouraged, to the extent that it contributes to the understanding of behavior in natural systems.
Amount: $140,000
LOI: N/R
Deadline: January 12; July 12; Annually
To learn more: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501086
Key Words: **Behavioral Phenotype, Behavior, Evolutionary Biology**

Silvio O. Conte Centers for Basic and Translational Mental Health Research (P50)

PAR-08-194
National Institutes of Health (NIH)
National Institute of Mental Health (NIMH)
The National Institute of Mental Health (NIMH) invites applications for Conte Centers for Basic and Translational Mental Health Research. The purpose of these Centers is to support interdisciplinary teams of researchers engaging in integrative, novel, and creative experimental approaches to address high-risk, high-impact questions that will significantly advance the state of the science in brain and behavioral research relevant to mental health. Conte Centers comprise a collaborative, cutting-edge, interdisciplinary research program conducted at multiple levels of analysis spanning from genes to behavior to disease in humans, animals, and model systems, from infancy to adulthood as appropriate, based on a well-defined and unified scientific question (hypothesis) or problem. Areas of interest span the full range of basic neuroscience, basic behavioral science, genetics research, and proof-of-concept clinical trials, as well as the translational integration of neuroscience and behavioral science with study of the etiology, pathogenesis, and/or the developmental progression of mental disorders across the lifespan. Proposed Centers should be directed towards a well-defined and unified scientific question or problem and in some instances may include discovery-based as well as technology development components.
Amount: $10,750,000
LOI: August 25, 2010
Deadline: September 23, 2010
To learn more: http://grants1.nih.gov/grants/guide/pa-files/PAR-08-194.html
Key Words: **Mental Health, Neuropsychiatry, Psychiatry**

Research on Autism and Autism Spectrum Disorders (R01), (R03), and (R21)

PA-10-158, PA-10-159, and PA-10-160
National Institutes of Health (NIH)
multiple institutes
This funding opportunity announcement (FOA) encourages research grant applications to support research designed to elucidate the etiology, epidemiology, diagnosis, treatment, and optimal means of service delivery in relation to autism spectrum disorders (ASD). Basic, clinical, and applied studies are encouraged. This FOA is intended to support the broad research goals of the Strategic Plan for ASD Research (http://iacc.hhs.gov/reports/2009/iacc-strategic-plan-for-autism-spectrum-disorder-research-jan26.shtml).
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-158.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-159.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-160.html
Key Words: **Autism, Autism Spectrum Disorders, ASD**

Advanced Tools and Technologies for Deep Brain Stimulation (STTR [R41/R42] and SBIR [R43/R44])
PA-10-175 and PA-10-176
National Institutes of Health (NIH)
multiple institutes
This Funding Opportunity Announcement (FOA) encourages Small Business Technology Transfer (STTR) grant applications from small business concerns (SBCs) for projects to design and develop advanced tools and technologies that will lead to improved clinical treatment for Deep Brain Stimulation (DBS) patients.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-175.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-176.html
Key Words**:**

Behavioral and Integrative Treatment Development Program (R01) and (R03) and (R34)
PA-10-012 and PA-10-011 and PA-10-013
National Institute on Drug Abuse (NIDA)
National Institute on Alcoholism and Alcohol Abuse (NIAAA)
National Institute of Nursing Research (NINR)
The purpose of this FOA for R01 applications is to encourage Stage II or Stage III research to conduct clinical trials, examine mechanisms of behavior change, determine dose-response, optimize combinations, and/or ascertain best sequencing of behavioral, combined, sequential, or integrated behavioral and pharmacological (1) drug abuse treatment interventions, including interventions for patients with comorbidities, in diverse settings; (2) interventions to prevent the acquisition or transmission of HIV infection among individuals in drug abuse treatment; (3) interventions to promote adherence to drug abuse treatment, HIV and addiction medications; and (4) interventions to treat chronic pain.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-012.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-011.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-013.html
Key Words**: Clinical Trials, Drug Abuse Treatment, HIV and Addictions**

Accelerating the Pace of Drug Abuse Research Using Existing Epidemiology, Prevention, and Treatment Research Data (R01)
PAR-10-018
National Institute on Drug Abuse (NIDA)
National Cancer Institute (NCI)
Office of Behavioral and Social Science Research (OBSSR)
The National Institute on Drug Abuse (NIDA) and the National Cancer Institute (NCI) invite applications to support the innovative analysis of existing social science and behavioral data to study the etiology and epidemiology of drug using behaviors (defined as alcohol, tobacco, and other drug), HIV risk behaviors, related disorders, prevention and treatment of these behaviors, and health service utilization including quality, access, and costs. NIDA and NCI encourage coordinated analyses of substance abuse research data that are in public use or that are privately held by a principal investigator.
Amount: $450,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-018.html
Key Words**: Risk Behaviors**

Building System Capacity for Implementing Evidence-Based Practices in Substance Abuse Treatment and Prevention (R34)
PA-09-105
National Institute on Drug Abuse (NIDA)
This Funding Opportunity Announcement (FOA) issued by the National Institute on Drug Abuse, National Institutes of Health, provides resources to facilitate research on the adoption, implementation, and sustainability of evidence-based clinical treatment practices, prevention approaches, and business practices in community-based service delivery settings. It is intended to foster collaboration between service providers and entities that directly influence their capacity to deliver such practices, including Single State Agencies, other funders, licensing and regulatory bodies, referral sources, educational entities, and other social services agencies that interact with the treatment and prevention systems. Applications are encouraged that will advance the field of implementation science while simultaneously building the capacity of systems and service providers to conduct process improvement research. Applicants may

propose to pilot test proven clinical or business practices across service delivery settings, or to study the downstream effect of changes in State or other system-level policies on program capacity to implement evidence-based practices. This FOA encourages collection of preliminary data needed to inform approaches to the eventual scaling-up of selected practices to broader, sustained implementation.
Amount: $450,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-105.html
Key Words: **Addictions, Treatment Program Evaluation**

Drug Abuse Dissertation Research: Epidemiology, Prevention, Treatment, Services, and/or Women and Sex/Gender Differences (R36)
PAR-10-020
National Institute on Drug Abuse (NIDA)
The purpose of this Funding Opportunity Announcement (FOA) is to invite applications for support of drug abuse doctoral dissertation research in epidemiology, prevention, treatment, services, and/or women and sex/gender differences.
Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-020.html
Key Words: **Drug Abuse**

Collaborative R34s for Pilot Studies of Innovative Treatments in Mental Disorders (Collaborative R34)
PA-09-075
National Institute of Mental Health (NIMH)
National Center for Complementary and Alternative Medicine
This Funding Opportunity Announcement (FOA), issued by the National Institute of Mental Health (NIMH) and the National Center for Complementary and Alternative Medicine (NCCAM), seeks to support collaborative preliminary intervention studies to evaluate the feasibility, tolerability, acceptability and safety of novel mechanism drug candidates, promising investigational new drugs (INDs), or novel psychosocial strategies for the treatment of mental disorders and for obtaining the preliminary data needed as a pre-requisite to larger-scale (efficacy or effectiveness) intervention or services studies. This FOA should be used when at least two but no more than three sites are needed to complete the study. The collaborating studies should be organized in order to increase sample size, accelerate recruitment, and/or increase sample diversity and representation. For a linked set of collaborative R34s, each site shall have its own Project Director/Principal Investigator and provide for a mechanism for cross-site coordination, quality control, database management, statistical analysis, and reporting.
Amount: $450,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-075.html
Key Words: **Mental Disorders, Drug Therapy**

Women's Mental Health in Pregnancy and the Postpartum Period (R01)
PA-09-174 and PA-09-175
National Institute of Mental Health (NIMH)
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Institute on Drug Abuse (NIDA)
Center for Primary Care, Prevention, and Clinical Partnerships (CP3)
In this Funding Opportunity Announcement (FOA), the National Institute of Mental Health (NIMH), the National Institute on Drug Abuse (NIDA), the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), and the Agency for Healthcare Research and Quality, encourage research on women's mental health in relation to pregnancy and the postpartum period. As illustrated by a few highly publicized cases, the consequences of severe untreated postpartum depression and psychosis can be devastating for individuals, families, and communities. A recent evidence-based practice report from the Agency for Healthcare Research and Quality noted that depression is also prevalent during pregnancy as well as the postpartum period, therefore research that occurs throughout pregnancy and the postpartum period (the perinatal period) is encouraged.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-174.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-175.html
Key Words: **Post-Partum Depression**

Pilot Intervention and Services Research Grants (R34)
PAR-09-173
National Institute of Mental Health (NIMH)
The purpose of this Funding Opportunity Announcement (FOA) is to encourage research on 1) the development and/or pilot testing of new or adapted interventions, 2) the adaptation and/or pilot testing of interventions with demonstrated efficacy for use in broader scale effectiveness trials, or 3) innovative services research directions that require preliminary testing or development. The R34 award mechanism provides resources for evaluating the feasibility, tolerability, acceptability and safety of novel approaches to improving mental health and modifying health risk behavior, and for obtaining the preliminary data needed as a pre-requisite to a larger-scale (efficacy or effectiveness) intervention or services study. NIMH intervention and services research is aimed at preventing or ameliorating mental disorders, emotional or behavioral problems, the co-occurrence of mental, physical and substance abuse problems, HIV infections, and the functional consequences of these problems across the life span.
Amount: $450,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-173.html
Key Words**: Health Risk Behavior, Mental Health Treatment**

Interventions And Practice Research Infrastructure Program (IP-RISP) (R24)
PAR-06-441
National Institute of Mental Health (NIMH)
The National Institute of Mental Health (NIMH) seeks research partnerships between community-based, clinical/services settings and research institutions to enhance the national capacity to conduct research that will inform mental health services research science, service delivery, program dissemination and implementation, and mental health policy. The IP-RISP seeks to foster an active, synergistic partnership between mental health researchers and community-based, clinical/services staff, clinicians and patients/clients to: (1) advance our knowledge about developing research infrastructure in community settings and the establishment of collaborative partnerships; (2) identify and incorporate those factors (e.g., organizational, sociocultural, interpersonal) in community settings that may be associated with quality care and optimal outcomes for patients and clients; and (3) plan, test, and implement services research interventions (treatment, rehabilitative, and preventive) in community settings.
Amount: varies up to $500,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-06-441.html
Key Words**: Community Based Research**

Research on Psychopathology In Intellectual Disabilities (Mental Retardation) (R01)
PA-09-150
National Institute of Mental Health (NIMH)
The purpose of this Funding Opportunity Announcement (FOA) issued by the National Institute of Mental Health (NIMH), National Institutes of Health (NIH), is to invite grant applications for research designed to elucidate the epidemiology, etiology, treatment, and prevention of mental disorders, including emotional and behavioral problems, in persons of any age with intellectual disabilities (mental retardation). Although intellectual disabilities and autism often co-occur, separate FOAs are relevant for investigators interested in autism: "Research on Autism and Autism Spectrum Disorders" under the NIH Research Project Grant (R01) (PA-07-085), the NIH Small Research Grant (R03) (PA-06-391), and the NIH Exploratory/Developmental Grant (R21) (PA-06-392) award mechanisms.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-150.html
Key Words**: Mental Disorders, Autism, Mental Retardation**

Mental Health Dissertation Research Grant to Increase Diversity (R36)
PAR-09-132
National Institute of Mental Health (NIMH)
The purpose of this funding opportunity is to increase the diversity of the mental health research workforce. It will enable qualified doctoral candidates to pursue research careers in any area relevant to the research mission of the National Institute of Mental Health (NIMH). These awards are available to US citizens or permanent residents who are predoctoral students advanced to candidacy in accredited research doctoral programs in the United States (including Puerto Rico and other U.S. territories or possessions).
Amount: see program announcement
LOI: 30 days prior to Application Due Date
Deadline: August 24, 2010; December 22, 2010; April 22, 2011; August 24, 2011; December 22, 2011 (including resubmissions)
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-132.html

Key Words**: Doctoral Training Support, Mental Health Professions**

Deep Sequencing and Haplotype Profiling of Mental Disorders (Collaborative R01)

PAR-08-199
National Institute of Mental Health (NIMH)
With the initial stages of the Human Genome Project completed and new insights gained into the complex interplay of genomic function, genomic structure and the environment in mental disorders, attention is shifting towards the translational promise of the completed human sequence and a new era of genomic medicine in mental disorders. A special emphasis of this Funding Opportunity Announcement (FOA) issued by the National Institute of Mental Health (NIMH), National Institutes of Health (NIH), is to support applications that implement large-scale studies and innovative analytical designs that will disaggregate a given mental disorder into components of finite risks. These developments may be evolutionary or may be fundamentally new and may lead to paradigm shifts in the field. Applications submitted in response to this FOA may propose new technologies for cost effective whole genome analysis and in-depth sequencing and analysis of candidate genes and genomic regions in pedigrees or in a sample of unrelated cases with mental disorders. Applications for large-scale haplotype analysis and the development of new analytical methods also are encouraged.
Amount: varies
LOI: N/R
Deadline: Standard application deadlines for the R01 funding mechanism are February 5, June 5, and October 5.
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-199.html
Key Words**: Bioinformatics, DNA Sequencing, Genomics, Mental Disorders**

Collaborative Research for Molecular and Genomic Studies of Behavior in Animal Models (R01)

PA-10-125
National Institute of General Medical Sciences (NIGMS)
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
The purpose of this Funding Opportunity Announcement (FOA), issued by the National Institute of General Medical Sciences (NIGMS) and the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institutes of Health, is to facilitate collaborative research, involving behavioral scientists and investigators with expertise in molecular biology and/or genomics, which addresses questions about the mechanisms of behavior in animal models. Applications from multiple PIs are encouraged.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-125.html
Key Words**: Maternal Behavior, Social Development, Cognitive Development, Developmental Disability, Neuroimaging, Gene-Brain-Behavior Associations**

Meetings, Conferences, and Networks for Research Partnerships to Improve Functional Outcomes (R13)

PAR-08-207
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Institute of Neurological Diseases and Stroke (NINDS)
National Heart Lung and Blood Institute (NHLBI)
National Institute of Mental Health (NIMH)
National Inst
This funding opportunity announcement (FOA) solicits Conference Grant (R13/U13) applications from applicant organizations for meetings and networks that will facilitate interdisciplinary research partnership among investigators. The goal is to create opportunities for forming strong and effective multi-disciplinary scientific teams to address basic, translational, or clinical research problems in rehabilitation or management of chronic disease, including mental disorders.
Amount: $50,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-207.html
Key Words**: Chronic Disease, Rehabilitation, Conferences**

Research on Teen Dating Violence (R01) and (R21)

PA-09-169 and PA-09-170
Eunice Kennedy Shriver National Institute for Child Health and Human Development (NICHD)
National Institute on Drug Abuse (NIDA)
National Institute on Alcohol and Alcohol Abuse (NIAAA)
Office for Research on Women's Health (ORWH)

This Funding Opportunity Announcement (FOA) encourages investigator-initiated research grant applications from institutions/ organizations that propose to conduct behavioral and/or biomedical research aimed at better understanding the etiologies and precursors for, reducing risk for, and incidence of, teen dating violence (TDV). Research is also sought that examines the linkages and gaps among perceptions of appropriate responses to teen dating violence from service providers, the criminal justice system, teens themselves, victims, perpetrators and bystanders.
Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-169.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-170.html
Key Words**: Teen Violence**

Rehabilitation Research and Training Centers (RRTCs) Improving Measurement of Medical Rehabilitation Outcomes

ED-GRANTS-072809-006
Department of Education
National Institute on Disability and Rehabilitation Research (NIDRR)
The purpose of the RRTC program is to improve the effectiveness of services authorized under the Rehabilitation Act of 1973, as amended, through advanced research, training, technical assistance, and dissemination activities in general problem areas, as specified by NIDRR. Such activities are designed to benefit rehabilitation service providers, individuals with disabilities, and the family members or other authorized representatives of individuals with disabilities.
•Improved Employment Outcomes for Individuals With Psychiatric Disabilities
•Transition-Age Youth and Young Adults With Serious Mental Health Conditions
•Improving Measurement of Medical Rehabilitation Outcomes
•Developing Strategies to Foster Community Integration and Participation for Individuals With Traumatic Brain Injury
Amount: $850,000
LOI: N/R
Deadline: August 27, 2010
To learn more**:** http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=48873
Key Words**: Traumatic Brain Injury, Rehabilitation, Disability Services, Mental Health Acceptance**

Family Services Community Grants Program

Autism Speaks
Autism Speaks is accepting grant applications for its Family Services Community Grants program for projects that promote services that enhance the lives of those affected by autism spectrum disorders. The focus of these grants will be on proposals that serve to build the field of services for individuals with autism and expand the capacity to effectively serve this growing community.
Autism Speaks will accept family services community grant proposals that address one of three areas of need — education, recreation/community activities, and young adult/adults services. Successful applicants will apply grant funding to support new programs or the expansion of existing projects.
Amount: up to $25,000
LOI: June 10, 2010
Deadline: June 25, 2010
To learn more**:** http://www.autismspeaks.org/community/family_services/grants.php
Key Words**: Autism, ASD, Autism Spectrum Disorders**

Association for Frontotemporal Dementias Research Grant

Association for Frontotemporal Dementias
The Request for Proposals is designed to generate preliminary data for larger grant applications to the NIH or other public or private agencies concerned with this important medical and social problem.
Amount: $60,000
LOI: N/R
Deadline: June 28, 2010
To learn more**:** http://www.ftd-picks.org/front-page/2010-aftd-research-rfp
Key Words**: Frontotemporal Dementias, Dementia, Behavioral Variant FTD, Corticobasal Degeneration, FTD Motor Neuron Disease, Pick's Disease, Progressive Aphasia, Semantic Dementia, Progressive Supranuclear Palsy**

AHRQ Small Research Grant Program (R03)

PA-10-168
Agency for Healthcare Research and Quality (AHRQ)

This Funding Opportunity Announcement (FOA) encourages Small Research Grant (R03) applications, and expresses AHRQ portfolio priority areas of interest for ongoing small research projects. The R03 grant mechanism supports different types of health services research projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and, development of new research technology.
Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-168.html
Key Words: **Comparative Effectiveness Research, Prescription Drugs and Medicare, Arthritis and Non-Traumatic Joint Disorders, Cancer, Cardiovascular Disease, Stroke, Hypertension, Dementia, Alzheimer's Disease, Depression, Developmental Delays, ADHD, Autism, Diabetes, Infectious Diseases, HIV/AIDS, Obesity, Peptic Ulcer, Dyspepsia, Pregnancy, Pulmonary Disease/Asthma, Substance Abuse**

Public Health

Active Living Research: Building Evidence to Prevent Childhood Obesity

New

Robert Wood Johnson Foundation (RWJF)
Active Living Research is a national program of the Robert Wood Johnson Foundation that supports research to inform policy and environmental strategies for increasing physical activity among children and adolescents, decreasing their sedentary behaviors and preventing obesity. The program places special emphasis on reaching children and youth between the ages of three and 18 who are at highest risk for obesity — black, Latino, American Indian, and Asian/Pacific Islander children, as well as children who live in under-resourced and lower-income communities.
The program has released a call for proposals for opportunistic, time-sensitive studies on emerging or anticipated changes in physical activity-related policies or environments. Rapid-response grants are expected to accelerate progress toward policy and environmental strategies to prevent and reduce childhood obesity. For maximum impact, studies should be completed in as short a time frame as realistically possible and results disseminated using methods designed to reach local, state, or national decision-makers in time to help inform key policy decisions.
Amount: $150,000
LOI: July 1, 2010
Deadline:
To learn more: http://www.rwjf.org/applications/solicited/cfp.jsp?ID=21121
Key Words:

Seek, Test, Treat, and Retain: Addressing HIV among Vulnerable Populations (R01)

New

RFA-DA-11-001
National Institute on Drug Abuse (NIDA)
National Institute of Mental Health (NIMH)
This FOA solicits R01 applications for both domestic and international studies that test the seek, test, treat, and retain paradigm. This paradigm predicts that expanding HIV testing and reducing viral load among HIV+ individuals through HAART therapy can be effective in reducing the HIV transmission at a population level. In particular, this FOA focuses on research on expanding HAART therapy coverage to reduce HIV transmission among high-risk, vulnerable populations.
Amount: $2,500,000
LOI: 15-Oct-10
Deadline: November 15, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-11-001.html
Key Words:

The Role of Microbial Metabolites in Cancer Prevention and Etiology (U01)

New

PAR-10-208
National Cancer Institute (NCI)
National Center for Complementary and Alternative Medicine (NCCAM)
This Funding Opportunity Announcement (FOA) issued by the National Cancer Institute (NCI), and the National Center for Complementary and Alternative Medicine, (NCCAM), at the National Institutes of Health, encourages the submission of grant applications that characterize the effects of microbially generated metabolites of dietary components on host cell biology. Specifically, this FOA seeks to characterize microbially generated metabolites and better understand their molecular mechanisms of action that

affect host cell proliferative/apoptotic responses, cytokine production, inflammatory and immunomodulatory effects. This FOA will also encourage the conduct of human intervention studies that identify inter-individual variability among various racial and ethnic groups in the production of bacterial metabolites and determine their efficacy in cancer prevention. This research is necessary to better understand the role of dietary components in cancer etiology, prevention, and cancer health disparities to identify who might benefit from specific dietary recommendations and who might be placed at risk. One of the goals of this program will be to facilitate interdisciplinary collaborations among scientists engaged in nutrition, cancer prevention, cancer cell biology research, and cancer disparities research with those conducting studies with gut microorganisms. All applications must include multiple principle investigators with different areas of expertise such as microbiology, nutrition, cancer biology, analytical chemistry, or genetics. In addition, all investigators will be required to attend annual meetings with NIH personnel. Investigators may use either clinical or preclinical approaches.
Amount: varies
LOI: October 15, 2010; October 15, 2011; October 15, 2012
Deadline: November 15, 2010; November 15, 2011; November 15, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-208.html
Key Words**:**

Postdoctoral Research Training for Obstetricians and Gynecologists (T32)
New
PAR-10-203
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institutes of Health (NIH) will award Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) to eligible institutions as the primary means of supporting predoctoral and postdoctoral research training to help ensure that a diverse and highly trained workforce is available to assume leadership roles related to the Nation's biomedical, behavioral and clinical research agenda. The primary objective of the T32 program is to prepare qualified individuals for careers that have a significant impact on the health-related research needs of the Nation. The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) will award T32 programs is to prepare qualified obstetricians and gynecologists to assume leadership roles related to the Nation's biomedical, behavioral and clinical research agenda through a training program composed of a collaboration between a department of obstetrics and gynecology and a department of epidemiology, biostatistics, or preventive medicine (or equivalent). This initiative will increase the cadre of obstetrician gynecologists with good epidemiologic and clinical trials training to better carry out future clinical and translational research.
Amount: varies
LOI: June 28, 2010, April 25, 2011, April 25, 2012
Deadline: July 28, 2010, May 25, 2011, May 25, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-203.html
Key Words**:**

Healing Heroes (HH)
New
DARPA-BAA-10-62
Defense Advanced Research Projects Agency
(DARPA)
DARPA is soliciting innovative research proposals in the area of web-based approaches for medical and psychological health social networking, care delivery/telehealth, and informatics. Proposed research should investigate innovative approaches that enable revolutionary advances in science, technology, or systems. Specifically excluded is research that primarily results in evolutionary improvements to the existing state of practice.
Amount: varies
LOI: N/R
Deadline: October 13, 2010
To learn more**:** https://www.fbo.gov/index?s=opportunity&mode=form&id=cc4a3406f32c19142b6cba7ee23ea1ca&tab=core&_cview=0
Key Words**: Major Depressive Disorder, PTSD, TBI, On-line Resources, Social Networking, Predictive and Retrospective Medical Diagnostic and Treatment**

Aerospace Medicine and Human Performance Integration Research
New
BAA-09-01-RH
Air Force Research Laboratory Human Effectiveness Directorate
The Human Effectiveness Directorate of the Air Force Research Laboratory (AFRL) is soliciting white papers under this announcement for innovative technologies and scientific and programmatic services to support aerospace medicine and human performance

integration research. This is a 5-year, open-ended BAA, under which the 711th Human Performance Wing seeks to identify novel medical and human systems integration research. The 711th HPW includes two Defense Health Program (DHP)-funded mission elements: (1) The United States Air Force School of Aerospace Medicine (USAFSAM), and (2) the Human Performance Integration Directorate (711th HPW/HP).
(1) The United States Air Force School of Aerospace Medicine (USAFSAM) is an international center for education, training, consultation, research and technology evaluation in hazard mitigation, public health, contingency operations, performance enhancement, human systems integration, and clinical aerospace medicine disciplines including aeromedical evacuation. (See pages 5-7 of program description.)
Some topics of interest:
rapid pathogen ID and detection
novel use of non-pharmaceutical therapeutics (probiotics, immunomodulatory nutrients?)
workplace hazards, contaminants, particulate matter
wound care/healing
infection control
organ failure
pain control
ID and surveillance of physical, chemical, infections agents
improved specimen collection, storage, shipment and/or processing
medical response capabilities and standards
medical responses to disasters centered around the interface between military and non-military responders
epidemiological studies
improved IT capability for surgical application and database management
doppler bubble and trans-esophageal echocardiograms to ID patent foramen ovale

Amount: $250,000-$500,0000
LOI: White Papers should be submitted through the UNMC Office of Research, Paula Turpen, PhD Director or Research Resources
Deadline: continuous until April 15, 2014
To learn more**:** https://www.fbo.gov/index?s=opportunity&mode=form&tab=core&id=57284ba19b9c2168128b1f62bee6b667&_cview=0
Key Words**:**

The William T. Grant Scholars Program

William T. Grant Foundation
The William T. Grant Scholars Program supports promising early-career researchers from diverse disciplines, who have demonstrated success in conducting high-quality research and are seeking to further develop and broaden their expertise.
Candidates are nominated by a supporting institution and must submit five-year research plans that demonstrate creativity, intellectual rigor, and a commitment to continued professional development.
Amount: $350,000
LOI: N/R
Deadline: July 7, 2010
To learn more**:** http://www.wtgrantfoundation.org/File%20Library/Funding%20Opportunities/FAQs%20for%20Scholars.doc
Key Words**: After School Program Evaluations, Youth Development, Policy and Practice that Affect Youth**

2010-11 Scholars Program in Youth Settings Research

William T. Grant Foundation
An initiative of the William T. Grant Foundation, the William T. Grant Scholars Program is accepting applications from promising early-career researchers who want to tackle questions important to theory and either policy or practice for improving youth settings.
The program is designed to support promising early-career researchers from diverse disciplines who have demonstrated success in conducting high-quality research and are seeking to further develop and broaden their expertise. The foundation is interested in applicants trained across a range of social, behavioral, and health sciences. Applicants must submit a project that is consistent with the foundation's current research interests: addressing issues that have compelling relevance for theory and policies or practices affecting the settings of youth between the ages of 8 and 25 in the United States or a vulnerable sub-population of those youth.
Amount: $350,000
LOI: N/R
Deadline: July 7, 2010
To learn more**:** http://www.wtgrantfoundation.org/funding_opportunities/fellowships/william_t__grant_scholars
Key Words**: Settings, Youth Development, Youth Policy, Identity Development**

American Foundation for Suicide Prevention Invites Applications for Research Grants

The American Foundation for Suicide Prevention

AFSP research grants support studies that aim to increase understanding of the causes of suicide and factors related to suicide risk, or to test treatments and other interventions designed to prevent suicide. Investigators from all academic disciplines are eligible to apply, and both basic science and applied research projects will be considered, providing the study has an essential focus on suicide or suicide prevention. AFSP grants are awarded for one or two-year periods.
Amount: varies
LOI: N/R
Deadline: submission deadlines of Dec. 15 and June 15; annually
To learn more**:** http://www.afsp.org/index.cfm?fuseaction=home.viewPage&page_id=0535FDA2-FA7D-AAE8-D7A9A6BCFFE3574B
Key Words**:**

Changes in Health Care Financing and Organization (HCFO)

Robert Wood Johnson Foundation (RWJF)
This program supports policy analysis, research, evaluation and demonstration projects that provide policy leaders timely information on health care policy and financing issues. This Call for Proposals is intended to support projects that: 1) examine significant issues and interventions related to health care financing and organization and their effects on health care costs, quality and access; and 2) explore or test major new ways to finance and organize health care that have the potential to improve access to more affordable and higher quality health services.
Amount: >$100,000
LOI: N/R
Deadline: Grants are awarded on a rolling basis; proposals may be submitted at any time
To learn more**:** http://www.rwjf.org/applications/solicited/cfp.jsp?ID=19274&c=EMC-ADV
Key Words**: Health Care Policy, Health Care Financing**

Mentored Research Scientist Research Career Development Award (K01)

PAR-09-087
Office of Extramural Research, Education and Priority Populations (OEREP)
The primary purpose of the AHRQ Mentored Research Scientist Research Career Development Awards (K01) program is to prepare qualified individuals for careers that have a significant impact on the quality, safety, efficiency, and effectiveness of health care for all Americans. This program represents the continuation of an AHRQ program that provides support and "protected time" to individuals with a research doctoral degree for an intensive, supervised research career development experience in health services research. The K01 award can be used both by individuals who propose to newly embark in heath services research training and those who had a hiatus in their research careers because of illness or family circumstances. The K01 award is also available to promote research workforce diversity by providing enhanced research career development opportunities.
Amount: varies
LOI: N/A
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-087.html
Key Words**: Health Services Research**

Methodology, Measurement, and Statistics (MMS)

NSF 08-561
NSF
The MMS Program seeks proposals that are methodologically innovative, grounded in theory, and have potential utility for multiple fields within the social, behavioral, and economic sciences. Successful proposals often integrate across the following areas: The development, application, and extension of formal models and methodology for social and behavioral research, including methods for improving measurement. The proposed research must have implications for one or more of the social and behavioral sciences. The development of formal models that cross traditional disciplinary boundaries, including research on statistical methodology or statistical modeling having direct implications for one or more of the social and behavioral sciences. Research on methodological aspects of new or existing procedures for data collection, including methodology for survey research, and research to evaluate or compare existing data bases and data collection procedures. The collection of unique databases with cross disciplinary implications, especially when paired with developments in measurement or methodology. The organizational infrastructure of social and behavioral research.
Amount: varies
LOI: N/R
Deadline: August 16, annually; January 16, annually
To learn more**:** http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08561
Key Words**: Statistical Surveys, Mental Health Assessment**

Science, Technology, and Society

NSF 08-553

NSF
STS considers proposals that examine historical, philosophical, and sociological questions that arise in connection with science, engineering, and technology, and their respective interactions with society. [STS has four components: 1. Ethics and Values in Science, Engineering and Technology (EVS), 2. History and Philosophy of Science, Engineering and Technology (HPS), 3. Social Studies of Science, Engineering and Technology (SSS), and 4. Studies of Policy, Science, Engineering and Technology (SPS).]

Amount: The maximum award (indirect costs excluded) is normally $180,000
multiple funding levels available, including summer research programs
LOI: N/R
Deadline: February 1 annually; August 1 annually
To learn more: http://www.nsf.gov/pubs/2008/nsf08553/nsf08553.htm?govDel=USNSF_25
Key Words:

NLM Express Research Grant in Biomedical Informatics (R01)
PAR-08-080
NIH, NLM (National Library of Medicine)
The National Library of Medicine supports research grants that advance the sciences of biomedical informatics and bioinformatics. Informatics is concerned with the optimal management of information, and in practice is usually located at the intersection of computer and information sciences with an application domain such as health care, public health, basic biomedical research or clinical translational research.
Amount: varies
LOI: N/R
Deadline: multiple dates, see announcement
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-080.html
Key Words:

Epidemiology of Drug Abuse (R01)
PA-08-124
NIH
This funding opportunity announcement (FOA) encourages Research Project Grant (R01) proposals to expand the application of drug abuse epidemiologic research focused on understanding the nature, extent, consequences, and etiology of drug abuse across individuals, families, age groups, gender, communities, and population groups.
Amount: unspecified
LOI: N/R
Deadline: May 7, 2011
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-124.html
Key Words:

ELSI Regular Research Program (R01)
PA-08-012
NIH
This Funding Opportunity Announcement (FOA) issued by the National Human Genome Research Institute, National Institutes of Health, encourages Research Program Grant (R01) applications from institutions/organizations that propose to study the ethical, legal and social implications (ELSI) of human genome research.
Amount: unspecified
LOI: N/R
Deadline: multiple dates, see announcement
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-012.html
Key Words:

ELSI Small Research Program (R03)
PA-08-013
NIH
This Funding Opportunity Announcement (FOA) issued by the National Human Genome Research Institute, National Institutes of Health, encourages Small Research Grant (R03) applications from institutions/organizations that propose to study the ethical, legal and social implications (ELSI) of human genome research. This announcement is specifically designed to: 1) encourage the development of small, focused research projects by legal, historical, ethics, humanities, social sciences and behavioral scholars; 2) support exploratory studies that may provide preliminary findings or pilot data for larger research proposals; 3) support the secondary analysis

of existing data; 4) support the development of new methodologies; and 5) stimulate and facilitate the entry of promising new investigators into ELSI Research.
Amount: $100,000 over 2 years
LOI: N/R
Deadline: multiple dates, see announcement
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-013.html
Key Words:

Decision Making in Cancer: Single-Event Decisions (R01) [PA-08-063] and (R21) [PA-08-064]
PA-08-063 and PA-08-064
NIH
The purpose of this Funding Opportunity Announcement (FOA) is to invite applications for research projects that will enhance understanding of human decision-making processes so that individuals can make more informed and satisfying choices regarding their health. The NCI encourages collaborations between researchers studying the processes of basic judgment and decision-making and researchers conducting cancer control investigations that will elucidate single-event decision-making processes, at the level of either the individual patient or health care provider. These decision-making processes are pertinent to cancer prevention, detection, treatment, survivorship, or end-of-life care. For the purpose of this initiative, a single-event decision is defined as a discrete decision made at a specific point in time.
Amount: varies
LOI: N/R
Deadline: continuous; see listing
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-063.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-064.html
Key Words:

Research on the Economics of Diet, Activity and Energy Balance (R21) [PA-08-077] and (R01) [PA-08-078]
PA-08-077 and PA-08-078
NIH
This Funding Opportunity Announcement (FOA) is intended to make funding opportunities in the area of energy balance (i.e., the relationship between diet, physical activity, and body composition) known to researchers with expertise and experience in health economics, health services, and econometric modeling including multi-level analyses who otherwise might not be aware of the opportunity to apply their disciplines to this area of research. Obesity has become a major focus of public health efforts at the national, State, and local levels. The major focus of this FOA is to solicit projects that enhance the state-of-the-science on the causes of obesity and to inform Federal decision making on effective public health interventions for reducing the rate of obesity in the United States. Especially, this FOA aims to promote collaborative activities between researchers trained in economics and researchers specializing in public health, cancer, cardiovascular diseases and other chronic diseases
Amount: $275,000 over an R21 two-year period
LOI: N/R
Deadline: multiple
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-077.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-078.html
Key Words:

Genetic Susceptibility and Variability of Human Structural Birth Defects (R01)
PA-08-011
NICHHD, NIDCR, NIEHS
This Funding Opportunity Announcement (FOA) encourages innovative investigator-initiated applications designed to study fundamental developmental processes using animal models in conjunction with translational/clinical approaches with the goal of advancing our understanding of the etiology of structural birth defects. In 2000, the Developmental Biology, Genetics and Teratology Branch at NICHD began its Birth Defects Initiative with the funding of a number of research grants and program projects focused on the use of molecular genetic approaches for the study of genetic susceptibility, epidemiology, and developmental biology of human congenital structural malformations. These grants established the basis for a working group of investigators, who meet annually to present research updates, share ideas and technical advances, establish new collaborations, and provide input and advice to NICHD staff. Applicants funded through this FOA will join the NICHD's Birth Defects Special Interest Group and participate in annual meetings designed to provide a forum to discuss research progress, exchange ideas, share resources, and foster collaborations relevant to the goals of the NICHD's Birth Defects Initiative.
Amount: unspecified
LOI: N/R
Deadline: Multiple dates, see announcement
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-011.html
Key Words:

NCI Transition Career Development Award to Promote Diversity (K22)
PAR-08-047
NCI
This Funding Opportunity Announcement (FOA) represents the continuation of an NCI program to make possible the diversification of the cancer research workforce via facilitation of the transition of investigators from minority groups underrepresented in biomedical research, primarily those with clinical doctoral degrees as well as those with doctoral degrees working in the areas of cancer prevention, control, behavioral, or population science research, from the mentored stage of career development in academic cancer research to the independent stage. This goal is achieved by providing protected time through salary and research support for 3 years to: postdoctoral individuals or junior faculty in mentored positions transitioning into their first independent position; and investigators within the first 2 years of their first independent cancer research position, to initiate and develop their independently-supported cancer research programs.
Amount: 3 years of salary (up to $75,000 per annum plus fringe benefits) and research support up to $50,000 per annum.
LOI: N/R
Deadline: multiple, see listing
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-047.html
Key Words**:**

Behavioral Systems
PD 07-7472
National Science Foundation (NSF)
Directorate for Biological Sciences (BIO)
Division of Integrative Organismal Systems (IOS)
The Behavioral Systems Cluster supports research on the development, function, mechanisms, and evolutionary history of behavior, with emphasis on a vertically integrated understanding of the behavioral phenotype in nature. To foster this integrative goal, the Cluster specifically encourages projects that seek to understand how combinations of neural, hormonal, physiological, and developmental mechanisms act synergistically as a system from which behavior emerges. Laboratory work or the study of animals in captivity is encouraged, to the extent that it contributes to the understanding of behavior in natural systems.
Amount: $140,000
LOI: N/R
Deadline: January 12; July 12; Annually
To learn more**:** http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501086
Key Words**: Behavioral Phenotype, Behavior, Evolutionary Biology**

Research On Ethical Issues In Human Subjects Research (R03), (R21), and (R01)
PA-06-367 and PA-06-368 and PA-07-277
National Institutes of Health (NIH), multiple agencies
The National Institutes of Health (NIH) invites research grant applications to investigate ethical issues in human subjects research.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-06-367.html and http://grants.nih.gov/grants/guide/pa-files/PA-06-368.html and http://grants.nih.gov/grants/guide/pa-files/PA-07-277.html

Key Words**: Ethics, Human Subjects**

Behavioral and Social Science Research on Understanding and Reducing Health Disparities (R01) and (R21)
PAR-10-136 and PAR-10-137
National Institutes of Health (NIH)
Office of Behavioral and Social Sciences Research (OBSSR)
multiple other institutes
To encourage behavioral and social science research on the causes and solutions to health and disabilities disparities in the U. S. population. Health disparities between, on the one hand, racial/ethnic populations, lower socioeconomic classes, and rural residents and, on the other hand, the overall U.S. population are major public health concerns. Emphasis is placed on research in and among three broad areas of action: 1) public policy, 2) health care, and 3) disease/disability prevention. Particular attention is given to reducing "health gaps" among groups. Proposals that utilize an interdisciplinary approach, investigate multiple levels of analysis, incorporate a life-course perspective, and/or employ innovative methods such as system science or community-based participatory research are particularly encouraged.
Amount: varies

LOI: August 14, 2010, December 11, 2010, April 11, 2011, August 14, 2011, December 11, 2011, April 11, 2012, August 14, 2012, December 14, 2012, April 11, 2013
Deadline: September 14, 2010, January 11, 2011, May 11, 2011, September 14, 2011, January 11, 2012, May 11, 2012, September 14, 2012, January 14, 2013, May 11, 2013
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-136.html and http://grants.nih.gov/grants/guide/pa-files/PAR-10-137.html
Key Words: **Health Disparities**

International Research Ethics Education and Curriculum Development Award (R25)
PAR-10-174
National Institutes of Health (NIH)
multiple institutes
This FOA issued by the Fogarty International Center (FIC) at the National Institutes of Health (NIH), in collaboration with National Institute of Allergy and Infectious Diseases (NIAID),National Institute of Mental Health (NIMH), National Human Genome Research Institute (NHGRI), Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) and National Institute of Biomedical Imaging and Bioengineering (NIBIB), requests Research Education Grant (R25) applications from institutions/organizations that propose to develop masters level curricula and provide educational opportunities for developing country academics, researchers and health professionals in ethics related to performing research involving human subjects in international resource poor settings.
Amount: $230,000
LOI: 2010, April 10, 2011, April 10, 2012
Deadline: May 10, 2011, May 10, 2012
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-174.html
Key Words:

Social Network Analysis and Health (R01) and (R21)
PAR-10-145 and PAR-10-146
National Institutes of Health (NIH)
multiple institutes
This FOA encourages research that aims to accomplish one or more specific goals: (1) generate new theories that would enhance the capabilities and value of Social Network Analysis (SNA); (2) address fundamental questions about social interactions and processes in social networks; (3) address fundamental questions about social networks in relation to health and health-related behaviors; (4) develop innovative methodologies and technologies to facilitate, improve, and expand the capabilities of SNA.
Amount: varies
LOI: April 11, 2011; April 11, 2012
Deadline: 2010; May 11, 2011; May 11, 2012
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-145.html and http://grants.nih.gov/grants/guide/pa-files/PAR-10-146.html
Key Words: **Social Network Analysis**

NIH Small Research Grant Program (Parent R03)
PA-10-064
National Institutes of Health (NIH)
multiple institutes
The National Institutes of Health (NIH) Investigator-Initiated Small Grant (R03) funding opportunity supports small research projects that can be carried out in a short period of time with limited resources. Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigator's area of interest and competency. All investigator-initiated small grant applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests. Investigators are strongly encouraged to consult the list of participating ICs and special research interests. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.
Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-064.html
Key Words: **Genome Research, Drug Abuse, Aging, Child Health and Development, Nursing**

Research On Ethical Issues In Human Subjects Research (R03), (R21), and (R01)
PA-06-367, PA-06-368, and PA-07-277
National Institutes of Health (NIH)
multiple institutes
The National Institutes of Health (NIH) invites research grant applications to investigate ethical issues in human subjects research.
Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-06-367.html and http://grants.nih.gov/grants/guide/pa-files/PA-06-368.html and http://grants.nih.gov/grants/guide/pa-files/PA-07-277.html
Key Words**:**

Independent Scientist in Global Health Award (ISGHA) (K02)
PAR-10-065
National Institutes of Health (NIH)
Fogarty International Center (FIC)
The purpose of the Independent Scientist Award in Global Health (K02) is to foster the development of outstanding scientists and enable them to expand their potential to make significant contributions to their field of research in global health. The K02 award provides three, four, or five years of research and salary support, and "protected time" for newly independent scientists who can demonstrate the need for a period of intensive research focus as a means of enhancing their research careers. Each independent scientist career award program must be tailored to meet the individual needs of the candidate.
Amount: varies
LOI: N/R
Deadline: March 1, 2011; March 1, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-065.html
Key Words**: Global Health**

Understanding and Promoting Health Literacy (R01) and (R03) and (R21)
PAR–10-133 and PAR–10-134 and PAR–10-135
National Institutes of Health (NIH)
Agency for Healthcare Research and Quality (AHRQ)
multiple institutes
The ultimate goal of this program announcement is to encourage empirical research on health literacy concepts, theory and interventions as these relate to the U.S. Department of Health and Human Services' public health priorities that are outlined in its Healthy People initiative. Health literacy is defined as the degree to which individuals have the capacity to obtain, process, and understand basic health information and services needed to make appropriate health decisions.
Mechanism of Support. This FOA will utilize the R01 grant mechanism and runs in parallel with FOAs of identical scientific scope, PAR-10-134 that encourages applications under the R03 grant mechanism, and PAR-10-135, that encourages applications under the R21 grant mechanism.
Amount: varies
LOI: 30 days before application due date
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-133.html and http://grants.nih.gov/grants/guide/pa-files/PAR-10-134.html and http://grants.nih.gov/grants/guide/pa-files/PAR-10-135.html
Key Words**: Health Literacy**

Integrating Biobehavioral and Sociocultural Research to Prevent HIV Transmission and Infection [(R01) PA-08-188] and [(R21) PA-08-189]
PA-08-188 and PA-08-189
National Institutes of Health (NIH)
This funding opportunity announcement (FOA) solicits Research Project (R01) grant applications from applicant organizations to develop theoretically grounded approaches to prevention of HIV infection and transmission that incorporate biobehavioral approaches in studies that are culturally appropriate. Biobehavioral approaches may be biomedical, or they may consist of behavioral interventions using biological markers of efficacy. Intervention and pre-intervention studies are welcomed, but descriptive ethnographic and epidemiological research is still needed in some areas. For example, descriptive research may delineate the impact of cultural variables on behaviors that impede or promote biological markers (e.g., seroconversion), lead to a better understanding of ethical concerns in biomedical preventive studies, or may illuminate as yet unrecognized issues concerned with adherence to a prevention interventions. Intervention studies should evaluate the efficacy of biomedical interventions, or of behavioral interventions that also use biological variables, in light of the sociocultural context.
Amount: $100,000

LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-188.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-189.html
Key Words: **HIV, AIDS, Epidemiology**

Health Services Research on the Prevention and Treatment of Drug and Alcohol Abuse [(R01) PA-08-263] and [(R21) PA-08-264] and [(R03) PA-08-265

PA-08-263 and PA-08-264 or PA-08-265
National Institutes of Health (NIH)
This Funding Opportunity Announcement (FOA) issued by the National Institute on Drug Abuse (NIDA) and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) encourages Research Project Grant (R01) applications on health services research to improve the quality of prevention and treatment services for drug and alcohol abuse. Such research projects might emphasize any of the following subjects: (1) clinical quality improvement; (2) organizational/managerial quality improvement; (3) systems of care and collaborative research; or (4) development or improvement of research methodology, analytic approaches, and measurement instrumentation used in the study of drug and alcohol services. -Mechanism of Support. This FOA will utilize the NIH Research Project Grant (R01) award mechanism and runs in parallel with FOAs of identical scientific scope, PA-08-264 and PA-08-265 that encourage applications under the Exploratory/Developmental Grant (R21) and Small Research Grant (R03) award mechanisms, respectively.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-263.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-264.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-265.html
Key Words: **Drug Addiction, Treatment Plans, Drug and Alcohol Services**

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) - PA-06-468/PA-08-226

PA-06-468/PA-08-226
National Institutes of Health (NIH)
The objective of the National Research Service Award (NRSA) program is to provide predoctoral and postdoctoral research training opportunities for individuals interested in pursuing research careers in biomedical, behavioral and clinical research. Each NIH Institute and Center has a unique scientific purview and different program goals and initiatives that evolve over time. It is therefore critical that all applicants consult with the scientific/research contact at the relevant NIH Institute or Center for current information about program priorities and policies before preparing an application. This action is of utmost importance because applications with marginal or no relevance to the NIH awarding components participating in this funding opportunity announcement will not be accepted for review or considered for funding.
Amount: varies
LOI: N/R
Deadline: Jan 25 annually; May 25 annually
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-226.html
Key Words: **Alcohol or Alcoholism, Allergy, Alternative Medicine, Arthritis, Biomedical Research (Multidisciplinary), Blood Diseases, Cancer or Carcinogenesis, Cardiovascular Diseases, Deafness, Diabetes, Digestive Diseases and Disorders, Drug Abuse Prevention, Environmental Health, Eye Diseases, Genomics, Geriatrics, Infectious Diseases or Agents, Internal Medicine, Mental Health, Musculoskeletal Diseases, Neurological Disorders, Nursing Education, Nutrition or Dietetics, Pediatrics, Pulmonary Diseases, Respiratory Diseases, Substance Abuse**

Genetic Epidemiology of Substance Use Disorders (R03)

PA-07-414
National Institutes of Health (NIH)
The National Institute on Drug Abuse (NIDA) and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) seek to stimulate and expand research applying genetic epidemiologic methods to studies of substance and alcohol use disorders (SUDs/AUD, drug or alcohol abuse and dependence). Previous studies using twin, adoption, and family approaches indicate that genetic factors substantially contribute to the vulnerability to SUDs/AUD. Shared environmental factors have also been shown strongly to influence risk, particularly for the onset of substance and alcohol use, while heritability estimates generally rise with age and with progression from substance use to disorder. Significant advances have been made in our understanding of the developmental nature of the onset and progression of SUDs/AUD and in defining a disinhibited phenotype. Building on these findings, new studies are needed to apply genetic epidemiologic approaches to advance our understanding of a variety of developmental trajectories of SUD/AUD; integrate as well as differentiate genetic, environmental, and developmental factors in the onset and maintenance of SUD/AUD; broaden and refine phenotypic definitions of SUDs/AUD; guide the translation of etiologic findings to treatment, prevention, gene-finding and molecular studies; and meet the methodologic challenges of the field.
Amount: $100,000

LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants1.nih.gov/grants/guide/pa-files/PA-07-414.html
Key Words: **Addictions, Alcohol or Alcoholism, Alcoholism Prevention, Genetics, Substance Abuse, Substance Abuse Prevention**

Economics of Treatment and Prevention Services for Drug & Alcohol Abuse [(R03) PA-08-172] and [(R21) PA-08-173] and [(R01) PA-08-174]
PA-08-172 and PA-08-173 or PA-08-174
National Institute on Drug Abuse
National Institute on Alcohol Abuse and Alcoholism
This Funding Opportunity Announcement (FOA) issued by the National Institute on Drug Abuse (NIDA) and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) encourages Research Project Grant (R03) applications on the economics of prevention and treatment services for drug and alcohol abuse. Such research projects might emphasize any of the following subjects: (1) financing and purchasing of drug and alcohol treatment and prevention services, including studies of health insurance and payment mechanisms; (2) economic incentives used to improve the quality and economic efficiency of treatment and prevention services (3) alternative delivery systems and managed care; (4) cost-benefit, cost-effectiveness, or cost-utility analyses; (5) service costs, production, and economic efficiency; and (6) research to develop or improve methods to be used in the economic study of drug and alcohol services The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.
Amount: $50,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-172.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-173.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-174.html
Key Words: **Alcoholism, Epidemiology**

Accelerating the Pace of Drug Abuse Research Using Existing Epidemiology, Prevention, and Treatment Research Data (R01)
PAR-10-018
National Institute on Drug Abuse (NIDA)
National Cancer Institute (NCI)
Office of Behavioral and Social Science Research (OBSSR)
The National Institute on Drug Abuse (NIDA) and the National Cancer Institute (NCI) invite applications to support the innovative analysis of existing social science and behavioral data to study the etiology and epidemiology of drug using behaviors (defined as alcohol, tobacco, and other drug), HIV risk behaviors, related disorders, prevention and treatment of these behaviors, and health service utilization including quality, access, and costs. NIDA and NCI encourage coordinated analyses of substance abuse research data that are in public use or that are privately held by a principal investigator.
Amount: $450,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-018.html
Key Words: **Risk Behaviors**

Drug Abuse Prevention Intervention Research [(R01) PA-08-217] and [(R21) PA-08-218] and [(R03) PA-08-219]
PA-08-217 and PA-08-218 and PA-08-219
National Institute on Drug Abuse (NIDA)
The purpose of this FOA is to encourage Research Project Grant (R01) applications from institutions/organizations that propose to advance the science of drug abuse and drug-related HIV prevention through 1) the development of novel prevention approaches, 2) the testing of novel and adapted prevention intervention approaches 3) the elucidation of processes associated with the selection, adoption, adaptation, implementation, sustainability, and financing of empirically validated interventions, and 4) the development of new methodologies suitable for the design and analysis of prevention research studies. Programs of research are intended to provide pathways toward the discovery of population-level approaches for the prevention of drug abuse and dependence, drug-related problems (such as interpersonal violence, criminal involvement, and productivity loss), and drug related illness (such as comorbid drug and mental health problems or comorbid infections including HIV, hepatitis B, and hepatitis C).
Amount: varies
LOI: N/R
Deadline: Standard dates apply,

To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-217.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-218.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-219.html
Key Words: **Drug Abuse, Drug Dependence**

Pilot and Feasibility Studies in Preparation for Drug Abuse Prevention Trials (R34)
PA-09-146
National Institute on Drug Abuse (NIDA)
This FOA for R34 applications seeks to support: (a) pilot and/or feasibility testing of new, revised, or adapted preventive intervention approaches targeting the initiation of drug use, the progression to abuse or dependence, and the acquisition or transmission of HIV infection among diverse populations and settings; and (b) pre-trial feasibility testing for prevention services and systems research. The NIDA R34 mechanism does not support the development of intervention protocols, manuals, or the standardization of protocols. It is expected that research conducted via this R34 mechanism will consist of early stage efficacy, effectiveness or services research that will provide intervention pilot and/or feasibility data that is a pre-requisite for submitting larger drug abuse and/or drug-related HIV prevention intervention studies.
Amount: $450,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-146.html
Key Words: **Drug Use, Progression to Addiction**

Drug Abuse Dissertation Research: Epidemiology, Prevention, Treatment, Services, and/or Women and Sex/Gender Differences (R36)
PAR-10-020
National Institute on Drug Abuse (NIDA)
The purpose of this Funding Opportunity Announcement (FOA) is to invite applications for support of drug abuse doctoral dissertation research in epidemiology, prevention, treatment, services, and/or women and sex/gender differences.
Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-020.html
Key Words: **Drug Abuse**

Mechanism for Time-Sensitive Drug Abuse Research (R01)
PAR-10-072
National Institute on Drug Abuse (NIDA)
This Funding Opportunity Announcement (FOA) is issued by the National Institute on Drug Abuse (NIDA), National Institutes of Health (NIH). The FOA is intended to support substance abuse prevention and treatment services research in rapidly evolving areas (e.g., changes in service systems, health care financing, policy, natural/man-made disasters, etc) where opportunities for empirical study are, by their very nature, only available through expedited review and award of support. There are three distinguishing features of an eligible study: 1) the study's scientific value and feasibility are clear, 2) rapid review and funding are required in order for the scientific question to be answered, and 3) the knowledge gained from the study is time-sensitive and seeking funding through the regular NIH cycle of review and award would result in a missed opportunity to conduct the research. It should be clear that the research question offers an uncommon and scientifically significant research opportunity that could only become available if the project is initiated with minimum delay.
Amount: varies
LOI: 4 weeks prior to planned submission date
Deadline: September 10, 2010 December 9, 2010, March 9, 2011, June 9, 2011, September 9, 2011, December 9, 2011, March 9, 2012, June 8, 2012, September 10, 2012, December 10, 2012
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-072.html
Key Words: **Substance Abuse Prevention, Policy**

Drug Abuse Epidemiology and Services Research in Cooperation with the Clinical and Translational Science Awards Consortium (R01)
PAS-09-001
National Institute on Drug Abuse (NIDA)
Through this program announcement with set aside (PAS), the National Institute on Drug Abuse (NIDA) invites applicants to develop innovative drug abuse epidemiology or health services research in cooperation with academic centers supported through the NIH Clinical and Translational Science Awards (CTSA) consortium. A major NIH initiative, the CTSA consortium is transforming how clinical

and translational research is conducted, building an infrastructure for multidisciplinary researchers and clinicians to perform research and develop new treatments more efficiently. As a part of this infrastructure, CTSA sites have established partnerships with a range of clinical settings and have access to large, multi-generational population cohorts. These features of the CTSA sites offer a unique opportunity for researchers to integrate drug abuse epidemiology and health services research in these settings. Applicants are asked to propose innovative drug abuse research which builds upon the resources available at CTSA sites, resources which would include CTSA efforts to strengthen networks of clinical sites and to establish innovative information technologies, phenotyping systems, and biobanks. A broad range of drug abuse epidemiology and health services research areas will be supported under the auspices of this FOA.
Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAS-09-001.html
Key Words**: CTSA, Epidemiology, Drug Abuse Treatment**

Medications Development for Polydrug Addiction Treatment
[(R01) PAS-08-186] and [(R21) PAS-08-187]
PAS-08-186 and PAS-08-187
National Institute on Drug Abuse
The National Institute on Drug Abuse (NIDA) is seeking medication discovery and development research grant applications focused on the treatment of patients who are simultaneously addicted to multiple substances, including alcohol, tobacco, illicit drugs and/or prescription drugs. Novel proposals for clinical or preclinical testing of potential medications, as well as relevant animal model development and medicinal chemistry efforts are encouraged.
Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAS-08-186.html and http://grants.nih.gov/grants/guide/pa-files/PAS-08-187.html
Key Words**: Drug Abuse, Drug Development**

Senior Scientist Research and Mentorship Award (K05)
PA-09-076
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute on Drug Abuse (NIDA)
The Senior Scientist Research and Mentorship Award (K05) is intended to provide outstanding senior scientists protected time to focus on and enhance their research and to carry out mentoring of new investigators. Candidates for the Senior Scientist Research and Mentorship Award (K05) should be recognized leaders in the alcohol, or drug abuse, or related research fields who have demonstrated a sustained, high level of productivity and a distinguished record of original contributions in their field, and whose expertise and contributions to these research fields will continue to be critical to the missions of the NIAAA or NIDA. Each candidate must demonstrate both the need for protected time to further their field of research and a commitment to serve as a mentor to new investigators or junior faculty who are currently performing or will begin to perform alcohol, or drug abuse, or related research. Mentored investigators should have an independent, full-time appointment at their institution; this can be in either non-tenure or tenure-track positions.
Amount: up to $450,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-076.html
Key Words**: Alcohol abuse, Drug abuse**

Alcohol, Decision-Making, and Adolescent Brain Development (R01) and (R21)
PA-09-097
PA-09-096
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
This FOA issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Research Project grants (R01) applications from institutions/organizations that propose to study decision-making processes in adolescents as they relate to drinking behavior, and the role of neural circuitry development in adolescent decision-making and alcohol abuse and dependence.
Amount: unspecified
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-097.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-096.html
Key Words**: Alcoholism, Adolescent Behavior**

Multi-Component Youth/Young Adult Alcohol Prevention Trials (R01)
RFA-AA-11-001
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
This Funding Opportunity Announcement (FOA) invites research grant applications that will advance the science of alcohol prevention and treatment through evaluations of multicomponent community programs, with a specific focus on adolescents and young adults. It seeks proposals to test the relative effectiveness and costs of: (1) Community based programs comprised of environmental interventions to reduce underage and binge drinking among young adults and related harmful behaviors; (2) Community based programs that increase alcohol screening, brief intervention, and access to formal treatment for adolescents and young adults in multiple community settings (e.g. primary care, emergency departments, school- and work-based settings, and web-based venues); and (3) Programs that combine both strategies.
Amount: $2,500,000
LOI: November 2, 2010
Deadline: December 2, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-AA-11-001.html
Key Words**:**

Alcohol Use Disorders: Treatment, Services Research, and Recovery (R21)
PA-08-008
National Institute on Alcohol Abuse and Alcoholism
This Funding Opportunity Announcement (FOA), issued by the National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Institutes of Health (NIH), encourages Exploratory/Developmental (R21) grant applications from institutions/organizations that utilize innovative approaches to research on: behavioral and pharmacological treatment for alcohol use disorders; organizational, financial, and management factors that facilitate or inhibit the delivery of services for alcohol use disorders; and/or on the phenomenon of recovery from alcohol use disorders.(NIH), encourages Exploratory/Developmental (R21) grant applications from institutions/organizations that utilize innovative approaches to research on: behavioral and pharmacological treatment for alcohol use disorders; organizational, financial, and management factors that facilitate or inhibit the delivery of services for alcohol use disorders; and/or on the phenomenon of recovery from alcohol use disorders.
Amount: $275,000
LOI: N/R
Deadline: Multiple dates, see announcement
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-008.html
Key Words**:**

Promoting Careers in Aging and Health Disparities Research (K01)
PAR-09-136
National Institute on Aging (NIA)
The purpose of this F0A, "Promoting Careers In Aging and Health Disparities Research (K01)" is to provide support and protected time to eligible individuals who have been determined by the grantee institution to be committed to a career in health disparities research related to aging and who are members of or knowledgeable about health disparity population groups. Nationally, health disparity population groups include but are not limited to African Americans, Hispanic Americans, American Indians/Alaska Natives, Native Hawaiians, Pacific Islanders, the medically underserved, low socioeconomic populations and rural populations.
Amount: $750,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-136.html
Key Words**: Aging, Community Health, Rural Health, Health Disparities**

Secondary Analyses of Social and Behavioral Datasets in Aging (R03)
PA-10-139
National Institute on Aging (NIA)
This Funding Opportunity Announcement (FOA), issued by the National Institute on Aging (NIA), is seeking small grant (R03) applications to conduct secondary analysis of social and behavioral data in aging. Specifically, NIA seeks applicants to: 1) stimulate and facilitate secondary analysis of data related to dynamics of health and disability, cognition, psychosocial and sociodemographic factors, genetics, and biomarkers, long term care, caregiving, behavioral medicine, retirement, economic status; 2) provide support for preliminary projects using secondary analysis that could lead to subsequent applications for other research grant award mechanisms; 3) provide support for analyses of new databases and experimental modules for purposes such as informing the design and content of future study waves; and 4) provide support for pilot research on under-utilized databases.
Amount: $100,000

LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-139.html
Key Words: **Aging, Secondary Analysis, Existing Databases**

Countermeasures Against Chemical Threats (CounterACT) Exploratory/Developmental Projects in Translational Research (R21)

PAR-10-019
National Institute of Neurological Disorders and Stroke (NINDS)
National Eye Institute (NEI)
National Institute of Allergy and Infectious Diseases (NIAID)
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)
National Institute of
This Funding Opportunity Announcement (FOA) requests applications for exploratory/developmental translational research on therapeutics for reducing mortality and morbidity caused by acute exposures to chemical threat agents. Chemical threats include traditional chemical warfare nerve agents such as sarin and VX, toxic industrial chemicals such as cyanide and chlorine, and toxic agricultural chemicals such as parathion and sodium fluoroacetate. Projects supported by this FOA are expected to generate preliminary data that would enable the development of competitive applications for more extensive support from the NIH CounterACT program (see www.ninds.nih.gov/counteract for a description) and other related research and development programs.
Amount: $500,000
LOI: January 4, 2011, 2012
Deadline: February 1, 2011, 2012
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-019.html
Key Words: **Chemical Threat, Warfare Agents, Counter Measures**

Dissemination and Implementation Research in Health (R01), (R03) and (R21)

PAR-10-038 and PAR-10-039 and PAR-10-040
National Institute of Mental Health (NIMH)
National Cancer Institute (NCI)
National Heart, Lung, and Blood Institute (NHLBI)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Allergy and Infectious Diseases (NIAID)
National
This Funding Opportunity Announcement (FOA) encourages investigators to submit research grant applications that will identify, develop, and refine effective and efficient methods, structures, and strategies to disseminate and implement research-tested health behavior change interventions and evidence-based prevention, early detection, diagnostic, treatment, and quality of life improvement services into public health and clinical practice settings.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-038.html and http://grants.nih.gov/grants/guide/pa-files/PAR-10-039.html and http://grants.nih.gov/grants/guide/pa-files/PAR-10-040.html
Key Words: **Health Behavior Change/Intervention**

Interventions And Practice Research Infrastructure Program (IP-RISP) (R24)

PAR-06-441
National Institute of Mental Health (NIMH)
The National Institute of Mental Health (NIMH) seeks research partnerships between community-based, clinical/services settings and research institutions to enhance the national capacity to conduct research that will inform mental health services research science, service delivery, program dissemination and implementation, and mental health policy. The IP-RISP seeks to foster an active, synergistic partnership between mental health researchers and community-based, clinical/services staff, clinicians and patients/clients to: (1) advance our knowledge about developing research infrastructure in community settings and the establishment of collaborative partnerships; (2) identify and incorporate those factors (e.g., organizational, sociocultural, interpersonal) in community settings that may be associated with quality care and optimal outcomes for patients and clients; and (3) plan, test, and implement services research interventions (treatment, rehabilitative, and preventive) in community settings.
Amount: varies up to $500,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-06-441.html
Key Words: **Community Based Research**

Short Courses on Mathematical, Statistical, and Computational Tools for Studying Biological Systems (R25)
PA-09-002
National Institute of General Medical Sciences (NIGMS)
National Center for Complementary and Alternative Medicine (NCCAM)
National Institute on Aging (NIA)
National Institute of Mental Health
This FOA issued by the National Institute of General Medical Sciences, the National Center for Complementary and Alternative Medicine, the National Institute on Aging and the National Institute of Mental Health encourages applications for Research Education Grants (R25) from institutions and organizations to conduct workshops and short courses to improve integration of mathematical, statistical, and computational approaches into biological and/or behavioral research. Support will be limited to activities that reach a wide audience of researchers. The program announcement is NOT intended for university course or curriculum development.
Amount: $1,000,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-002.html
Key Words**: Statistical Analysis, Behavioral Research, Computational Analysis**

Request for Information (RFI): Priorities for Transgenerational Research
NOT-ES-10-010
National Institute of Environmental Health Sciences (NIEHS)
National Toxicology Program (NTP)
National Institute of Environmental Health Sciences (NIEHS) Division of Extramural Research and Training (DERT)
The NIEHS is seeking input from the scientific community, health professionals, patient advocates, community-based organizations, students, and the general public about current and emerging priorities in transgenerational (TG) research that offer the greatest potential for improving the nation's health and well-being. This input will inform the NIEHS' strategic planning process and help the NIEHS meet its mission of pursuing opportunities for improving the environmental health of the American people.
Amount:
LOI:
Deadline: Response Date June 30, 2010
To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-ES-10-010.html
Key Words**:**

Short Term Career Development Award in the Environmental Health Sciences for Established Investigators (K18)
PAR-09-090
National Institute of Environmental Health Sciences (NIEHS)
The purpose of these short term career development awards is to allow established, well funded clinician investigators to expand research programs to answer questions relevant to the environmental health sciences, and to provide established environmental health sciences research investigators the tools to expand their efforts to translational research.
Amount: varies
LOI: N/A
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-090.html
Key Words**: Environmental Health Sciences**

Mechanism for Time-Sensitive Research Opportunities in Environmental Health Sciences (R03) and (R21)
PAR-10-083 and PAR-10-084
National Institute of Environmental Health Sciences (NIEHS)
This funding opportunity announcement (FOA) is intended to support research in which an unpredictable opportunity has arisen to collect human or animal biosample baseline or exposure data (e.g., following natural or made-made disasters, health care policy changes; etc). The distinctive element of the project should be the need for empirical study for a situation that was not foreseeable and is achievable only if begun within a short time frame.
Amount: $100,000-$275,000
LOI: Monthly throughout the open period; see announcement
Deadline: Monthly throughout the open period; see announcement
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-083.html and http://grants.nih.gov/grants/guide/pa-files/PAR-10-084.html

Key Words**: Environmental Health**

Health Disparities in NIDDK Diseases (R01)

PA-09-262
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Institute of Nursing Research (NINR)
The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the National Institute of Nursing Research (NINR) of the National Institutes of Health (NIH) seek research to understand and mitigate issues of health disparities in high priority diseases within their scope, including diabetes, obesity, nutrition-related disorders, hepatitis C, gallbladder disease, H. Pylori infection, sickle cell disease, kidney diseases, urologic diseases, hematologic diseases, metabolic, gastrointestinal, hepatic, and renal complications from infection with HIV.NINR promotes and improves the health of individuals, families, communities, and populations, supports and conducts clinical and basic research and research training on health and illness across the lifespan.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-262.html
Key Words**: Diabetes, Health Disparities, Nursing, Clinical and Basic Research**

Home and Family Based Approaches for the Prevention or Management of Overweight or Obesity in Early Childhood (R21) and (R01)

PA-10-128 and PA-10-127
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Heart, Lung and Blood Institute (NHLBI)
Office of Behavioral and Social Sciences Research (OBSSR)
Office of Disease Prevention (ODP)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Heart, Lung and Blood Institute (NHLBI), the Office of Behavioral and Social Sciences Research (OBSSR) and the Office of Disease Prevention (ODP), National Institutes of Health, invites exploratory pilot/feasibility study and small clinical trial (R21) applications from institutions/organizations that propose to test novel home or family based interventions for the prevention or management of overweight in infancy and early childhood. Tested interventions can use behavioral (including dietary and physical activity), environmental, or other relevant approaches. Applications should focus on infants and young children (to age six years) and emphasize the role of home environment and the influence of family/extended family members and parents (including guardians/substantial care-providers) within the childs home environment. The direct goal of this initiative is to fund research that will advance knowledge for innovative approaches to the prevention or management of overweight in children less than 6 years of age, with potential for future research clinical trial applications either in the home or linked to a community setting. Research should consider the role of families in the initiation, support, and reinforcement of fundamental food and beverage consumption, physical activity practices, and sedentary behaviors. In addition it is of interest to elucidate various underlying behavioral determinants that are crucial to initiate or sustain changes in behaviors that impact energy balance. Research designs may include linkages with other settings (e.g., daycare, pre-school, or other community venues) or other care providers (e.g., health care providers or teachers) but must include infants or children less than age six years as the primary study participant along with parents, and/or other family members residing with the child. The overarching goal is to identify interventions that influence parent and child behaviors that contribute to inappropriate weight gain, and thereby improve subsequent health status in childhood, adolescence, and adulthood for which overweight is a known risk factor.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-128.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-127.html
Key Words**: Obesity**

NIDCR Small Research Grants for Data Analysis and Statistical Methodology (R03)

PAR-09-182
National Institute of Dental and Craniofacial Research (NIDCR),
The goal of this funding opportunity announcement (FOA) is to support meritorious research projects that involve secondary data analyses or statistical methodology using existing dental or craniofacial database resources.
Amount: $200,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-182.html
Key Words**: Dentistry, Database, Statistical Analysis**

Mentored Research Scientist Development Award (K01)
PAR-10-132
National Institute for Occupational Safety and Health (NIOSH)
The goal of the NIOSH Mentored Research Scientist Development Award (K01) is to help ensure the availability of adequate numbers of highly trained scientists to address occupational health and safety and to provide new occupational health and safety scientists and educators with appropriate mentoring. The purpose of the K01 is to provide support and 75% "protected time" for an intensive, supervised career development experience in occupational health and safety research leading to research independence.
Amount: $300,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-132.html
Key Words**: Occupational Health and Safety**

NIOSH Exploratory and/or Developmental Grant Program (R21) and (R01) and (R03)
PAR-09-139
National Institute for Occupational Safety and Health (NIOSH)
The purpose of this grants program is to develop an understanding of the risks and conditions that are associated with occupational diseases and injuries, to explore methods for reducing risks and for preventing or minimizing exposure to hazardous conditions in the workplace, and to translate significant scientific findings into prevention practices and products that will effectively reduce work-related illnesses and injuries.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-139.html
Key Words**: Occupational Disease and Injury**

NIOSH Small Research Grant Program (R03) and (R21) and (R01)
PAR-09-138
National Institute for Occupational Safety and Health (NIOSH)
The purpose of this grants program is to develop an understanding of the risks and conditions that are associated with occupational diseases and injuries, to explore methods for reducing risks and for preventing or minimizing exposure to hazardous conditions in the workplace, and to translate significant scientific findings into prevention practices and products that will effectively reduce work-related illnesses and injuries. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-138.html
Key Words**: Occupational Health, Workplace Safety**

Small Grants for Behavioral Research in Cancer Control (R03)
PA-09-003
National Cancer Institute (NCI)
National Institute of Nursing Research (NINR)
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI) and the National Institute of Nursing Research (NINR), at the National Institutes of Health (NIH), is intended to provide support for either new investigators in cancer-related behavioral research, or investigators who want to refocus their research interests toward behavioral research in cancer control. The program is designed to facilitate the growth of a nationwide cohort of scientists with research experience in behavioral cancer control and design of public health interventions. Preliminary data for the proposed projects are not required. Overarching goals are to: (1) encourage new investigators to enter the field of behavioral research in cancer control and initiate their long-term career development aimed at becoming independent investigators in the field, and (2) support research on transfer of behavioral science knowledge into cancer control practice.
Amount: $100,000
LOI: N/R
Deadline: August 20, 2010; December 20, 2010; April 20, 2011; August 22, 2011; December 20, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-003.html
Key Words**: Cancer, Cancer Prevention, Cancer Control**

Improving Diet and Physical Activity Assessment (R01)
PAR-09-224
National Cancer Institute (NCI)
National Heart, Lung, and Blood Institute (NHLBI)
National Institute on Aging (NIA)
National Institute of Child Health and Human Development (NICHD)
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), the National Heart, Lung, and Blood Institute (NHLBI), the National Institute on Aging (NIA), the National Institute of Child Health and Human Development (NICHD), the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Institute of Nursing Research (NINR), and the National Institutes of Health (NIH) Office of the Director (OD) Office of Dietary Supplements (ODS), encourages innovative research to enhance the quality of measurements of dietary intake and physical activity. Applications submitted under this FOA may include development of: novel assessment approaches; better methods to evaluate instruments; assessment tools for culturally diverse populations or various age groups, including older adults; improved technology or applications of existing technology; statistical methods to assess or correct for measurement errors or biases, methods to investigate the multidimensionality of diet and physical activity behavior through pattern analysis; or integrated measurement of diet and physical activity along with the environmental context of such behaviors.
Amount: varies
LOI: January 5, 2011; September 5, 2011; May 5, 2012
Deadline: February 5, 2011; October 5, 2011; June 5, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-224.html
Key Words**: Obesity, Physical Activity**

Obesity Policy Research: Evaluation and Measures (R01), (R21) and (R03)
PA-10-027 and PA-10-028 and PA-10-029
National Cancer Institute (NCI)
National Heart, Lung, and Blood Institute (NHLBI)
National Institute of Child Health and Human Development (NICHD)
Office of Behavioral and Social Sciences Research (OBSSR)
National Center for Chronic Disease Prevention and
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), National Heart, Lung, and Blood Institute (NHLBI), Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD),Office of Behavioral and Social Sciences Research (OBSSR), NIH, and the National Center for Chronic Disease Prevention and Health Promotion, CDC, encourages Exploratory/Developmental Grant (R21) applications that propose to: (1) conduct evaluation research on obesity-related "natural experiments" (defined here as community and other population-level public policy interventions that may affect diet and physical activity behavior), and/or (2) develop and/or validate relevant community-level measures (instruments and methodologies to assess the food and physical activity environments at the community level). The overarching goal of this FOA is to inform public policy and research relevant to (1) diet and physical activity behavior, and (2) weight and health outcomes of Americans. The R21 grant mechanism is intended to encourage exploratory/developmental research by providing support for the early and conceptual stages of project development.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-028.html
Key Words**: Obesity, Public Policy**

Impact of Health Communication Strategies on Dietary Behaviors
[(R21) PA-08-240] and [(R01) PA-08-241]
PA-08-240 and PA-08-241
National Cancer Institute (NCI)
National Heart, Lung, and Blood Institute (NHLBI)
National Institute of Child Health and Human Development (NICHD)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Office of Behavioral and Social Sciences Research
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), the National Heart, Lung, and Blood Institute (NHLBI), the National Institute of Child Health and Human Development (NICHD), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), the Office of Behavioral and Social Sciences Research (OBSSR), the NIH-Office of Disease Prevention (ODP), the Office of Dietary Supplements (ODS), the U.S. Food and Drug Administration (FDA), and the Centers for Disease Control and Prevention (CDC), encourages applications for research projects focused on the development and implementation of effective communication strategies related to diet and health. Specifically, this FOA is designed to promote interdisciplinary research, conducted

at multiple levels (e.g., individual, community/environment, and policy) and across diverse populations, to evaluate effective communication approaches for changing dietary behaviors.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-240.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-241.html
Key Words: **Nutrition, Communication**

State and Community Tobacco Control Policy and Media Research (U01)
RFA-CA-10-008
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), solicits cooperative agreement (U01) applications for research projects to investigate the effectiveness of the State and community tobacco control policy and media interventions. Focal areas include secondhand smoke policies, tax and pricing policies, tobacco industry marketing and promotion, mass media countermeasures, and community and social norms. The proposed projects may address tobacco use and exposure in any form in the United States and may involve both observational and intervention studies. In addition, this FOA also solicits separate cooperative agreement applications for a Coordinating Center for this program. The Coordinating Center will provide the necessary scientific leadership and administrative framework to facilitate interactive and integrative collaboration and communication among the awardees of individual Research Projects to be funded by this initiative and between the awardees and NCI staff.
Amount: $8,500,000
LOI: December 22, 2009
Deadline: January 22, 2011
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-10-008.html
Key Words: **Smoking Policy, Tobacco Use**

Understanding the Effects of Emerging Cellular, Molecular, and Genomic Technologies on Cancer Health Care Delivery
[(R01) PA-09-004] and [(R21) PA-09-005]
PA-09-004 and PA-09-005
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), National Institutes of Health (NIH), invites grant applications for health services research that address the utilization of emerging cellular, molecular, and genetic or genomic (CMG) technologies in cancer care. The studies will assess CMG technologies in relation to: (a) quality of care; (b) organizational barriers and change factors in utilization; (c) cost and cost-effectiveness; (d) disparities in access and efficacy; (e) monitoring of cross-sectional patterns of care and time trends; (f) impact on existing standards of care; and (g) influence on cancer outcomes such as incidence, progression, mortality, survival, and quality of life. This FOA specifically encourages research on commercially available CMG clinical tools already in use, as well as experimental tools in the later stages of development and/or in the regulatory approval pipeline. The funding opportunity also encourages interdisciplinary collaborations between health services researchers and those in the clinical and/or translational sciences.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-004.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-004.html
Key Words: **Health Disparity, Cancer, Cancer Treatment**

Cancer Surveillance Using Health Claims-based Data System (R01), (R21), and (R03)
PA-09-145 and PA-09-144 and PA-09-143
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages grant applications for research entailing the use of health claims data for cancer surveillance. Cancer surveillance may include assessment of patterns of care, quality, and outcomes of care, and health disparities across the continuum of treatment. Projects sought under this FOA may focus on treatment and outcomes at the patient-specific level or include influences from the provider or broader health-system level. This FOA will utilize the NIH Research Project Grant (R01) grant mechanism and runs in parallel with two other FOAs of identical scientific scope, that encourages applications under the R21 (PA-09-144) and the R03 (PA-09-143) mechanisms.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-145.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-144.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-143.html
Key Words: **Cancer Surveillance, Epidemiology, Cancer, Helath Claims**

Development, Application, and Evaluation of Prediction Models for Cancer Risk and Prognosis (R01) and (R21)
PA-10-025 and PA-10-026
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages research applications from clinicians, epidemiologists, geneticists, statisticians, and translational researchers working in the field of cancer control and prevention to improve existing models for cancer risk and prognosis by developing innovative research projects that use existing data; develop new models for cancer risk and prognosis; and validate new models and evaluate their utility in research and clinic settings. To explore this opportunity, the NCI Division of Cancer Control and Population Sciences (DCCPS) and the Division of Cancer Treatment and Diagnosis (DCTD) encourage applications for research projects to develop, apply, and evaluate new and existing cancer risk and prognostic prediction models for use by researchers, clinicians, and the general public. This FOA is designed to provide a mechanism of support for investigators to address two major challenges in model development, which are: integrating diverse types of data (e.g., clinical, demographic, pathologic, environmental, epidemiologic, outcomes, and genetic data from varied data marts or warehouses); and ensuring adequate validation (i.e., using multiple separate populations to define sensitivity, specificity, and positive and negative predictive values).
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-025.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-026.html
Key Words**: Cancer control, Population Science**

Small Grants Program for Cancer Epidemiology (R03)
PAR-08-237
National Cancer Institute (NCI)
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), encourages the submission of Small Research Grant (R03) applications for research on cancer etiology and epidemiology. The overarching goal of this FOA is to provide support for pilot projects, testing of new techniques, secondary analyses of existing data, development and validation of measurement methods, linkage of genetic polymorphisms with other variables related to cancer risk, and development of innovative projects for more comprehensive research in cancer etiology and epidemiology.
Amount: varies
LOI: N/R
Deadline: July 23, 2010; November 19, 2010; March 18, 2011; July 22, 2011; November 18, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-237.html
Key Words**:**

Exploratory/Developmental Grants Program for Basic Cancer Research in Cancer Health Disparities (R21) and (U01)
PAR-09-160 and PAR-09-161
National Cancer Institute (NCI)
Through this Funding Opportunity Announcement (FOA), the Center to Reduce Cancer Health Disparities (CRCHD) and the Division of Cancer Biology (DCB), at the National Cancer Institute (NCI), invite grant applications from investigators interested in conducting basic research studies into the causes and mechanisms of cancer health disparities. These awards will support pilot and feasibility studies, development and testing of new methodologies, secondary data analyses, and innovative mechanistic studies that investigate biological/genetic bases of cancer health disparities. This FOA is also designed to aid and facilitate the growth of a nationwide cohort of scientists with a high level of basic research expertise in cancer health disparities research and to provide resources for those investigators that may need additional support on their path to successfully compete for R01/R01* funding in basic research in understanding cancer health disparities.
Amount: $275,000
LOI: N/R
Deadline: June 23, 2010; November 23, 2010; June 23, 2011; November 23, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-160.html and http://grants.nih.gov/grants/guide/pa-files/PAR-09-161.html
Key Words**: Cancer, Disparities, Epidemiology**

Mayday Fund of New York
Mayday Fund of New York
The Mayday Fund is dedicated to alleviating the incidence, degree, and consequence of human physical pain.
Amount: $2,000-$500,000

LOI: N/R
Deadline: Continuous
To learn more**:** http://www.maydayfund.org/
Key Words**: Pain, Pain Alleviation**

Meetings, Conferences, and Networks for Research Partnerships to Improve Functional Outcomes (R13)
PAR-08-207
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Institute of Neurological Diseases and Stroke (NINDS)
National Heart Lung and Blood Institute (NHLBI)
National Institute of Mental Health (NIMH)
National Inst
This funding opportunity announcement (FOA) solicits Conference Grant (R13/U13) applications from applicant organizations for meetings and networks that will facilitate interdisciplinary research partnership among investigators. The goal is to create opportunities for forming strong and effective multi-disciplinary scientific teams to address basic, translational, or clinical research problems in rehabilitation or management of chronic disease, including mental disorders.
Amount: $50,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-207.html
Key Words**: Chronic Disease, Rehabilitation, Conferences**

Community-Based Partnerships for Childhood Obesity Prevention and Control: Research to Inform Policy (R03) and (R21)
PA-09-140 and PA-09-141
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Cancer Institute (NCI)
National Heart, Lung, and Blood Institute (NHLBI)
Office of Behavioral and Social Sciences Research (OBSSR)
National Center for Chronic
The purpose of this funding opportunity announcement (FOA) issued by the NICHD is to enhance childhood obesity research by fostering the formation of local, state, or regional teams consisting of researchers, policymakers, and other relevant stakeholders (e.g., community representatives, public health practitioners or officials, educators) in order to identify research questions and hypotheses, design and implement the relevant research, and translate the research into evidence relevant to potential policy efforts in this area. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.
Amount: $100,000-$275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-140.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-141.html
Key Words**: Childhood Obesity, Public Policy**

Research on Teen Dating Violence (R01) and (R21)
PA-09-169 and PA-09-170
Eunice Kennedy Shriver National Institute for Child Health and Human Development (NICHD)
National Institute on Drug Abuse (NIDA)
National Institute on Alcohol and Alcohol Abuse (NIAAA)
Office for Research on Women's Health (ORWH)
This Funding Opportunity Announcement (FOA) encourages investigator-initiated research grant applications from institutions/ organizations that propose to conduct behavioral and/or biomedical research aimed at better understanding the etiologies and precursors for, reducing risk for, and incidence of, teen dating violence (TDV). Research is also sought that examines the linkages and gaps among perceptions of appropriate responses to teen dating violence from service providers, the criminal justice system, teens themselves, victims, perpetrators and bystanders.
Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-169.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-170.html
Key Words**: Teen Violence**

UPDATE TO RFA-AE-10-001: OS Recovery Act Limited Competition: Accelerating Adoption of Comparative Effectiveness Research Results by Providers and Patients (R18) - Announcing Additional Funds Availability and Clarifying Eligible Institutions/Organizations

NOT-AE-10-001
Department of Health and Human Services (DHHS)
American Reinvestment and Recovery Act of 2009 (ARRA)
In January, 2010, ASPE announced the availability of funds under the American Recovery and Reinvestment Act of 2009 (ARRA) for strategies for accelerating the adoption of comparative effectiveness research (CER) results by providers and patients (RFA-AE-10-001). Since then, additional funds have been made available for this RFA in order to allow for the funding of 1 to 3 additional meritorious proposals, thus broadening the impact of this critical component of the CER enterprise. These additional funds will lead to a greater understanding of "best practices" for the adoption of CER by both providers and patients. In addition, ASPE is clarifying additional eligible institution/organization characteristics.
This Notice serves to notify potential applicants of the following changes or clarifications related to the Funds Available and Eligible Institutions/Organizations:
Funds Available and Anticipated Number of Awards. Using funds provided by the Office of the Secretary of the Department of Health and Human Services, ASPE now intends to commit $17,000,000 for use under this FOA. We anticipate that 6 to 10 awards will be made for fiscal year 2010, pending the number and quality of applications and availability of funds.
Eligible Institutions/Organizations. Eligible institutions or organizations with the following characteristics may include the following:
Integrated health care systems
Integrated provider systems
Academic Medical Centers
Provider consortia
Community Health Center Networks
Private payers
Other non-governmental organizations that administer or directly provide health care services
Organizations that serve health care consumers
University-based school (e.g. School of Public Policy or Public Health)
Private research institutes
Amount:
LOI:
Deadline:
To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-AE-10-001.html
Key Words**:**

Air Force Fiscal Year 2011 Young Investigator Research Program

AFOSR-BAA-2010-3
Department of Defense (DoD)
The Air Force Office of Scientific Research (AFOSR)
The AFOSR's Young Investigator Research Program (YIP) is to support scientists and engineers who have received Ph.D. or equivalent degrees in the last five years (on or after 1 May 2005) and who show exceptional ability and promise for conducting basic research. The objective of this program is to foster creative basic research in science and engineering, enhance early career development of outstanding young investigators, and increase opportunities for the young investigators to recognize Air Force mission and the related challenges in science and engineering. Proposals addressing the research areas of interest for the Air Force Research Laboratory will be considered.
Amount: $360,000
LOI: White papers may be submitted via email directly to a program manager
Deadline: July 28, 2010
To learn more**:** http://www.wpafb.af.mil/library/factsheets/factsheet.asp?id=9332
Key Words**: Collective Behavior and Socio-Cultural Modeling, Mathematical Modeling of Cognition and Decision, Systems and Software**

Department Of Defense Hive/Aids Prevention Program

DHAPP-BAA-10-001
Department of Defense (DOD)
DHAPP continues to rely upon the vital support of various partners, such as non-governmental organizations (NGOs), in implementing HIV prevention, care and treatment programs across the globe. Each country has a customized plan to help the countries' militaries bring its HIV/AIDS programs to sufficient scale to help reduce the spread of the epidemic and mitigate its impact.
DHAPP's current priority activities include the following:
- Institutional capacity building and developing military specific HIV strategic and operational plans that incorporate effective monitoring and evaluation procedures.

- Training of master trainers and peer educators.
- “Troop Level” HIV/AIDS prevention education and behavior change communication.
- Evaluating specific prevention interventions in military contexts
- Providing infrastructure and equipment to support HIV testing, care and/or treatment.
- Increasing testing of all military personnel.
- Developing HIV laboratory diagnostic and monitoring capabilities.
- Increasing clinical capability and other human resources for health care of those infected with HIV.
- Developing or revising military specific HIV policies that specifically address leadership roles, gender norms, gender based violence, stigma and discrimination and structural components necessary for access to care.
- Increasing male circumcision (MC) in high prevalence countries who are supportive of MC as an effective prevention intervention.
- Providing peacekeeping prevention and care interventions in militaries that contribute significant peacekeepers.

This BAA is intended to solicit existing partners and establish new partners in order to expand the DHAPP program.
Amount: $50,000-$300,000
LOI:
Deadline: This announcement will remain open until 30 September 2011. White Papers may be submitted at any time during this period.
To learn more**:**
http://www.grants.gov/search/synopsis.do;jsessionid=RlFgLZJCfZnVyTpKtvX9mkkkCCZlL1Wb7JXyZhn1NRLNRrvlQcLp!-1885924289
Key Words**: HIV/AIDS, Military, Transmission of Infection, Preventative Measures**

Occupational Safety and Health Research (R01)

PAR-10-188
Centers for Disease Control and Prevention (CDC)
National Institute for Occupational Safety and Health (NIOSH)
The purpose of this funding opportunity announcement (FOA) is to develop an understanding of the risks and conditions that are associated with occupational diseases and injuries, to explore methods for reducing risks and for preventing or minimizing exposure to hazardous conditions in the workplace, and to translate significant scientific findings into prevention practices and products that will effectively reduce work-related illnesses and injuries.
Amount: $1,600,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-188.html
Key Words**:**

NIOSH Support for Conferences and Scientific Meetings (R13)

PAR-08-072
Centers for Disease Control and Prevention
CDC’s Procurement and Grants Office has published a funding opportunity announcement entitled, “NIOSH Support for Conferences and Scientific Meetings(R13).” The purpose of the program is to support high quality conferences/scientific meetings that are relevant to its scientific mission and to the public health.
The goal of the NIOSH research program is to develop an understanding of the risks and conditions that are associated with occupational diseases and injuries, to explore methods for reducing risks and for preventing or minimizing exposure to hazardous conditions in the workplace, and to translate significant scientific findings into prevention practices and products that will effectively reduce work-related illnesses and injuries. Specific research priorities are derived from the National Occupational Research Agenda (NORA) which is used by NIOSH for determining how best to carry out its mission of providing national and world leadership in preventing work-related illnesses and injuries.
Amount: $20,000
LOI: Sixty calendar days in advance of standard Application
Deadline: Standard dates apply (April 12, August 12, December 12)
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-072.html
Key Words**: Occupational Health**

CHIPRA Pediatric Healthcare Quality Measures Program Centers of Excellence (U18)

RFA-HS-11-001
Agency for Healthcare Research and Quality (AHRQ)
Office of Extramural Research, Education and Priority Populations (OEREP)
This FOA solicits Cooperative Research Demonstration and Dissemination Projects (U18) grant applications that propose to advance and improve measures of children's healthcare quality. The FOA implements Section 401(a) of the Children's Health Insurance Program Reauthorization Act (CHIPRA) of 2009 (Public Law 111-3), which amends title XI (42 U.S.C. 1301 et seq.) by inserting after section 1139 the new section 1139A(b): Advancing and Improving Pediatric Quality Measures. This section calls for the establishment

of a pediatric quality measures program to: improve and strengthen the initial core child health care quality measures established by the Secretary under (42 U.S.C. 1301 Sec. 1139A(a)); expand on existing pediatric quality measures used by public and private health care purchasers and advance the development of such new and emerging quality measures; and increase the portfolio of evidence-based, consensus pediatric quality measures available to public and private purchasers of children's healthcare services, providers, and consumers.
Amount: $8,000,000
LOI: June 1, 2010
Deadline: June 30, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-HS-11-001.html
Key Words:

AHRQ Small Research Grant Program (R03)
PA-10-168
Agency for Healthcare Research and Quality (AHRQ)
This Funding Opportunity Announcement (FOA) encourages Small Research Grant (R03) applications, and expresses AHRQ portfolio priority areas of interest for ongoing small research projects. The R03 grant mechanism supports different types of health services research projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and, development of new research technology.
Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-168.html
Key Words: **Comparative Effectiveness Research, Prescription Drugs and Medicare, Arthritis and Non-Traumatic Joint Disorders, Cancer, Cardiovascular Disease, Stroke, Hypertension, Dementia, Alzheimer's Disease, Depression, Developmental Delays, ADHD, Autism, Diabetes, Infectious Diseases, HIV/AIDS, Obesity, Peptic Ulcer, Dyspepsia, Pregnancy, Pulmonary Disease/Asthma, Substance Abuse**

AHRQ Small Research Grant Program (R03)
PAR-10-168
Agency for Healthcare Research and Quality (AHRQ)
This Funding Opportunity Announcement (FOA) encourages Small Research Grant (R03) applications, and expresses AHRQ portfolio priority areas of interest for ongoing small research projects. The R03 grant mechanism supports different types of health services research projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and, development of new research technology.
Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-168.html
Key Words:

AHRQ Small Grant Program for Conference Support (R13)
PA-09-231
Agency for Healthcare Research and Quality (AHRQ)
The Agency for Healthcare Research and Quality (AHRQ), announces its continued interest in supporting conferences through its Small Grant Program for Conference Support. AHRQ seeks to support conferences that help to further its mission to improve the quality, safety, efficiency, and effectiveness of health care for all Americans. The types of conferences eligible for support include: 1) Research development - conferences where issues or challenges in the practice and delivery of health care are defined and a research agenda or strategy for studying them is developed; 2) Research design and methodology - conferences where methodological and technical issues of major importance in the field of health services research are addressed or new designs and methodologies are developed; 3) Dissemination and implementation conferences - where research findings and evidence-based information and tools are summarized, communicated and used by organizations and individuals that have the capability to use the information to improve the outcomes, quality, access to, and cost and utilization of health care services; and/or, 4) Research training, infrastructure and career development - conferences where faculty, trainees and students are brought together with stakeholders to develop, share or disseminate research products, experiences, curricula, syllabi, training competencies. AHRQ is especially interested in supporting conferences that demonstrate strategies that include plans for disseminating complimentary conference materials and products beyond the participants attending the event. Such strategies might include, but are not limited to, submitting articles for publication, posting information on a Web site, and seeking formal opportunities to discuss conference information with others.
Amount: $50,000
LOI: N/R

Deadline: December 21; In 2010: February 22, April 20, June 21, August 20, October 20, December, 20; In 2011: February 22, April 20, August 22, October 20, December 20; In 2012: February 21, April 20, June 20, August 20, and October 22
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-231.html
Key Words**: Conferences, Health Care**

AHRQ Health Services Research Projects (R01)
PA-09-070
Agency for Healthcare Research and Quality (AHRQ)
This Funding Opportunity Announcement (FOA) solicits Large Research (R01) Projects, and expresses AHRQ portfolio priority areas of interest for ongoing extramural health services research, demonstration, dissemination, and evaluation grants.
Amount: $500,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-070.html
Key Words**: Healthcare Delivery, Healthcare Costs, Healthcare Waste**

AHRQ Health Services Research Demonstration and Dissemination Grants (R18)
PA-09-071
Agency for Healthcare Research and Quality (AHRQ)
This Funding Opportunity Announcement (FOA) solicits Large Research Demonstration and Dissemination (R18) Projects, and expresses AHRQ portfolio priority areas of interest for these ongoing, extramural grants.
Amount: $500,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-071.html
Key Words**: Healthcare Delivery, Healthcare Costs, Healthcare Waste**

AHRQ Grant Program for Large or Recurring Conferences (R13)
PAR-09-257
Agency for Healthcare Research and Quality (AHRQ)
The Agency for Healthcare Research and Quality (AHRQ), announces its continued interest in supporting conferences through its Large or Recurring Grant Program for Conference Support. AHRQ seeks to support conferences that help to further its mission to improve the quality, safety, efficiency, and effectiveness of health care for all Americans. The types of conferences eligible for support include: 1) Research development - conferences where issues or challenges in the practice and delivery of health care are defined and a research agenda or strategy for studying them is developed; 2) Research design and methodology - conferences where methodological and technical issues of major importance to the field of health services research are addressed or new designs and methodologies are developed; 3) Dissemination and implementation - conferences where research findings and evidence-based information and tools are summarized, communicated and used by organizations and individuals that have the capability to use the information to improve the outcomes, quality, access to, and cost and utilization of health care services; and/or, 4) Research training, infrastructure and career development -conferences where faculty, trainees and students are brought together with stakeholders to develop, share or disseminate research products, experiences, curricula, syllabi, or training competencies.
Amount: $300,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-257.html
Key Words**: Conferences, Health Care**

AHRQ Individual Awards for Postdoctoral Fellows (F32) Ruth L. Kirschstein National Research Service Awards (NRSA)
PA-09-229
Agency for Healthcare Research and Quality
The purpose of this individual postdoctoral research training fellowship is to provide support to promising Fellowship Applicants with the potential to become productive, independent investigators in health services research in research areas and priorities relevant to the mission of AHRQ.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-229.html

Key Words**: Health Services Research**

Researching Implementation and Change while Improving Quality (R18)

PAR-08-136
Agency for Healthcare Research and Quality
The Agency for Healthcare Research and Quality (AHRQ) announces the Agency's interest in supporting grants to rigorously study the implementation of quality improvement strategies and provide generalizable scientific findings about the implementation of the quality improvement strategy, related organizational changes, and their impact. There is increasing evidence that success in achieving quality improvement goals is at least partially attributable to implementation processes and contexts and not just to the nature of the quality improvement strategy. The research funded through this announcement may be conducted by the team designing/implementing the quality improvement strategy or it may be conducted by a separate team. The quality improvement strategy must be one that is expected to result in major improvements in health care delivery that will enhance patient outcomes. Research design and execution will yield results providing AHRQ, providers, patients, payers, policymakers, and the public with contextual details and high level of confidence about what works and what doesn't in improving health care in the United States.
Amount: varies but will not exceed $300,000 annually
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-136.html
Key Words**:**

Aetna 2010 Grant Program

Aetna Foundation
For 2010, the foundation will focus its grant making on issues that improve health and the healthcare system in three areas: obesity (addressing the rising rate of obesity among U.S. adults and children); racial and ethnic healthcare equity (promoting equity in health and health care for common chronic conditions and infant mortality); and integrated health care (advancing high-quality health care by improving care coordination and communications among healthcare professionals, creating informed and involved patients, and promoting cost-effective, affordable care). Grant applications that address more than one of these areas will receive priority consideration.
Within the three program areas, the foundation will award the following types of grants: research grants to generate new knowledge, making use of either quantitative or qualitative techniques; project grants to test, apply, or disseminate new practices designed to improve health and health care; and policy grants to analyze and promote policies to ensure that programs and practices to improve health and health care can be replicated and disseminated broadly. In addition, the foundation will consider applications for sponsorship of fundraising events such as galas and walks, outreach activities (e.g., health fairs), and other community-based health and wellness initiatives aligned with the foundation's funding priorities.
Amount: up to $250,000
LOI: Required for grant requests over $50,000
Deadline: Quarterly
To learn more**:** http://www.aetna.com/about-aetna-insurance/aetna-foundation/aetna-grants/grants-for-2010-and-beyond.html
Key Words**: Obesity, Racial and Ethnic Health Care Equity, Integrated Health Care**

Mentored Research Scholar Grant in Applied and Clinical Research

ACS
Support mentored research by full-time faculty, typically within the first four years of their appointment, with the goal of becoming independent investigators in clinical, cancer control and prevention, epidemiologic, psychosocial, behavioral, health services and health policy research.
Amount: up to five years and for up to $135,000 per year
LOI: N/R
Deadline: April 1 and October 15; annually
To learn more**:**
http://www.cancer.org/docroot/RES/content/RES_5_2x_Mentored_Research_Scholar_Grant_in_Applied_and_Clinical_Research.asp?sitearea=RES
Key Words**:**

Physician Training Awards in Preventive Medicine

ACS
This award is made to support primary care physicians with a rank of instructor to assistant professor who are pursuing an academic career with an emphasis on cancer control.
Amount: $300,000
LOI: N/R

Deadline: April 1, annually
To learn more:
http://www.cancer.org/docroot/RES/content/RES_5_2x_Physician_Training_Awards_in_Preventive_Medicine.asp?sitearea=RES
Key Words:

Regenerative Medicine/Transplantation

Human Pluripotent Stem Cell (hPSC) Research Using Non-Embryonic Sources (R01)
PA-08-043 and PA-08-044
NIH
This Agency-wide Funding Opportunity Announcement (FOA) is a Program Announcement (PA) to encourage new research applications proposing research on hPSCs from non-embryonic sources. This FOA addresses Executive Order 13435 issued by President George W. Bush on June 20, 2007. The Executive Order requires that "The Secretary of Health and Human Services shall conduct and support research on the isolation, derivation, production, and testing of stem cells that are capable of producing all or almost all of the cell types of the developing body and may result in improved understanding of or treatments for diseases and other adverse health conditions, but are derived without creating a human embryo for research purposes or destroying, discarding, or subjecting to harm a human embryo.
Amount: $275,000 over two years
LOI: N/R
Deadline: multiple, see link. Continuous until January 2011.
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-043.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-044.html
Key Words:

Request for Information: Scientific and Regulatory Issues to be Explored at an Upcoming Pluripotent Stem Cell Workshop involving NIH and FDA
NOT-NS-10-016
National Institutes of Health (NIH)
The National Institutes of Health (NIH) and the Food and Drug Administration (FDA) are proposing a series of workshops that will engage the broader research community regarding requirements necessary for translation of pluripotent stem cell-derived products into the clinic. The purpose of this RFI is to solicit information that will be useful in developing the first workshop which will focus on establishment of pluripotent stem cell lines and banks, manufacturing for early phase clinical trials, manufacturing for commercial production, and characterization of human stem cell-derived products.
Amount:
LOI:
Deadline: Response due by: July 16, 2010
To learn more: http://grants.nih.gov/grants/guide/notice-files/NOT-NS-10-016.html
Key Words:

NIAID Clinical Trial Planning Grant (R34), (U01) and (R01)
PAR-10-185 and PAR-10-186 and PAR-10-184
National Institute of Allergy and Infectious Diseases (NIAID)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID) invites applications that propose the complete planning, design, and preparation of documentation necessary for implementation of investigator-initiated clinical trials. The trials must be hypothesis-driven, milestone-defined, related to the research mission of the NIAID and considered high priority by the Institute. Investigators are encouraged to visit the NIAID website for additional information about the research mission and high-priority research areas of the NIAID http://www3.niaid.nih.gov/about/whoWeAre/planningPriorities/.)
Amount: varies with award mechanism
LOI: N/R
Deadline: July 22, 2010, September 13, 2010, January 13, 2011, May 13, 2011, September 13, 2011, January 13, 2012, May 14, 2012, September 13, 2012, January 14, 2013
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-185.html and http://grants.nih.gov/grants/guide/pa-files/PAR-10-186.html and http://grants.nih.gov/grants/guide/pa-files/PAR-10-184.html
Key Words: **Asthma and Allergies, Autoimmune Diseases, Insulin Dependent Diabetes, Systemic Lupus Erythematosus, Rheumatoid Arthritis, Multiple Sclerosis, Graft Rejection, AIDS, Tuberculosis, TB, Malaria, Influenza, Hepatitis, Emerging Infections, Bioterrorism, Transplantation and Immune Tolerance**

Directed Stem Cell Differentiation for Cell-Based Therapies for Heart, Lung, and Blood Diseases (R21)

PA-09-248
National Heart, Lung, and Blood Institute (NHLBI)
This funding opportunity announcement (FOA) encourages Exploratory/Developmental (R21) grant applications from applicant organizations that propose to define the factors and mechanisms controlling the differentiation of embryonic or adult stem or progenitor cells, either in vitro or in vivo. It is designed to stimulate new scientific advances in stem cell differentiation including technology research that may not be hypothesis driven. The long range goal of this program is the development of methods to direct the differentiation or development of stem cells along specific cell lineages to yield replacement cells for clinical use, whether the replacement cells are formed in vitro for delivery or formed in vivo in the tissue or organ environment.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-248.html
Key Words**: Progenitor Cells, Stem Cell Differentiation**

Notice of Intent to Publish Request for Applications for the Blood and Marrow Transplant Clinical Trials Network (U10) and Data Coordinating Center (U10)
NOT-HL-10-107 and NOT-HL-10-108
National Heart, Lung, and Blood Institute (NHLBI)
The National Heart, Lung, and Blood Institute (NHLBI) intends to issue a Funding Opportunity Announcements (FOA) titled: "Blood and Marrow Transplant Clinical Trials Network (BMT CTN) – Core Clinical Centers (U10)" . The goal of this initiative is to support a cooperative, multicenter clinical program that promotes efficient comparison of novel treatment and management approaches for the potential benefit of children and adults undergoing hematopoietic stem cell transplantation. Core Clinical Centers are expected to identify areas of scientific need, and to develop and participate in new Phase II and Phase III clinical trials designed to improve transplant outcomes and change clinical practice. The Data Coordinating Center is expected to bring scientific, technical, and administrative expertise for the full range of activities needed to support the conduct of new multicenter trials in hematopoietic stem cell transplantation. The Data Coordinating Center will manage protocol dollars for all sites enrolling subjects on BMT CTN trials.
Amount:
LOI:
Deadline:
To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-HL-10-107.html and http://grants.nih.gov/grants/guide/notice-files/NOT-HL-10-108.html
Key Words**:**

Stem Cells and Cancer (R21)
PA-08-165
National Cancer Institute
National Institute on Aging
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), and the National Institute on Aging (NIA), encourages research in all aspects of tumor stem cell biology, including the molecular and biochemical regulation of embryonic and adult stem cell behavior relevant to tumor formation. This FOA intends to stimulate efforts on isolation and characterization of tumor stem cells from a large spectrum of tumors. In addition, more research is encouraged to understand the genetic and biochemical regulatory mechanisms that control the self-renewal phenotype, asymmetric cell division, and the stem cell microenvironment (or "niche").
Amount: $275,000 over a 2-year period
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-165.html
Key Words**: Cancer, Stem Cells, Tumor Cells**

Biomarkers for Early Detection of Hematopoietic Malignancies (R01) and (R21)
PA-09-197 and PA-09-198
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages research grant applications from institutions/organizations for the development and validation of biomarkers for: a) early detection, prediction of progression, and recurrence of hematopoietic malignancies, especially in high-risk individuals; and, b) for risk assessment of primary and secondary hematopoietic malignancies. This FOA is also encourages the development and improvement of specific technologies and methods for quantitative detection of novel biomarkers associated with hematopoietic malignancies.
Amount: varies
LOI: N/R
Deadline: Standard dates apply

To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-197.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-198.html
Key Words**: Hematopoietic Cancers, Biomarkers**

USA Medical Research and Materiel Command Broad Agency Announcement
W81XWH-BAA10-1
Department of Defense (DOD)
This Announcement provides a general description of the Command's research programs, including specific areas of interest; general information; the evaluation and selection criteria; and proposal preparation instructions.
1) The Military Infectious Diseases Research Program (MIDRP) focuses on vaccines, antiparasitic drugs, deployable field clinical diagnostics, and vector control pertinent to naturally-occurring endemic diseases with demonstrated or potential capability to decrease military operational effectiveness.
2) The Combat Casualty Care Research Program (CCCRP) provides integrated capabilities for far-forward medical care to reduce the mortality and morbidity associated with major battlefield wounds and injuries.
3) The Military Operational Medicine Research Program (MOMRP) provides biomedical solutions that protect Soldiers and enhance their performance in operational and training environments that include multiple stressors. [a. Injury Prevention and Reduction; b. Psychological Health and Resilience; c. Environmental Health and Protection; d Physiological Health]
4) The Medical Biological Defense Research Program provides medical countermeasures for biological warfare agents. These countermeasures include specialized medical materiel or procedures designed to enhance protection.
5) The Medical Chemical Defense Research Program seeks to preserve combat effectiveness by timely provision of medical countermeasures in response to Joint Service chemical warfare defense requirements.
6) The Clinical and Rehabilitative Medicine Research Program (CRMRP) focuses on the innovations required to reset our wounded warriors, both in terms of duty performance and quality of life. The CRMRP focuses its efforts on the following five research areas: neuromusculoskeletal injury (including amputees), ocular and visual system injury, hearing and vestibular systems injury, chronic pain, and regenerative medicine.
Amount: $1,000,000
LOI:
Deadline: September 30, 2010
To learn more**:**
http://www.grants.gov/search/announce.do;jsessionid=2vmFKPnL20sh2KRqMCTmSnJZ6FC5xZx1mdGGngwpJvfRCHlcTvYN!-1163459943
Key Words**: Battlefield Wounds, Emergency Treatment, Antiparisitics, Infectious Disease**

Skin

Notice of Intent to Publish a Request for Applications for Ancillary Studies to Large Ongoing Clinical Projects (R01) and (R21)
New
NOT-AR-10-037 andNOT-AR-10-038
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)
The National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), intends to reissue a Request for Applications (RFA) to solicit applications for Ancillary Studies to Large Ongoing Clinical Projects (http://grants.nih.gov/grants/guide/rfa-files/RFA-AR-10-010.html). This RFA solicits applications that propose to conduct time-sensitive ancillary studies related to the NIAMS mission in conjunction with privately or publicly funded, large, ongoing clinical projects. The ongoing “parent” project can be a large clinical trial or observational study, or a disease registry that can provide a sufficient cohort of well-characterized patients, infrastructure, data, and biological samples. Applications submitted in response to this FOA will undergo an accelerated review and award process. Each application must include a timeline to demonstrate that the parent project has adequate time left to accommodate the proposed ancillary study. In addition, it must justify the time-sensitive nature of the ancillary study and the need for an expedited review and award process. It must also document permission from the parent project to use the patient cohorts, data, and biological materials. The objective of this FOA is to provide a flexible mechanism to leverage established resources and maximize the return on existing investments in parent projects. Successful ancillary studies will enhance the scientific content and value of the parent projects, improve the research community’s understanding of a disease or organ system in the NIAMS portfolio, and thus identify novel targets for diagnosis, treatment, and prevention of disease.
Amount:
LOI:
Deadline: Released June 3, 2010
To learn more**:** http://grants.nih.gov/grants/guide/notice-files/NOT-AR-10-037.html and http://grants.nih.gov/grants/guide/notice-files/NOT-AR-10-038.html
Key Words**:**

Scleroderma Foundation Research Grant
The Scleroderma Foundation
The foundation is interested in fostering development of innovative high-quality research by new and established investigators in fields related to systemic sclerosis. To accomplish this goal, two distinct research grants are offered — the Scleroderma Foundation New Investigator Grant and the Scleroderma Foundation Established Investigator Grant.
Amount: $150,000
LOI: N/R
Deadline: September 15, 2010
To learn more: http://www.scleroderma.org/research/researchhome.shtm
Key Words: **Scleroderma, Autoimmune Diseases**

Replication, Fine-Mapping and Sequencing: Follow-Up on Genome-Wide Association Studies for Arthritis and Musculoskeletal and Skin Diseases (R01)
PAR-09-135
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)
This Funding Opportunity Announcement (FOA), issued by the National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health, encourages applications that propose to perform replication, fine-mapping, and sequencing studies of human genomic regions that are putatively associated with phenotypes relevant to the NIAMS mission. Genomic regions of interest are primarily those identified by genome-wide association studies (GWAS). The objective of this FOA is to enhance the identification of causal genes and genetic variants that influence complex diseases relevant to the NIAMS mission. Replication, fine-mapping, and sequencing studies are to be conducted in existing cohorts with defined phenotypes. This FOA will not support recruitment of human subjects, collection of medical or phenotypic data, studies using animal models, or the initial discovery phase of GWAS.
Amount: $500,000
LOI: June 1, 2010; June 1, 2011
Deadline: June 29, 2010; June 29, 2011
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-135.html
Key Words: **GWAS, Genome-Wide Analysis, Musculoskeletal and Skin Diseases, Arthritis**

Department of Defense (DOD) Peer Reviewed Cancer Research Program (PRCRP)
Department of Defense (DoD)
Congressionally Directed Medical Research Programs (CDMRP)
The Fiscal Year 2010 (FY10) Defense Appropriation Act provides for $15 million (M) to the Department of Defense (DOD) Peer Reviewed Cancer Research Program (PRCRP) to research cancers not addressed in breast, prostate, lung, and ovarian cancer research programs currently executed by the U.S. Army Medical Research and Materiel Command (USAMRMC) through the Office of the Congressionally Directed Medical Research Programs (CDMRP).
The funds provided are directed to be used to conduct research under the following award mechanisms:
· Concept Award
· Idea Award
· Translational New Investigator Award
Amount: up to $750,000
LOI: July 14, 2010
Deadline: October 20, 2010
To learn more: http://cdmrp.army.mil/funding/prcrp.htm
Key Words: **Melanoma and other skin cancers, Pediatric brain tumors within the field of childhood cancer, Genetic cancer research and genomic medicine, Blood cancers, Colorectal cancer, Kidney cancer, Listeria vaccine for cancer, Radiation protection utilizing nanotechnology**

Structural Biology & Proteomics

Development of Assays for High-Throughput screening for use in Probe and Pre-therapeutic Discovery (R01)
New
PA-10-213
National Institutes of Health (NIH)
multiple institutes
This FOA issued by the NIDDK, NCI, NHLBI, NIA, NIAAA, NIAID, NIDR, NIGMS and NIMH of the National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose the development of assays for high throughput screening (HTS) relevant to processes and diseases specific to its mission with the intent of using them to screen for small molecule compounds that show desired properties as probes for use in advancing knowledge about the relevant target, identifying new

targets, or serving as pre-therapeutic leads. The NIH launched a Molecular Libraries and Imaging initiative as part of the NIH Roadmap for Medical Research to establish a network of HTS screening centers which provide access to a large compound library, robotics to carry out the assays, and informatics to interpret the results (http://mli.nih.gov/mli/). This FOA seeks to establish a stream of scientifically and technologically outstanding assays for screening by these and other academic centers. Assays may involve targets indirectly related to disease, but which might provide insight into the biology of relevant diseases. Other targets might be associated with rare and neglected diseases, an area of increasing focus for the NIH (http://www.nih.gov/news/health/may2009/nhgri-20.htm). Assays should be relevant to the scope of the research for at least one of the sponsoring NIH Institutes
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-213.html
Key Words:

Fiscal Year (FY) 2010 Measurement Science and Engineering Research Grants Programs

New

2010-MSE-01
National Institute of Standards and Technology
Program Description: The Chemical Science and Technology Laboratory (CSTL) Grants Program will provide grants and cooperative agreements consistent with the CSTL mission in the following fields of measurement science research, focused on reference methods, reference materials and reference data: Biochemical Science, Chemical and Biochemical Reference Data, Process Measurements, Surface and Microanalysis Science, Thermophysical Properties, and Analytical Chemistry. Financial support may be provided for conferences, workshops, or other technical research meetings that are relevant to the mission of the Chemical Science and Technology Laboratory.
Biochemical Science Division: DNA chemistry, sequencing; Protein structure, properties, and modeling; Biomaterials; Biocatalysis and bioprocessing measurements. The contact person for this division is Dr. Laurie Locascio, and she may be reached at, (301) 975-2129.
Amount: $200,000
LOI: N/R
Deadline: applications will be considered on a continuing basis
To learn more: http://www.nist.gov/director/ocfo/grants/upload/2010_MSE_FFO120809.pdf
Key Words:

High-Throughput-Enabled Structural Biology Research (U01)

New

PAR-10-214
National Institute of General Medical Sciences (NIGMS)
This FOA encourages applications to establish partnerships between researchers interested in a biological problem of significant scope and researchers providing high-throughput structure determination capabilities through the NIGMS PSI:Biology network. Applicants to this FOA should propose work to solve a substantial biological problem for which the determination of many protein structures is necessary. The proteins should be amenable to high-throughput structure determination and/or should provide suitable targets to motivate new technology development. Awardee principal investigators will become part of the PSI:Biology Network Steering Committee and will work jointly with other investigators and NIH staff to manage the overall PSI:Biology initiative.
Amount: $2,500,000
LOI: Letters of Intent should be submitted 30 days before the anticipated receipt date.
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-214.html
Key Words:

Next Generation PrEP (R01)

New

RFA-AI-10-012
National Institute Allergy and Infectious Diseases (NIAID)
The purpose of this FOA is to: Develop the basic and preclinical framework needed for development of second and subsequent generations of PrEP agents; Create a rational pipeline for the discovery of New Molecular Entities (NMEs) and the identification of existing antiretrovirals (approved for HIV treatment, and those that are not approved but may have extensive clinical data) that can be used for the next generation of PrEP agents; Develop preclinical algorithms with clear go/no go criteria for identifying and prioritizing PrEP candidates for advancement to clinical evaluation; Generate PK/PD models to assess protective effects at mucosal sites of HIV transmission; and Conduct proof-of-concept safety and efficacy studies in animal models.
Amount: $1,200,000
LOI: October 2, 2010

Deadline: November 2, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-10-012.html
Key Words:

T32 Postdoctoral Research Fellowship

T32HL072757-02
University of Alabama at Birmingham (UAB)
The Section on Statistical Genetics in the Department of Biostatistics at the University of Alabama at Birmingham is accepting applications from statistical and other scientists for postdoctoral positions in statistical genetics, genetic epidemiology, microarray analysis, or proteomic analysis.
Amount: not specified
LOI: N/R
Deadline: Continuous. Fellowship positions are open until filled.
To learn more: http://www.soph.uab.edu/ssg/default.aspx?id=68
Key Words:

SBS Awards

Society for Biomolecular Screening (SBS)
The Society for Biomolecular Sciences supports an award of $5,000 made at least every three years, to recognize outstanding achievements in research, innovation, ground breaking foundation, or seminal contributions that have proven to be broadly applicable to biomolecular screening or pharmaceutical/ agricultural lead discovery. Furthermore, the award seeks to recognize those who have distinguished themselves within the scope of the society's mission. Independence of thought, originality of approach, clarity of vision, and a consistent record of achievement are important criteria. Quality and depth rather than the number of contributions shall be emphasized.
The Society for Biomolecular Sciences supports annual awards of $1,000 to recognize a member for a significant technical accomplishment, exceeding a benchmark or milestone in screening or the lead discovery process, or an innovative and integrated use of mature technologies. More than one award may be conferred annually.
Amount: $5,000
LOI: N/R
Deadline: Continuous
To learn more: http://www.sbsonline.org/awards/
Key Words: **Biomolecules, Proteomics**

Physiological and Structural Systems

PD 07-1141
NSF
The Physiological and Structural Systems Cluster supports research aimed at furthering the understanding of organisms as integrated units of biological organization. The Cluster considers proposals focused on interacting physiological and structural systems, their environmental and evolutionary contexts, and how these components are constrained by their integration into the whole organism. Projects that use systems approaches to understand why particular patterns of architecture and regulatory control have emerged as general organismal properties are particularly encouraged. Understanding how and why emergent organismal properties such as robustness, adaptability and resilience arise in the context of environmental, genetic, biochemical and morphological variation are of interest. The Cluster encourages model building to augment traditional experimental approaches in order to guide research on complex functional networks. Multidisciplinary approaches to the study of organismal systems including research at the interfaces of biology, physics, chemistry, mathematics, computer science and engineering are encouraged.
Amount: $140,000
LOI: N/R
Deadline: January 12; July 12; Annually
To learn more: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501090
Key Words: **Physiology, Structural Systems, Integrated Physiology**

Solicitation of Assays for High Throughput Screening (HTS) in the Molecular Libraries Probe Production Centers Network (MLPCN) (R03)

PAR-08-035
NIH Roadmap Initiative
The NIH Molecular Libraries Roadmap Initiative wishes to solicit HTS assay applications from the scientific community from investigators who have the interest and capability to work with the Molecular Libraries Probe Production Centers Network (MLPCN) in support of chemical probe development. This FOA promotes discovery and development of new chemical probes as research tools for

use by scientists in both the public and private sector to advance the understanding of biological functions and disease mechanisms. This initiative is one of the integrated components of the NIH Molecular Libraries Roadmap initiative that offers biomedical researchers access to large-scale automated high throughput screening (HTS) centers in the MLPCN, diverse compound libraries in the Small Molecule Repository (MLSMR) and information on biological activities of small molecules in the PubChem BioAssay public database.
Amount: $25,000
LOI: Aug. 24, 2010
Deadline: Sept. 24, 2010
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-035.html
Key Words**: HTS Assays, Proteomics, Chemical Probes**

NIH Blueprint for Neuroscience Research Grand Challenge: Developing Novel Drugs for Disorders of the Nervous System (U01)

RFA-NS-11-002
National Institutes of Health (NIH)
multiple institutes
The National Institutes of Health (NIH) announces a unique opportunity for investigators working with molecular probe compounds to gain access to a robust virtual pharma drug development network to develop neurotherapeutic drugs. Successful applicants to this initiative will be collaborative participants in this network, receiving both funding and no-cost access to contracted drug development services that are not typically available to the NIH-funded research community. Funding will be provided through a U01 cooperative agreement to conduct biological testing of compound analogs in disease assays and models in the investigators laboratory. No-cost drug development services will also be provided, including medicinal chemistry optimization, IND-directed pharmacology and toxicology, and Phase I clinical testing. Researchers who have disease assays and small molecule compounds that show promise for treating nervous system and psychiatric disorders, but that are not yet suitable for clinical testing, are strongly encouraged to apply. Investigators funded through this FOA will be active partners in the design and implementation of the drug development strategy in collaboration with an NIH-appointed advisory panel of drug development experts. This program is structured to allow investigators to maintain control of the intellectual property generated using their assays and starting compounds and to pursue commercialization of compounds that are developed within the program. This program was established by the NIH Blueprint for Neuroscience and will consider applications for nervous system disorders within the missions of any of the 16 participating NIH Institutes.
Amount: varies
LOI: July 10, 2010
Deadline: August 10, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-NS-11-002.html
Key Words**: Neurological, Psychiatric and Developmental Disorders, Dementias of Aging, Diseases and Disorders of Eye or Ear, Drug and Alcohol Dependence and Addiction**

Structural Analyses of the Ligand-Binding Properties of Taste and Smell Receptors (R01)

PA-09-058
National Institute on Deafness and Other Communication Disorders (NIDCD)
This Funding Opportunity Announcement (FOA) issued by the National Institute on Deafness and Other Communication Disorders (NIDCD), encourages grant applications from institutions/organizations designed to foster innovative collaborative research to characterize the structural properties of taste and smell receptors. Additional emphasis is placed on the characterization of the interactions among odors, pheromones, and taste substances with their cognate receptors, and the identity of the critical ligand-receptor binding sites that determine sensitivity and selectivity. One aim of this FOA is to encourage collaborations among chemosensory molecular biologists and biochemists with expertise in the isolation and characterization of membrane proteins, and biophysicists familiar with crystallography, NMR and other analytical tools used in structural analyzes.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-058.html
Key Words**: Cognate Receptors, Ligand-Receptor Binding, Pheromones, Taste, Odor**

Proteomics in Auditory Developmental and Disease Processes (R01) and (R21)

PA-09-228 and PA-06-366
National Institute on Deafness and Other Communication Disorders (NIDCD)
This Funding Opportunity Announcement (FOA) issued by the National Institute on Deafness and Other Communication Disorders (NIDCD), National Institutes of Health (NIH) encourages R01 applications that focus on “Proteomics in Auditory Developmental and Disease Processes”.
Amount: varies
LOI: N/R
Deadline: Standard dates apply

To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-228.html and http://grants.nih.gov/grants/guide/pa-files/PA-06-366.html
Key Words: **Auditory, Development**

Proteomics in Auditory Developmental and Disease Processes (R21)
PA-10-078
National Institute on Deafness and Other Communication Disorders (NIDCD)
The following examples are not meant to be comprehensive or restrictive, but rather represent projects relevant to the auditory system. Examples of projects responsive to this FOA include but are not limited to:
Proteomic analysis of specific cell types of the inner ear, other auditory pathways, and/or their subcellular structures.
Proteomic analysis of specific otocyst cell/tissue types through a variety of developing stages.
Comparative analysis between proteome and transcriptome of a defined auditory cell and/or tissue type; comparative determination between proteomic and transcriptome results.
Comparative analysis of infection state in middle ear tissue, cell type, in response to invasion with otitis media pathogens; comparative proteomic analysis of infectious pathogens involved in middle ear infections upon biofilm or infection stimulus.
Proteomic analysis of auditory genetic disorders, presbycusis, environmental noise or drug trauma; biological and/or clinical in design.
Proteomic analysis of native purified and/or in vitro propagated cultures of putative auditory progenitor cells; comparative studies of transdifferentiated/induced auditory cells and subtypes.
Use of proteomic approaches to study the signal transduction networks related to transcription factors, cell surface receptors, growth factors, and other biomarkers relevant to auditory development.
Proteomic identification of novel signaling molecules and pathways involved in cell development, differentiation, communication, function and destruction, as applied to auditory signaling processes.
Development of novel proteomic bioinformatics for annotating genomic and protein sequence information for auditory function.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-078.html
Key Words: **Proteomics, High Throughput Technologies, Hearing**

Identification and Characterization of Molecular Targets Within the mTOR Pathway With Potential to Impact Healthspan and Lifespan (R21)
PA-10-164
National Institute on Aging (NIA)
National Cancer Institute (NCI)
This FOA issued by the National Institute on Aging and the National Cancer Institute encourages grant applications focused on: 1) identifying novel targets within the mTOR (mammalian target of rapamycin) signaling network, the manipulation of which has the potential to promote healthy aging, i.e. extend health span in the aged (NIA interest); and 2) identifying and characterizing dietary constituents that modulate the mTOR pathway and promote cancer prevention (NCI interest). Identification and characterization of targets can utilize a wide range of approaches, including medicinal chemistry, in vitro assays, and studies in lower organisms or mammalian models.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-164.html
Key Words: **Rapamycin, mTOR, Signaling Pathways, Dietary Modifiers of mTOR**

Collaborative Research for Molecular and Genomic Studies of Behavior in Animal Models (R01)
PA-10-125
National Institute of General Medical Sciences (NIGMS)
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
The purpose of this Funding Opportunity Announcement (FOA), issued by the National Institute of General Medical Sciences (NIGMS) and the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institutes of Health, is to facilitate collaborative research, involving behavioral scientists and investigators with expertise in molecular biology and/or genomics, which addresses questions about the mechanisms of behavior in animal models. Applications from multiple PIs are encouraged.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-125.html
Key Words: **Maternal Behavior, Social Development, Cognitive Development, Developmental Disability, Neuroimaging, Gene-Brain-Behavior Associations**

Technology Development for Protein Modeling (P01) and (R01)
PAR-10-075 and PAR-10-076
National Institute of General Medical Sciences (NIGMS)
This FOA issued by the National Institute of General Medical Sciences (NIGMS), National Institutes of Health, encourages grant applications from institutions/organizations that propose to develop novel technologies that will significantly improve the accuracy of comparative modeling methods for protein structure prediction.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-075.html and http://grants.nih.gov/grants/guide/pa-files/PAR-10-076.html
Key Words**: Protein Structure Prediction, Modeling, X-ray Crystallography, Protein Sequencing**

Technology Development for High-Throughput Structural Biology Research (P01) and (R01)
PAR-10-074 and PAR-10-073
National Institute of General Medical Sciences (NIGMS)
This FOA issued by the National Institute of General Medical Sciences (NIGMS), National Institutes of Health, encourages grant applications from institutions/organizations that propose to develop novel technologies and methodologies underpinning high-throughput structural biology. Applications for new ideas and approaches for protein production and structure determination for classes of challenging proteins are appropriate. Projects related to high-throughput structure determination by X-ray crystallography and NMR, as well as projects addressing other constituent tasks of structural biology, including structural genomics, are relevant to this FOA.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-074.html and http://grants.nih.gov/grants/guide/pa-files/PAR-10-073.html
Key Words**: X-Ray Crystallography, NMR, Membrane Proteins, Small Protein Complexes**

Centers for High-Throughput Structure Determination (U54)
RFA-GM-10-005
National Institute of General Medical Sciences (NIGMS)
This FOA solicits applications to establish Centers for High-Throughput Structure Determination that will become the backbone of the NIGMS PSI: Biology network for high-throughput-enabled structural biology. The centers must be able to provide capabilities for high-throughput structure determination on the order of those that have been developed during previous phases of the Protein Structure Initiative (PSI), e.g., ~ 200 structures per year deposited in the Protein Databank (PDB).
Amount: $40,000,000
LOI: September 28, 2011
Deadline: October 28, 2011
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-10-005.html
Key Words**: Protein Structure Determination, High-Throughput, Technology Development**

Centers for Membrane Protein Structure Determination (U54)
RFA-GM-10-006
National Institute of General Medical Sciences (NIGMS)
This FOA solicits applications to establish Centers for Membrane Protein Structure Determination that will become a vital component in fulfilling the expanded goals of the NIGMS PSI: Biology network for high-throughput-enabled structural biology.
Amount: $25,000,000
LOI: September 28, 2010
Deadline: October 28, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-10-006.html
Key Words**: Membrane Protein Structure**

Innovation in Molecular Imaging Probes (R01)
PAR-09-016
National Institute of Biomedical Imaging and Engineering
National Institute on Aging
National Institute of Arthritis and Musculoskeletal and Skin Diseases

Eunice Kennedy Shriver National Institute of Child Health and Human Development
National Institute
This FOA is issued by the National Institute of Biomedical Imaging and Bioengineering, National Institutes of Health. This FOA is a follow up of a previous Roadmap RFA (RM-04-021 "Innovation in Molecular Imaging Probes"). The purpose of this initiative is to encourage the development of novel molecular imaging approaches that can detect and image specific molecular activities in vivo, and have the potential for clinical applications. Novel molecular imaging approaches developed through this initiative can focus on one (or both) of the following long-term translational goals: (1) imaging the characteristic markers, and function, of normal cells in control human subjects and patients, and (2) imaging the characteristic markers, and biochemical or physiological abnormalities, of disease cells in patients. Potential abnormalities that could provide early markers for disease include (but are not restricted to): inflammation, fibrosis, immune cell activation, altered signal transduction pathways, altered gene expression pathways, and altered post-translational modification of proteins. This initiative solicits applications that explore innovative "high-impact" approaches, rather than incremental technology development that is already supported by current NIH programs.
Amount: varies
LOI: December 21, 2010; August 21, 2010; April 20, 2011; August 21, 2011
Deadline: September 21, 2010; January 21, 2011; May 20, 2011; September 21, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-016.html
Key Words**: Molecular Imaging Probes**

Validation of Novel Therapeutic Targets for Huntington's Disease (R01)

PAS-10-183
National Institute for Neurological Disorders and Stroke (NINDS)
The National Institute of Neurological Disorders and Stroke (NINDS) invites research project grant (R01) applications aimed at validating novel molecular targets for disease-modifying therapeutic intervention in Huntingtons disease. This FOA is for support of new projects, and not the continuation of projects that have already been initiated with NIH funding.
Amount: $1,000,000
LOI: 30 days prior to application due date
Deadline: June 30, 2010 for the first receipt date; standard R01 dates thereafter
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAS-10-183.html
Key Words**:**

Prioritizing Molecular Targets for Cancer Prevention with Nutritional Combinations (R01)

PA-10-035
National Cancer Institute (NCI)
Office of Dietary Supplements (ODS)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), and the Office of Dietary Supplements (ODS), of the National Institutes of Health (NIH), invites research applications to enhance our understanding about the dynamic interrelationship that exists between bioactive food components (and/or combinations thereof) and cancer prevention. Although much evidence exists that dietary components are linked to cancer prevention, the interactions among dietary bioactive compounds and food combinations remains under-investigated. Applications are encouraged to consider either multiple dietary bioactive components, intact foods or multiple foods utilizing physiologically relevant concentrations of the agents. New genetic technologies may be employed to study the impact of dietary components on complex cellular and molecular networks, as part of the effort to better understand the basis for the multifaceted interactions of food components with cancer prevention mechanisms. Specifically, applications that apply new high-throughput genomic, epigenomic, proteomic, and metabolomic technologies to prioritize molecular targets of dietary components are highly encouraged. The sites of action that may be evaluated include carcinogen metabolism, DNA repair, cell proliferation, apoptosis, differentiation, hormonal regulation, energetics, inflammation, and/or angiogenesis. In addition, applications should either evaluate multiple molecular targets within a cancer process or multiple processes in order to prioritize which process(es) is/are most involved in bringing about a phenotypic change. It is hoped that advances in this area may assist in optimizing cancer prevention while minimizing potential toxicity due to food components. The resulting information will help define which foods or food components should be considered in isolation or in combination when developing dietary strategies to reduce cancer risk and/or modify tumor behavior.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-035.html
Key Words**: Dietary Components, Cancer Prevention**

Strategic Partnering to Evaluate Cancer Signatures [SPECS II] (U01)

PAR-10-126
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI) of the National Institutes of Health (NIH), encourages the submission of grant applications for support of the clinical application of multi-analyte molecular signatures derived from

comprehensive molecular annotation of tumors. There is growing recognition in the clinical cancer research community that annotation of tumor specimens with data that integrates information about molecular alterations at the levels of DNA, RNA, and protein provides not only a more complete understanding of tumor biology but also provides a significant opportunity for developing new clinical tools to improve cancer treatment. Translating the knowledge gained from this molecular annotation into tools that can be used in clinical decision-making remains a major challenge. The purpose of this initiative is to build on recent demonstrations that molecular signatures correlate with important clinical parameters in cancer. The goal of this initiative is also to create publications and data sets that will be available and accessible to the scientific community in order to further the development, design, and conduct of future clinical trials (e.g., incorporation of molecular signatures into future clinical trials and large clinical validation studies) and to encourage appropriate commercialization to benefit the public health. The NCI invites investigators to form strategic partnerships that will bring together the multi-disciplinary expertise and resources needed to determine how the information derived from comprehensive molecular analyses can be used to improve patient care and, ultimately, patient outcomes.
Amount: varies
LOI: May 15, 2011, May 15, 2012
Deadline: June 15, 2011, June 15, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-126.html
Key Words**: Molecular Signatures, Diagnostic Tools, Assessment**

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Predoctoral Training Program in Systems Biology of Developmental Biology & Birth Defects(T32)
PAR-10-193
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
The National Institutes of Health (NIH) awards Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) to eligible institutions as the primary means of supporting predoctoral and postdoctoral research training to help ensure that a diverse and highly trained workforce is available to assume leadership roles related to the Nations biomedical, behavioral and clinical research agenda. The primary objective of the T32 program is to prepare qualified individuals for careers that have a significant impact on the health-related research needs of the Nation. This Funding Opportunity Announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) encourages applications for predoctoral NRSA T32s to provide research training in systems biology of developmental biology and/or structural birth defects research.
Amount: varies
LOI: June 14, 2010, April 25, 2011, April 25, 2012
Deadline: July 13, 2010, May 25, 2011, May 25, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-193.html
Key Words**: Molecular Biology, Cell Biology, Genetics, Physiology, Physics, Bio-Mechanics, Imaging, Modeling, Bio-informatics, Quantitative Analysis of High Throughput data**

Gulf War Illness Research Program (GWIRP)
[Clinical Trial Award; Innovative Treatment Evaluation Award; Consortium Development Award; Investigator-Initiated Research Award]
W81XWH-10-GWIRP-CTA
W81XWH-10-GWIRP-ITEA
W81XWH-10-GWIRP-CONDEV
W81XWH-10-GWIRP-IIRA
DOD
Congressionally Directed Medical Research Programs (CDMRP)
The FY2010 Gulf War Illness Research Program (GWIRP) challenges the scientific community to design high-impact research that will improve the health and lives of veterans who have Gulf War Illness (GWI). GWI is characterized by multiple diverse symptoms that typically include chronic headache, widespread
pain, cognitive difficulties, debilitating fatigue, gastrointestinal problems, respiratory symptoms, and other abnormalities that are not explained by established medical diagnoses or standard laboratory tests.
The GWIRP focuses its funding on innovative projects that have the potential to make a significant impact on GWI. These may take the form of identification of objective indicators of pathology that distinguish ill from healthy veterans, or studies to understand the underlying pathobiology of GWI. The GWIRP encourages risk-taking research; however, all projects must demonstrate solid judgment and sound rationale.
Amount: up to $1,500,000; varies with award
LOI: May 14, 2010
Deadline: August 4, 2010
To learn more**:** http://cdmrp.army.mil/funding/gwirp.htm
Key Words**: Glial Cells, Astrocytes, Central Neuroinflammatory Processes, GWI, Neuroendocrine Measures, Autonomic Nervous System Function, Immune Parameters, Chronic Infection, Gastrointestinal Complaints/Symptoms, Genomic Proteomic or Metabolic Characteristics of GWI**

Advances in Bioscience for Airmen Performance
BAA-09-02-RH
Air Force Research Laboratory, Human Effectiveness Directorate, Biosciences and Performance Division (AFRL/RHP)
The 711th Human Performance Wing, Human Effectiveness Directorate is soliciting white papers under this announcement for innovative science and technology projects to support advanced bioscience research. Specifically, the Biosciences and Performance Division is seeking unique and innovative research concepts that address its technical mission areas. Research is sought primarily in the following four technical areas: 1) Applied Biotechnology, 2) Biobehavioral Performance, 3) Biomechanics, and 4) Counter proliferation.
1) Applied Biotechnology - Goal is to develop and exploit advances in biotechnology and associated nanotechnologies to enhance performance and situational awareness of the force.
2) Biobehavioral Performance – Goal is to develop bio-based methods and techniques to sustain and optimize airmen's cognitive performance.
3) Vulnerability Analysis – Goal is to rapidly identify human threat conditions, and sustain/expand Airmen performance in stressful environments. It includes research in physical and physiological biosignatures, neuroscience, anthropometry, biomechanics, human modeling, database networking, and data mining.
4) Counter proliferation – Goal is to improve the Air Force's ability to locate, identify, track, target, and destroy biological warfare agents (BWA) and other weapons of mass destruction (WMD), as well as anticipate and mitigate WMD effects on AF operations.
Amount: Cost Plus
LOI: White Papers accepted until September 30, 2014
Deadline:
To learn more**:**
https://www.fbo.gov/index?s=opportunity&mode=form&id=411797fcc2260cb5d9ed346b3c139a4b&tab=core&_cview=1&cck=1&au=&ck=
Key Words**: Gene Expression Balance, Protein Expression Patterns, Phenotypic Patterns, Biomarker Signatures, Cognitive Performance**

Therapies and Therapeutics

2010 Research Grants program
New
Foundation for Physical Therapy
Grants of $40,000 will be given to support one- to two-year intervention research projects in any specialty. Projects must involve interventions provided by physical therapists, or selected components of the interventions should be provided by physical therapist assistants under the direction and supervision of physical therapists.
The Geriatric Research Grant will fund research on methods to facilitate the translation of research into current physical therapy practice with aging adults.
The Pediatric Research Grant will fund research on evaluating one or more of the elements of physical therapy patient/client management for children with developmental disabilities. The project may focus on any of the following: examination, diagnosis, prognosis, or intervention (including optimal characteristics of intervention, e.g., intensity or model of service delivery). Priority will be placed on proposals that examine the effectiveness of physical therapy interventions.
Amount: $40,000
LOI: N/R
Deadline: August 18, 2010
To learn more**:**
http://www.apta.org/AM/Template.cfm?Section=Awards_and_Scholarships&CONTENTID=38602&TEMPLATE=/CM/ContentDisplay.cfm
Key Words**:**

Reducing Obesity and Obesity-Related Health Conditions Among Adolescents and Young Adults With Disabilities From Diverse Race and Ethnic Backgrounds
New
ED-GRANTS-061110-001
Department of Education
The purpose of the DRRP program is to improve the effectiveness of services authorized under the Rehabilitation Act of 1973, as amended, by developing methods, procedures, and rehabilitation technologies that advance a wide range of independent living and employment VerDate Mar<15>2010 15:04 Jun 10, 2010 Jkt 220001 PO 00000 Frm 00040 Fmt 4703 Sfmt 4703 E:\FR\FM\11JNN1.SGM 11JNN1 WReier-Aviles on DSKGBLS3C1PROD with NOTICES 33278 Federal Register / Vol. 75, No. 112 / Friday, June 11, 2010 / Notices outcomes for individuals with disabilities, especially individuals with the most severe disabilities.

For FY 2010, these priorities are absolute priorities. Under 34 CFR 75.105(c)(3), we consider only applications that meet these priorities. These priorities are: General Disability Rehabilitation Research Projects (DRRP) Requirements and Reducing Obesity and Obesity-Related Secondary Health Conditions Among Adolescents and Young Adults
With Disabilities From Diverse Race and Ethnic Backgrounds.
Amount: $400,000
LOI: Pre-Application Meeting June 24, 2010
Deadline: August 10, 2010
To learn more: http://edocket.access.gpo.gov/2010/pdf/2010-14128.pdf
Key Words:

Cognitive Rehabilitation for Traumatic Brain Injury Clinical Trial Award (Optional Partnering PI)
New
W81XWH-10-PH/TBI RP-CR-CTA
Department of Defense (DOD)
U.S. Army Medical Research and Materiel Command (USAMRMC)
Office of the Congressionally Directed Medical Research Programs (CDMRP)
The Fiscal Year 2010 (FY10) Defense Appropriations Act provides $10M to the Department of Defense (DOD) Psychological Health and Traumatic Brain Injury Research Program (PH/TBI) Research Program to promote research that will advance the prevention, detection, diagnosis, and treatment of military-relevant PH issues and TBI. Funding will be focused on innovative projects that have the potential to make a significant near-term impact on improving the function, wellness, and overall quality of life for warriors, veterans, families, caregivers, and communities. This program is administered by the U.S. Army Medical Research and Materiel Command (USAMRMC) through the Office of the Congressionally Directed Medical Research Programs (CDMRP).
Amount: $2,000,000
LOI: June 30, 2010
Deadline: September 7, 2010
To learn more: http://cdmrp.army.mil/funding/phtbi.shtml
Key Words: **Cumulative Concussions, Mild, Moderate or Severe TBI, Chronic Symptoms after TBI, Information Technology Devices, Robotics, Nutritional Supplements, Out/Inpatient Rehabilitation**

Department of Defense Spinal Cord Injury Research Program
Clinical Trial Award - Rehabilitation
Translational Research Partnership Award
Investigator-Initiated Research Award
Investigator-Initiated Focused Research Award
New
Department of Defense (DOD)
The Fiscal Year 2010 (FY10) Defense Appropriations Act provides $11.25 million to the Department of Defense (DOD) Spinal Cord Injury Research Program (SCIRP) to promote innovative research into regenerating damaged spinal cords, arthritis research, and improving rehabilitation therapies that offer real promise for enhancing long-term care of wounded soldiers. The SCIRP challenges the scientific community to design innovative research that will foster new directions for and address neglected issues in the field of SCI-focused research.
The vision of the SCIRP is to advance the understanding of spinal cord injury and ameliorate its consequences. This program is administered by the US Army Medical Research and Materiel Command through the Office of the Congressionally Directed Medical Research Programs (CDMRP).
Amount:
LOI:
Deadline: released June 4, 2010
To learn more: http://cdmrp.army.mil/pubs/press/2010/10scirppreann.shtml
Key Words:

Design, Synthesis, and Preclinical Testing of Potential Treatment Agents for Drug Addiction (R01)
PAS-08-041
NIH
The National Institute on Drug Abuse (NIDA) invites research applications aimed at design, synthesis, and preclinical testing of potential treatment agents for drug addiction and/or relapse prevention. Recent advances in molecular neurobiological mechanisms underlying drug addiction provide a basis for development of new therapeutic targets and chemical entities to treat and prevent relapses of drug addiction.
Amount: $150,0000
LOI: N/R

Deadline: multiple, see link; continuous
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAS-08-041.html
Key Words:

Lab to Marketplace: Tools for Brain and Behavioral Research (SBIR [R43/R44])
PA-08-071
NIH
The NIH Blueprint for Neuroscience Research is a framework to enhance cooperative activities among the NIH Office of the Director and 15 NIH Institutes and Centers that support research on the nervous system. This Funding Opportunity Announcement (FOA) is released in affiliation with the Neuroscience Blueprint, with Institutes and Centers participating independently, and with participation by Institutes and Centers that are not part of the Blueprint. This FOA encourages the translation of technologies for brain or behavioral research from academic and other non-small business research sectors to the marketplace. Solicited from Small Business Concerns (SBCs) are Small Business Innovation Research (SBIR) grant applications that propose to further develop, make more robust, and make more user-friendly such technologies in preparation for commercial dissemination. It is expected that this activity will require partnerships and close collaboration between the original developers of these technologies and SBCs, which may be accomplished in any of a number of ways, including the use of multiple principle investigators.
Amount: varies
LOI: N/R
Deadline: continuous, see listing
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-071.html
Key Words:

Long Acting, Sustainable Therapies of Opiate Addiction (R01)
PAS-08-061
NIDA
This Funding Opportunity Announcement (FOA) issued by the National Institute on Drug Abuse, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose the development of sustained pharmacotherapies and behavioral treatments to reduce the risk of contraction and transmission of HIV. Specifically, this FOA supports applications directed at the development of (1) heroin/morphine-protein conjugates (heretofore referred to as heroin/morphine conjugate vaccines or HCVs) for the treatment of opiate addiction, (2) clinical systems for the application of currently available long-acting (30-day or longer sustained-release) dosage forms for opiate pharmacotherapies to optimize these sustained pharmacotherapies to effect the reduction of the risk for acquisition and transmission of HIV, and (3) effective clinical treatment modalities, including behavioral treatment in conjunction with pharmacotherapies, to improve the effectiveness of opiate treatment and reduce the risk behaviors associated with transmission of HIV. Clinical studies should include the assessment of HIV risk behaviors as an outcome measure.
Amount: $400,0000
LOI: N/R
Deadline: multiple, see link
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAS-08-061.html
Key Words:

Countermeasures Against Chemical Threats (CounterACT) Research Centers of Excellence (U54) and Cooperative Research Projects (U01)
PAR-10-181 and PAR-10-180
National Institutes of Health (NIH)
multiple institutes
This Funding Opportunity Announcement (FOA) encourages grant applications for Countermeasures Against Chemical Threats (CounterACT) Research Centers of Excellence (U54s). The mission of the CounterACT U54 program is to develop new and improved therapeutics for chemical threats. Chemical threats are toxic chemicals that could be used in a terrorist attack or accidentally released from industrial production, storage or shipping. They include traditional chemical warfare nerve agents such as sarin and VX, and toxic industrial chemicals and pesticides such as cyanide, chlorine, parathion, and sodium fluoroacetate. The scope of the research to be supported includes target and candidate identification and characterization, through candidate optimization and demonstration of in vivo efficacy, through Investigational New Drug (IND) submission and Phase 1 clinical trials when appropriate. Each new CounterACT Research Center of Excellence will be composed of an administrative core, scientifically related research and development subprojects, and scientific cores if needed and justified. Applicants must demonstrate that the formation of an interdisciplinary Center will produce a synergistic research environment that allows each project to share the creative strengths and resources of the others. Research and development plans must include milestones that create discrete go or no-go decision points in a progressive translational study plan.
Amount: $12,500,000
LOI: August 14 2010; August 14, 2011; August 14, 2012
Deadline: September 14, 2010; September 14, 2011; September 14, 2012

To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-181.html and http://grants.nih.gov/grants/guide/pa-files/PAR-10-180.html
Key Words**:**

Transdisciplinary Research on Fatigue and Fatigability in Aging (R21) [PA-08-161]
Transdisciplinary Research on Fatigue and Fatigability in Aging (R21) [PA-08-162]
PA-08-161 and PA-08-162
National Institute on Aging
National Cancer Institute
National Institute of Nursing Research
Office of Dietary Supplements
Office of Research on Women's Health
The purpose of this funding opportunity announcement (FOA) is to encourage submission of exploratory or developmental research applications on fatigue and fatigability in aging. This FOA is intended to promote research studies employing transdisciplinary approaches that could lead to increased understanding of mechanisms contributing to, assessment of, or potential interventions for, increased fatigue or fatigability in older persons. This FOA is soliciting applications of an exploratory or developmental nature in order to stimulate new ideas, techniques, or approaches. Applications responsive to this announcement are not required to contain preliminary data, though such data may be included if available. Both animal models and humans are appropriate for study under this FOA.
Amount: limited to $275,000 over an R21 two-year period,
LOI: N/R
Deadline: multiple dates, see announcement
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-161.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-162.html
Key Words**:**

Alzheimer's Disease Drug Development Program (U01)
PAR-08-266
National Institute on Aging (NIA)
The objective of this solicitation is to stimulate research in the pre-clinical development and testing of novel therapeutic compounds aimed at slowing, halting, or reversing the progressive decline in cognitive function and modifying the behavioral symptoms in Alzheimer's disease (AD); or delaying the onset of or preventing AD, mild cognitive impairment (MCI), or age-related cognitive decline. This initiative is intended to stimulate activities focused on providing sufficient data to submit an Investigational New Drug (IND) application to the Food and Drug Administration to begin human clinical testing of potential new therapies. For this program neither mechanistic/basic studies nor clinical trials will be supported; only applications to develop a therapy will be accepted.
Amount: $4,000,000
LOI: September 1, 2010, October 1, 2010, January 3, 2011, February 1, 2011, September 1, 2011 and October 3, 2011. (Note: The October and February letters of receipt dates are for amended applications only).
Deadline: October 1, 2010, November 1, 2010, February 1, 2011, March 1, 2011, October 1, 2011 and November 1, 2011. (Note: The November and March receipt dates are for amended applications only).
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-266.html
Key Words**: Alzheimer's Disease, Cognitive Function, Cognitive Impairment**

Optimization of Small Molecule Probes for the Nervous System (STTR [R41]) and (SBIR [R43])
PAR-09-259 and PAR-09-260
National Institute of Neurological Disorders and Stroke (NINDS)
National Eye Institute (NEI)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute on Drug Abuse (NIDA)
This Funding Opportunity Announcement (FOA) encourages Small Business Technology Transfer (STTR) grant applications from small business concerns (SBCs) that propose to develop new small molecule probes for investigating biological function in the nervous system via the application of advanced medicinal chemistry and the biological testing of compounds. Eligible SBCs will have identified probe candidates via screening of small molecule collections, using in vitro assays of biological activity developed to interrogate these collections, and be able to show that the structural features of these small molecules are related to their biological activity. Applications should nominate small molecule probe candidates from distinct structural series for the further, iterative design and testing of analogues in structure-activity relationship studies, using in vitro assays of biological function adapted to the medium throughput screening requirements of this work. These studies should have the goal of developing a small molecule probe possessing the attributes (eg: affinity, selectivity, activity) required for its use in future pharmacological studies proposed by the SBC. Applicants are strongly encouraged to utilize publicly available cheminformatic capabilities for the acquisition of compounds, and semi-custom synthesis of analogues, which is required of these studies.
Amount: $300,000

LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-259.html and http://grants.nih.gov/grants/guide/pa-files/PAR-09-260.html
Key Words**: Small Molecule Probes**

NINDS Cooperative Program in Translational Research - Multi-Component Research Projects (U54)
PAR-08-234
National Institute of Neurological Disorders and Stroke (NINDS)
The goal of this Funding Opportunity Announcement (FOA) is to support preclinical development and testing of new therapies for neurological disorders. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program does not support early-stage therapeutic discovery activities such as high-throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NINDS staff in the development of the project plan and monitoring of research progress.
Amount: varies
LOI: N/R
Deadline: Standard dates apply (January 25, May 25, and September 25. AIDS application submission dates are May 7, September 7, and January 7)
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-234.html
Key Words**: Neurological Disorders, Neurology, Neuroscience, Clinical translational**

NINDS Exploratory/Developmental Projects in Translational Research for Resistant Epilepsy and Epileptogenesis (R21)
PAR-10-143
National Institute of Neurological Disorders and Stroke (NINDS)
This funding opportunity announcement (FOA), from the National Institute of Neurological Disorders and Stroke (NINDS) encourages applications for projects intended to complete preliminary steps in the pipeline for the preclinical development of therapeutics to cure epilepsy, prevent the emergence of epilepsy following brain injury (including status epilepticus, traumatic brain injury, stroke, encephalitis, or other injury) or in other high-risk groups, or to better treat individuals with intractable epilepsy. Such projects, if successful, should lead directly to a subsequent project that will include all remaining activities for submission of an Investigational New Drug (IND) or Investigational Device Exemptions (IDE) application to the Food and Drug Administration (FDA). Only Aims required for therapy development can be supported in this program. This program excludes clinical research, basic research, and studies of disease mechanisms.
Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-143.html
Key Words**: Epilepsy**

NINDS Cooperative Program in Translational Research – Single-Component Research Projects (U01)
PAR-08-233
National Institute of Neurological Disorders and Stroke (NINDS)
The goal of this funding opportunity announcement (FOA) is to support pre-clinical development and testing of new therapies for neurological disorders. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program supports pre-clinical optimization and testing of these leads and projects must be sufficiently advanced that an IND or IDE application to the FDA can be submitted by the end of the project period. The program does not support early-stage therapeutic discovery activities such as high throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NINDS staff in the development of the project plan and monitoring of research progress
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-233.html
Key Words**: Clinical translational, neurology, neurological disorders**

NINDS Cooperative Program in Translational Research - Resource Centers (U24)
PAR-08-236
National Institute of Neurological Disorders and Stroke (NINDS)
The goal of this Funding Opportunity Announcement (FOA) is to implement a program of cooperative agreements that will support milestone-driven, resource-related projects focused on providing products and services that are required for the preclinical testing of new therapeutics, and that are specific to neurology.
Amount:
LOI: N/R
Deadline: Standard dates apply (May 25, and September 25. AIDS application submission dates are May 7, September 7, and January 7)
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-236.html
Key Words**: Neurological Disorders, Neurology, Neuroscience, Clinical translational**

NINDS Cooperative Program in Translational Research for Resistant Epilepsy and Epileptogenesis (U01)
PAR-10-144
National Institute of Neurological Disorders and Stroke (NINDS)
The goal of this funding opportunity announcement (FOA), from the National Institute of Neurological Disorders and Stroke (NINDS) is to support preclinical development of new therapies to cure epilepsy, prevent the emergence of epilepsy following brain injury (including status epilepticus, traumatic brain injury, stroke, encephalitis, or other injury) or in other high-risk groups, or to better treat individuals with intractable epilepsy. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program supports preclinical optimization and testing of these leads and projects must be sufficiently advanced that an IND or IDE application to the FDA can be submitted by the end of the project period. The program does not support early-stage therapeutic discovery activities such as high throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NIH staff in the development of the project plan and monitoring of research progress.
Amount: varies
LOI: 30 days prior to each submission date
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-144.html
Key Words**: Epilepsy**

Collaborative R34s for Pilot Studies of Innovative Treatments in Mental Disorders (Collaborative R34)
PA-09-075
National Institute of Mental Health (NIMH)
National Center for Complementary and Alternative Medicine
This Funding Opportunity Announcement (FOA), issued by the National Institute of Mental Health (NIMH) and the National Center for Complementary and Alternative Medicine (NCCAM), seeks to support collaborative preliminary intervention studies to evaluate the feasibility, tolerability, acceptability and safety of novel mechanism drug candidates, promising investigational new drugs (INDs), or novel psychosocial strategies for the treatment of mental disorders and for obtaining the preliminary data needed as a pre-requisite to larger-scale (efficacy or effectiveness) intervention or services studies. This FOA should be used when at least two but no more than three sites are needed to complete the study. The collaborating studies should be organized in order to increase sample size, accelerate recruitment, and/or increase sample diversity and representation. For a linked set of collaborative R34s, each site shall have its own Project Director/Principal Investigator and provide for a mechanism for cross-site coordination, quality control, database management, statistical analysis, and reporting.
Amount: $450,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-075.html
Key Words**: Mental Disorders, Drug Therapy**

Pilot Intervention and Services Research Grants (R34)
PAR-09-173
National Institute of Mental Health (NIMH)
The purpose of this Funding Opportunity Announcement (FOA) is to encourage research on 1) the development and/or pilot testing of new or adapted interventions, 2) the adaptation and/or pilot testing of interventions with demonstrated efficacy for use in broader scale effectiveness trials, or 3) innovative services research directions that require preliminary testing or development. The R34 award mechanism provides resources for evaluating the feasibility, tolerability, acceptability and safety of novel approaches to improving mental health and modifying health risk behavior, and for obtaining the preliminary data needed as a pre-requisite to a larger-scale

(efficacy or effectiveness) intervention or services study. NIMH intervention and services research is aimed at preventing or ameliorating mental disorders, emotional or behavioral problems, the co-occurrence of mental, physical and substance abuse problems, HIV infections, and the functional consequences of these problems across the life span.
Amount: $450,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-173.html
Key Words**: Health Risk Behavior, Mental Health Treatment**

Development and Validation of Disease Biomarkers (R01)

PA-09-204
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) (http://www2.niddk.nih.gov)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Nursing Research (NINR)
Office of Dietary Supplements (ODS)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), the National Institute of Nursing Research (NINR), and the Office of Dietary Supplements (ODS) of the National Institutes of Health, will provide resources to validate candidate biomarkers for well-defined human diseases of the liver, kidney, urological tract, and digestive and hematologic systems, as well as endocrine and metabolic disorders, diabetes and its complications, and obesity, for which there are no or very few biomarkers, or for which standard biomarkers are currently prohibitively invasive or expensive. A biomarker is an indicator of a disease process, and could replace hard clinical end points as a measure of the effect of new therapies. Appropriate studies will validate candidate biomarkers in well-defined patient populations, provide new technologies to monitor biomarkers or establish reliable assays for validated markers. Progress in this area has the potential to advance translational research related to efficacy of treatments and bio-behavioral interventions. This FOA is not appropriate for biomarker discovery projects.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-204.html
Key Words**: Biomarkers, Translational Research, Therapies**

Partnerships for Development of New Therapeutic Classes for Select Viral and Bacterial Pathogens (R01)

RFA-AI-10-010
National Institute of Allergy and Infectious Diseases (NIAID)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), invites research applications in support of preclinical development of lead candidate therapeutics against Nesseria gonorrhoeae, Hepatitis B Virus and Clostridium difficile.
Amount: $2,500,000
LOI: June 8, 2010
Deadline: July 8, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-10-010.html
Key Words**:**

National Cancer Institute Program Project (P01) Applications

PAR-09-025
National Cancer Institute (NCI)
With this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI) invites applications for investigator-initiated program project (P01) grants. Proposed program projects may address any of the broad areas of cancer research, including (but not limited to) cancer biology, cancer treatment, cancer diagnosis, cancer prevention, and cancer control. Basic, translational, clinical, and/or population-based studies in all of these research areas are appropriate. Each Program Project application must consist of at least three component projects. The component projects must share a common central theme, focus, and/or overall objective.
Amount: varies
LOI: August 28, 2010; December 28, 2010; April 30, 2011; August 28, 2011
Deadline: September 28, 2010; January 28, 2011; May 27, 2011; September 28, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-025.html
Key Words**: Cancer, Cancer Biology, Clinical Translational Research**

Mitochondria in Cancer Epidemiology, Detection, Diagnosis and Prognosis (R01) [PA-08-143] and (R21) [PA-08-144]
PA-08-143 and PA-08-144
National Cancer Institute
This funding opportunity announcement (FOA) encourages Research Project Grant (R01) applications that propose to develop and validate new mitochondrial-related biomarkers for cancer early detection, diagnosis, prognosis, risk assessment, and response to preventive and ameliorative treatments.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-143.html and http://grants.nih.gov/grants/guide/pa-files/PA-08-144.html
Key Words**:**

Cognitive Rehabilitation Clinical Trial Award
Department of Defense (DoD)
Congressionally Directed Medical Research Programs (CDMRP)
Award is intended to support the rapid implementation of clinical trials to assess the efficacy of cognitive rehabilitative therapy for members or former members of the Armed Forces.
Amount: $2,000,000
LOI: Yes
Deadline: Requests for email notification of the release of this program announcement when available may be sent to cdmrp.publicaffairs@amedd.army.mil
To learn more**:** http://cdmrp.army.mil/
Key Words**: TBI, Traumatic Brain Injury, Cumulative Concussions, Information Technology Devices, Nutritional Supplements, Rehabilitation, Polytrauma**

Pilot and Feasibility Awards
Research Grants
LeRoy Matthews Physician/Scientist Award and the Harry Shwachman Clinical Investigator Award
Cystic Fibrosis Foundation Therapeutics, Inc. (CFFT)
The CF Foundation (CFF) offers competitive awards for research related to cystic fibrosis. Studies may be carried out at the subcellular, cellular, animal, or patient levels. Two of these funding mechanisms include Pilot and Feasibility Awards and Research Grants. Since these applications are reviewed by the CFF's Research and Research Training Committee, those proposals that include methodologies requiring sampling of materials from human subjects will only be considered under this mechanism if the sampling method constitutes minimal patient risk (e.g., venipuncture) and patient samples or data are anonymous.
For applications where more invasive procedures are proposed or where patient samples or data will not be anonymous, please submit a Letter of Intent for a Clinical Research Award.
Also, the CF Foundation offers physician-scientist training awards, including the LeRoy Matthews Physician/Scientist Award and the Harry Shwachman Clinical Investigator Award.
Amount: varies
LOI: the CF Foundation will consider NIH applications that have received a competitive score but missed the payline under the CFF/NIH-unfunded award mechanism. These applications are accepted on an on-going basis.
Deadline: first Wednesday in September
To learn more**:** http://www.cff.org/research/ForResearchers/FundingOpportunities/ResearchGrants/
Key Words**: Cystic Fibrosis**

Training and Fellowships

Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellows In Nursing Research (F31)
New
PAR-10-211
National Institute of Nursing Research (NINR)
The purpose of the Ruth L. Kirschstein National Research Service Award (NRSA) for Individual Predoctoral Fellows in Nursing Research (F31) program is to train future generations of outstanding nurse scientists who are committed to research careers in scientific health-related fields relevant to the programmatic interests of the National Institute of Nursing Research (NINR). This FOA encourages Individual Predoctoral Fellowship (F31) applications from institutions/organizations that propose to increase the number of nurses prepared with a doctoral degree in order to meet the demands for adequately trained behavioral, biological, and biobehavioral

scientists. NINR is particularly interested in facilitating the progress of students who are in research training programs for recent nursing graduates and students in BSN to PhD programs. This fellowship program will provide predoctoral training support for doctoral students. The applicant should propose a research training program and dissertation research that is consistent with the scientific mission of the NINR.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-211.html
Key Words:

The William T. Grant Scholars Program
William T. Grant Foundation
The William T. Grant Scholars Program supports promising early-career researchers from diverse disciplines, who have demonstrated success in conducting high-quality research and are seeking to further develop and broaden their expertise.
Candidates are nominated by a supporting institution and must submit five-year research plans that demonstrate creativity, intellectual rigor, and a commitment to continued professional development.
Amount: $350,000
LOI: N/R
Deadline: July 7, 2010
To learn more: http://www.wtgrantfoundation.org/File%20Library/Funding%20Opportunities/FAQs%20for%20Scholars.doc
Key Words: **After School Program Evaluations, Youth Development, Policy and Practice that Affect Youth**

Postdoctoral Fellowships
Susan G. Komen for the Cure Foundation
PDF Grants seek to attract scientists into careers addressing important research questions about breast cancer, expand the skills and expertise of breast cancer researchers in training, and position trainees for independent careers conducting breast cancer research that will directly affect breast cancer patients..
Fellowships are awarded to the mentor/PI. By the start date of the grant, fellows must be no more than 3 years post-completion of his/her most recent clinical M.D. fellowship or 5 years post-completion of his/her most recent M.D. residency or Ph.D.
Amount: $180,000
LOI: September 22, 2010
Deadline: December 20, 2010
To learn more: http://ww5.komen.org/ResearchGrants/FundingOpportunities.html
Key Words:

Post Baccalaureate Training in Disparities Research
Susan G. Komen for the Cure Foundation
PBT-DR grants seek to support training for students very early in their careers to allow them to begin to define meaningful career paths focused on disparities in breast cancer outcomes across population groups.
Amount: $135,000
LOI: September 22, 2010
Deadline: December 20, 2010
To learn more: http://ww5.komen.org/ResearchGrants/FundingOpportunities.html
Key Words:

Mentored Research Scientist Research Career Development Award (K01)
PAR-09-087
Office of Extramural Research, Education and Priority Populations (OEREP)
The primary purpose of the AHRQ Mentored Research Scientist Research Career Development Awards (K01) program is to prepare qualified individuals for careers that have a significant impact on the quality, safety, efficiency, and effectiveness of health care for all Americans. This program represents the continuation of an AHRQ program that provides support and “protected time” to individuals with a research doctoral degree for an intensive, supervised research career development experience in health services research. The K01 award can be used both by individuals who propose to newly embark in heath services research training and those who had a hiatus in their research careers because of illness or family circumstances. The K01 award is also available to promote research workforce diversity by providing enhanced research career development opportunities.
Amount: varies
LOI: N/A
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-087.html

Key Words**: Health Services Research**

Ruth L. Kirschstein National Research Service Awards (NRSA) for Individual Senior Fellows (F33)
PA-09-211
NIH multiple agencies
The National Institutes of Health (NIH) awards individual senior level research training fellowships to experienced scientists who wish to make major changes in the direction of their research careers or who wish to broaden their scientific background by acquiring new research capabilities as independent investigators in research fields relevant to the missions of participating NIH Institutes and Centers.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-211.html
Key Words**: Fellowships, Senior Fellows**

Ruth L. Kirschstein National Research Service Awards (NRSA) for Individual Postdoctoral Fellows (F32)
PA-09-210
NIH multiple agencies
The purpose of this individual postdoctoral research training fellowship is to provide support to promising Fellowship Applicants with the potential to become productive, independent investigators in scientific health-related research fields relevant to the missions of participating NIH Institutes and Centers.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-210.html
Key Words**: Fellowships, Post-doc**

NCI Transition Career Development Award to Promote Diversity (K22)
PAR-08-047
NCI
This Funding Opportunity Announcement (FOA) represents the continuation of an NCI program to make possible the diversification of the cancer research workforce via facilitation of the transition of investigators from minority groups underrepresented in biomedical research, primarily those with clinical doctoral degrees as well as those with doctoral degrees working in the areas of cancer prevention, control, behavioral, or population science research, from the mentored stage of career development in academic cancer research to the independent stage. This goal is achieved by providing protected time through salary and research support for 3 years to: postdoctoral individuals or junior faculty in mentored positions transitioning into their first independent position; and investigators within the first 2 years of their first independent cancer research position, to initiate and develop their independently-supported cancer research programs.
Amount: 3 years of salary (up to $75,000 per annum plus fringe benefits) and research support up to $50,000 per annum.
LOI: N/R
Deadline: multiple, see listing
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-047.html
Key Words**:**

Research Experiences for Undergraduates (REU)
NSF-09-598
National Science Foundation (NSF)
The Research Experiences for Undergraduates (REU) program supports active research participation by undergraduate students in any of the areas of research funded by the National Science Foundation. REU projects involve students in meaningful ways in ongoing research programs or in research projects specifically designed for the REU program. This solicitation features two mechanisms for support of student research: (1) REU Sites are based on independent proposals to initiate and conduct projects that engage a number of students in research. REU Sites may be based in a single discipline or academic department, or on interdisciplinary or multi-department research opportunities with a coherent intellectual theme. Proposals with an international dimension are welcome. A partnership with the Department of Defense supports REU Sites in DoD-relevant research areas. (2) REU Supplements may be requested for ongoing NSF-funded research projects or may be included as a component of proposals for new or renewal NSF grants or cooperative agreements.
Undergraduate student participants in either Sites or Supplements must be citizens or permanent residents of the United States or its possessions.
Amount: unspecified
LOI: N/R

Deadline: August 25, 2010 and fourth Wednesday in August Annually Thereafter
To learn more: http://www.nsf.gov/pubs/2009/nsf09598/nsf09598.htm?govDel=USNSF_25
Key Words: **Undergraduate Fellowships**

Doctoral Dissertation Improvement Grants in the Directorate for Biological Sciences

NSF 08-564
National Science Foundation
The National Science Foundation awards Doctoral Dissertation Improvement Grants in selected areas of the biological sciences. These grants provide partial support of doctoral dissertation research to improve the overall quality of research. Allowed are costs for doctoral candidates to participate in scientific meetings, to conduct research in specialized facilities or field settings, and to expand an existing body of dissertation research.
Amount: varies
LOI: N/R
Deadline: Third Friday in November, Annually
To learn more: http://www.nsf.gov/pubs/2008/nsf08564/nsf08564.htm?govDel=USNSF_25
Key Words: **Biological Sciences, Biomedical Research Resources, Biomedical Research Training, Health and Medicine**

NLM Independent Career Development Award for Biomedical Informatics (K22)

PAR-10-195
National Library of Medicine (NLM)
The purpose of the NLM Independent Career Development Award for Biomedical Informatics (K22) program is to facilitate the transition of investigators from the mentored to the independent stage of their careers by providing "protected time" for newly independent investigators to develop and receive support for their initial research programs. The award applies to biomedical informaticians who are pursuing research in clinical informatics, public health informatics or translational informatics. Preference will be given to candidates who received their informatics training at one of NLMs university-based training programs in biomedical informatics.
Amount: $405,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-195.html
Key Words:

Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellows (Parent F31)

PA-10-108
National Institutes of Health (NIH)
Multiple Institutes
The purpose of this individual predoctoral research training fellowship is to provide support for promising doctoral candidates who will be performing dissertation research and training in scientific health-related fields relevant to the missions of the participating NIH Institutes and Centers (ICs) during the tenure of the award. Mechanism of Support. This FOA will utilize the NIH Ruth L. Kirschstein Individual Predoctoral National Research Service Award (NRSA) award mechanism (F31).
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-108.html
Key Words: **Aging, Substance Abuse, Communications Disorders, Dental and Craniofacial Research, Mental Health, Neurological Disorders, Stroke, CAM**

Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellowships to Promote Diversity in Health-Related Research (Parent F31 - Diversity)

PA-10-109
National Institutes of Health (NIH)
Multiple Institutes
The purpose of this individual predoctoral research training fellowship is to improve the diversity of the health-related research workforce by supporting the training of predoctoral students from groups that have been shown to be underrepresented. Such candidates include individuals from underrepresented racial and ethnic groups, individuals with disabilities, and individuals from disadvantaged backgrounds.
Amount: varies
LOI: N/R
Deadline: Standard dates apply

To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-109.html
Key Words**: Cancer, Eye Diseases, Heart, Lung, Blood, Genome Research, Aging, Substance Abuse, Allergy, Infectious Disease, Arthritis, Musculoskeletal Diseases, Skin Diseases, Bioimaging, Bioengineering, Child Health, Communication Disorders, Dental and Craniofacial Research, Diabetes, Digestive and Kidney Diseases, Environmental Health, General Medicine, Neurological Disorders, Stroke, Nursing, CAM**

Independent Scientist Award (Parent K02)
PA-10-057
National Institutes of Health (NIH)
multiple institutes
The purpose of the NIH Independent Scientist Award (K02) is to foster the development of outstanding scientists and enable them to expand their potential to make significant contributions to their field of research. The K02 award provides three, four, or five years of salary support and protected time for newly independent (see IC provisions) scientists who can demonstrate the need for a period of intensive research focus as a means of enhancing their research careers. Each independent scientist career award program must be tailored to meet the individual needs of the candidate. Prospective candidates are encouraged to contact the relevant Institute or Center (IC) staff for IC-specific programmatic and budgetary information: Table of Institute and Center Contacts.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-057.html
Key Words**: K Awards**

Ruth L. Kirschstein National Research Service Awards (NRSA) for Individual Postdoctoral Fellows (Parent F32)
Individual Senior Fellows (Parent F33)
PA-10-110 and PA-10-111
National Institutes of Health (NIH)
Multiple Institutes
The purpose of this individual postdoctoral research training fellowship is to provide support to promising Fellowship Applicants with the potential to become productive, independent investigators in scientific health-related research fields relevant to the missions of participating NIH Institutes and Centers.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-110.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-111.html
Key Words**: Cancer, Eye Diseases, Heart, Lung, Blood, Genome Research, Aging, Substance Abuse, Allergy, Infectious Disease, Arthritis, Musculoskeletal Diseases, Skin Diseases, Bioimaging, Bioengineering, Child Health, Communication Disorders, Dental and Craniofacial Research, Diabetes, Digestive and Kidney Diseases, Environmental Health, General Medicine, Neurological Disorders, Stroke, Nursing, CAM**

NIH Support for Conferences and Scientific Meetings (Parent R13/U13)
PA-10-071
National Institutes of Health (NIH)
multiple institutes
The purpose of the NIH Research Conference Grant Program (R13 and U13) is to support high quality conferences/scientific meetings that are relevant to the scientific mission of the NIH and to the public health. A conference/scientific meeting is defined as a gathering, symposium, seminar, scientific meeting, workshop or any other organized, formal meeting where persons assemble to coordinate, exchange, and disseminate information or to explore or clarify a defined subject, problem, or area of knowledge. Each NIH Institute and Center (IC) has a scientific purview and different program goals and initiatives that evolve over time.
Amount: varies
LOI: Advance permission to submit an application must be requested early in the process and no later than 6 weeks before the application submission date. The letter from the NIH documenting advance permission must be included in the Cover Letter component of
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-071.html
Key Words**: Conference, Meeting**

NIH Pathway to Independence Award (Parent K99/R00)

PA-10-063
National Institutes of Health (NIH)
multiple institutes
The primary purpose of the Pathway to Independence Award (K99/R00) program is to increase and maintain a strong cohort of new and talented NIH-supported independent investigators. The program is designed to facilitate a timely transition from a mentored postdoctoral research position to a stable independent research position with independent NIH or other independent research support at an earlier stage than is currently the norm.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-063.html
Key Words**: K Awards**

Midcareer Investigator Award in Patient-Oriented Research (Parent K24)
PA-10-061
National Institutes of Health (NIH)
multiple institutes
The purpose of the NIH Midcareer Investigator Award in Patient-Oriented Research (K24) is to provide support to mid-career health-professional doctorates or equivalent who are typically at the Associate Professor level or the equivalent (see Section III. Eligible Individuals) for protected time to devote to patient-oriented research (POR) and to act as research mentors primarily for clinical residents, clinical fellows and/or junior clinical faculty.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-061.html
Key Words**: K Awards**

Mentored Clinical Scientist Research Career Development Award (Parent K08)
PA-10-059
National Institutes of Health (NIH)
multiple institutes
The primary purpose of the NIH Mentored Clinical Scientist Research Career Development Awards (K08) program is to prepare qualified individuals for careers that have a significant impact on the health-related research needs of the Nation. This program represents the continuation of a long-standing NIH program that provides support and protected time to individuals with a clinical doctoral degree for an intensive, supervised research career development experience in the fields of biomedical and behavioral research, including translational research. Individuals with a clinical doctoral degree interested in pursuing a career in patient-oriented research should refer to the NIH Mentored Patient-Oriented Research Career Development Award (Parent K23).
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-059.html
Key Words**: K Awards, Clinical**

Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral MD/PhD and Other Dual Doctoral Degree Fellows (Parent F30)
PA-10-107
National Institutes of Health (NIH)
Multiple Institutes
The purpose of the Ruth L. Kirschstein National Research Service Awards (Kirschstein-NRSA) is to provide support to individuals for combined MD/PhD and other dual doctoral degree training (e.g. DO/PhD, DDS/PhD, AuD/PhD). The participating Institutes award this Kirschstein-NRSA individual fellowship (F30) to qualified applicants with the potential to become productive, independent, highly trained physician-scientists and other clinician-scientists, including patient-oriented researchers in their scientific mission areas. This funding opportunity supports individual predoctoral F30 fellowships with the expectation that these training opportunities will increase the number of future investigators with both clinical knowledge and skills in basic, translational or clinical research.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-107.html
Key Words**: Aging, Substance Abuse, Communications Disorders, Dental and Craniofacial Research, Diabetes, Digestive and Kidney Disease, Environmental Health Sciences, Mental Health**

Mentored Research Scientist Development Award (Parent K01)
PA-10-056
National Institutes of Health (NIH)
multiple institutes
The purpose of the NIH Mentored Research Scientist Development Award (K01) is to provide support and protected time (three, four, or five years) for an intensive, supervised career development experience in the biomedical, behavioral, or clinical sciences leading to research independence. Although all of the participating NIH Institutes and Centers (ICs) use this support mechanism to support career development experiences that lead to research independence, some ICs use the K01 award for individuals who propose to train in a new field or for individuals who have had a hiatus in their research career because of illness or pressing family circumstances. Other ICs utilize the K01 award to increase research workforce diversity by providing enhanced research career development opportunities. Prospective candidates are encouraged to contact the relevant NIH staff for IC-specific programmatic and budgetary information: Table of Institute and Center Contacts.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-056.html
Key Words**: K Awards**

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) and (T35)
PA-10-036 and PA-10-037
National Institutes of Health (NIH)
multiple institutes
The National Institutes of Health (NIH) will award Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) to eligible institutions as the primary means of supporting predoctoral and postdoctoral research training to help ensure that a diverse and highly trained workforce is available to assume leadership roles related to the Nation's biomedical, behavioral and clinical research agenda. The primary objective of the T32 program is to prepare qualified individuals for careers that have a significant impact on the health-related research needs of the Nation. This program supports predoctoral and postdoctoral research training programs (including those with short term research training) at domestic institutions of higher education with the T32 funding mechanism. Note that programs solely for short-term research training should not apply to this announcement, but rather the separate (T35) NRSA Short-Term Institutional program exclusively reserved for predoctoral and/or postdoctoral level short-term research training programs
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-036.html and http://grants.nih.gov/grants/guide/pa-files/PA-10-037.html
Key Words**: Health Related Research, Predoctoral, Postdoctoral**

Academic Career Award (Parent K07)
PA-10-058
National Institutes of Health (NIH)
multiple institutes
The purpose of the NIH Academic Career Award (K07) is to provide support to increase the pool of individuals with academic and research expertise to become academic researchers and to enhance the educational or research capacity at the grantee sponsoring grantee institution. The Academic Career Award supports K07 Development awards for more junior level candidates and K07 Leadership awards for more senior individuals with acknowledged scientific expertise and leadership skills.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-058.html
Key Words**: K Awards**

Independent Scientist in Global Health Award (ISGHA) (K02)
PAR-10-065
National Institutes of Health (NIH)
Fogarty International Center (FIC)

The purpose of the Independent Scientist Award in Global Health (K02) is to foster the development of outstanding scientists and enable them to expand their potential to make significant contributions to their field of research in global health. The K02 award provides three, four, or five years of research and salary support, and "protected time" for newly independent scientists who can demonstrate the need for a period of intensive research focus as a means of enhancing their research careers. Each independent scientist career award program must be tailored to meet the individual needs of the candidate.
Amount: varies
LOI: N/R
Deadline: March 1, 2011; March 1, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-065.html
Key Words**: Global Health**

Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellows inPharmD/PhD Programs (F31)

PA-09-029
National Institutes of Health (NIH)
The National Institute of General Medical Sciences (NIGMS) will provide individual predoctoral research training fellowship awards to promising pharmacy students who are enrolled in a PharmD/PhD degree program whose dissertation projects are in areas relevant to the research mission of NIGMS. Applicants must have a baccalaureate degree and must be enrolled in a formally combined PharmD./PhD program in the biomedical, behavioral, or clinical sciences. Applicants must be at the dissertation research stage of their doctoral training. Applicants must also show evidence of both high academic performance in the sciences and substantial interest in areas of high priority to NIGMS.
Amount: annual stipend ($20,772)
LOI: N/R
Deadline: Standard dates for Individual Kirschstein-NRSA awards apply.
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-029.html
Key Words**: Fellowship, Pre-Doctoral, Thesis, PharmD/PhD**

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) - PA-06-468/PA-08-226

PA-06-468/PA-08-226
National Institutes of Health (NIH)
The objective of the National Research Service Award (NRSA) program is to provide predoctoral and postdoctoral research training opportunities for individuals interested in pursuing research careers in biomedical, behavioral and clinical research. Each NIH Institute and Center has a unique scientific purview and different program goals and initiatives that evolve over time. It is therefore critical that all applicants consult with the scientific/research contact at the relevant NIH Institute or Center for current information about program priorities and policies before preparing an application. This action is of utmost importance because applications with marginal or no relevance to the NIH awarding components participating in this funding opportunity announcement will not be accepted for review or considered for funding.
Amount: varies
LOI: N/R
Deadline: Jan 25 annually; May 25 annually
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-226.html
Key Words**: Alcohol or Alcoholism, Allergy, Alternative Medicine, Arthritis, Biomedical Research (Multidisciplinary), Blood Diseases, Cancer or Carcinogenesis, Cardiovascular Diseases, Deafness, Diabetes, Digestive Diseases and Disorders, Drug Abuse Prevention, Environmental Health, Eye Diseases, Genomics, Geriatrics, Infectious Diseases or Agents, Internal Medicine, Mental Health, Musculoskeletal Diseases, Neurological Disorders, Nursing Education, Nutrition or Dietetics, Pediatrics, Pulmonary Diseases, Respiratory Diseases, Substance Abuse**

Research Supplements to Promote Diversity in Health-Related Research

PA-08-190
National Institutes of Health (NIH)
The National Institutes of Health (NIH) and the Centers for Disease Control and Prevention (CDC) hereby notify Principal Investigators holding specific types of NIH research grants, listed in the full Funding Opportunity Announcement (FOA) that funds are available for administrative supplements to improve the diversity of the research workforce by supporting and recruiting students, postdoctorates, and eligible investigators from groups that have been shown to be underrepresented. Although the administrative supplements supported under this program provide funding for less than one percent of all individuals involved in NIH supported research, the NIH has found these awards to be an effective means of encouraging institutions to recruit from currently underrepresented groups. Administrative supplements must support work within the scope of the original project.
Amount: varies
LOI: N/R

Deadline: Applications can be received at any time
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-190.html
Key Words: **Recruitment Supplements**

Research Supplements to Promote Re-Entry into Biomedical and Behavioral Research Careers
PA-08-191
National Institutes of Health (NIH)
The Office of Research on Women's Health (ORWH), participating Institutes and Centers (ICs) of the National Institutes of Health (NIH), and the Office of Dietary Supplements (ODS) announce a continuing program for administrative supplements to research grants to support individuals with high potential to re-enter an active research career after a qualifying interruption for family or other responsibilities.
Amount: varies
LOI: N/R
Deadline: Applications can be received at any time
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-191.html
Key Words: **Recruitment Supplements**

NIDA Mentored Clinical Scientists Development Program Award in Drug Abuse and Addiction (K12)
PAR-10-177
National Institute on Drug Abuse (NIDA)
The goal of NIH-supported career development programs is to help ensure that a diverse pool of highly trained scientists is available in adequate numbers and in appropriate research areas to address the Nations biomedical, behavioral, and clinical research needs. This funding opportunity announcement (FOA) encourages applications for institutional research career development (K12) programs that propose to support intensive supervised research training and career development experiences for clinician scientists (scholars) leading to research independence in the area of drug abuse and addiction. Candidates selected for support as scholars must hold a clinical or research doctorate and can commit a minimum of 9 person-months (equivalent to 75% of full-time professional effort) conducting clinical research and career development activities associated with the proposed program.
Amount: $500,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-177.html
Key Words:

Ruth L. Kirschstein National Research Service Awards for Individual, Minority, and MD/PhD Predoctoral Fellows (F31) and (F30)
PA-09-208 and PA-09-209 and PA-05-151
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute on Deafness and Other Communication Disorders (NIDCD)
National Institute of Dental and Craniofacial Research (NIDCR)
National Institute on Drug
The purpose of this individual predoctoral research training fellowship is to provide support for promising doctoral candidates who will be performing dissertation research and training in scientific health-related fields relevant to the missions of the participating NIH Institutes and Centers (ICs) during the tenure of the award.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-208.html and http://grants.nih.gov/grants/guide/pa-files/PA-09-209.html and http://grants.nih.gov/grants/guide/pa-files/PA-05-151.html
Key Words: **Health Science Fellowships, Diversity and Minority Fellowships**

Paul B. Beeson Patient-Oriented Research Career Development Award in Aging (K23)
RFA-AG-10-011
National Institute on Aging (NIA)
National Institute of Mental Health (NIMH)
National Institute of Neurological Disorders and Stroke (NINDS)
Office of Dietary Supplements (ODS)

This program provides three to five years of mentored career development support to clinically trained faculty members in strong research environments who have made a commitment to focus their research endeavors on patient-oriented research. The award will enable them to gain skills and experience in aging research under the guidance of a mentor or mentors, and to establish an independent program of research in this field. Clinically trained professionals or individuals with a clinical degree who are interested in further career development in biomedical research that is not patient-oriented should refer to the Paul B. Beeson Clinical Scientist Career Development Award in Aging (K08) [AG-10-010].The program also includes an annual meeting that allows opportunities to partner with national mentors and fellow awardees.
Amount: $800,001
LOI: December 14, 2010
Deadline: January 14, 2011
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-10-011.html
Key Words**: Clinical, Aging**

Aging Research Dissertation Awards to Increase Diversity (R36)
PAR-08-250
National Institute on Aging (NIA)
The National Institute on Aging (NIA) announces the reissuance of a Funding Opportunity Announcement (FOA) that provides dissertation awards (R36) in all areas of research within NIA's mandate to increase diversity of the research workforce on research on aging and aging-related health conditions. These awards are available to qualified Predoctoral students in accredited research doctoral programs in the United States (including Puerto Rico and other U.S. territories or possessions).
Amount: $250,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-08-250.html
Key Words**: Geriatrics, Gerontology**

NINR Career Transition Award (K22)
PAR-09-067
National Institute of Nursing Research (NINR)
The purpose of the NINR Career Transition Award (K22) program is to provide up to 5 years of support consisting of two phases. The initial phase will provide up to 2 years of mentored intramural experience for highly promising, postdoctoral research scientists in an NIH intramural program. This phase will be followed by up to 3 years of extramural support contingent on securing an independent tenure-track or equivalent research position. The NINR Career Transition award is limited to postdoctoral trainees who propose research relevant to the mission of the National Institute of Nursing Research (NINR)
Amount: $100,000
LOI: 30 days before due date
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-067.html
Key Words**: Nursing Research**

NINR Mentored Research Scientist Development Award for Underrepresented or Disadvantaged Investigators (K01)
PAR-09-074
National Institute of Nursing Research (NINR)
The purpose of the NINR Mentored Research Scientist Development Award for Underrepresented or Disadvantaged Investigators (K01) is to provide support and "protected time" (three, four, or five years) for an intensive, supervised career development experience in the biomedical, behavioral, or clinical sciences leading to research independence.
Mechanism of Support: This Funding Opportunity Announcement (FOA) will utilize the NIH Mentored Research Scientist Development Award (K01) mechanism.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-074.html
Key Words**: Nursing Research**

Ruth L. Kirschstein National Research Service Award (NRSA) for Individual Predoctoral Fellows in Nursing Research (F31)
PAR-09-227

National Institute of Nursing Research
This FOA issued by the National Institute of Nursing Research (NINR/NIH), National Institutes of Health, encourages Individual Predoctoral Fellowship (F31) applications from institutions/organizations that propose to increase the number of nurses prepared with a doctoral degree in order to meet the demands for adequately trained behavioral, biological, and biobehavioral scientists. NINR is particularly interested in facilitating the progress of students who are in research training programs for recent nursing graduates and students in BSN to PhD programs. This fellowship program will provide predoctoral training support for doctoral students. The applicant must propose a research training program and dissertation research that is consistent with the scientific mission of the NINR. Research topics and skills that will serve as a foundation for an ongoing program of research are of particular interest. The research training experience must enhance the applicant's conceptualization of research problems and research skills, under the guidance and supervision of a committed mentor who is an active and established investigator in the area of the applicant's proposed research. The research training program should be carried out in a research environment that includes appropriate human and technical resources and is demonstrably committed to the research training of the applicant in the program he/she proposes in the application.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-227.html
Key Words**: Nursing Fellowships**

International Neuroscience Fellowship (F05)

PAR-10-167
National Institute of Neurological Disorders and Stroke (NINDS)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Eunice Kennedy Shriver National Institute of Child Health & Human Development (NICHD)
National Ins
The goal of the International Neuroscience Fellowship (INF) is to advance the training of qualified foreign neuroscientists and clinicians at the early or mid-career level, by enhancing their basic, translational or clinical research skills in a research setting in the United States (U.S.). This program aims to strengthen the intellectual capital of neuroscience research in international institutions. Awardees are expected to pursue future independent and productive careers, which stimulate research in the neurosciences on a global scale.
Amount: unspecified
LOI: July 16, 2010, 2011, 2012
Deadline: August 16, 2010, 2011, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-167.html
Key Words**: Neuroscience Fellows**

NINDS Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellows in MD-PhD programs (F31)

PAR-10-091
National Institute of Neurological Disorders and Stroke (NINDS)
The purpose of this individual predoctoral research training fellowship is to provide support for promising doctoral candidates who are enrolled in combined MD-PhD programs, who will be performing dissertation research and training in scientific health-related fields relevant to the mission of the National Institute of Neurological Disorders and Stroke.
Amount: limited to 5 years support
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-091.html
Key Words**: MD/PhD Programs**

Career Development Award to Promote Diversity in Neuroscience Research (K01)

PAR-09-065
National Institute of Neurological Disorders and Stroke (NINDS)
The purpose of the NIH Mentored Research Scientist Development Award (K01) is to provide support and “protected time” (three, four, or five years) for an intensive, supervised career development experience in the biomedical, behavioral, or clinical sciences leading to research independence. The goal of the NINDS K01 is to diversify the pool of independent neuroscience research investigators. The NINDS recognizes the unique and compelling need to promote diversity in participation in neuroscience research and expects these efforts to diversify the neuroscience research workforce to lead to the recruitment of the most talented researchers from all groups.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-065.html

Key Words**: Neurology, Neurological Research**

Mental Health Dissertation Research Grant to Increase Diversity (R36)

PAR-09-132
National Institute of Mental Health (NIMH)
The purpose of this funding opportunity is to increase the diversity of the mental health research workforce. It will enable qualified doctoral candidates to pursue research careers in any area relevant to the research mission of the National Institute of Mental Health (NIMH). These awards are available to US citizens or permanent residents who are predoctoral students advanced to candidacy in accredited research doctoral programs in the United States (including Puerto Rico and other U.S. territories or possessions).
Amount: see program announcement
LOI: 30 days prior to Application Due Date
Deadline: August 24, 2010; December 22, 2010; April 22, 2011; August 24, 2011; December 22, 2011 (including resubmissions)
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-132.html
Key Words**: Doctoral Training Support, Mental Health Professions**

Ruth L. Kirschstein National Research Service Awards (NRSA) for Individual Predoctoral Fellows in PharmD/PhD Programs (F31)

PA-10-178
National Institute of General Medical Sciences (NIGMS)
Eunice Kennedy Shriver National Institute of Child Health and Human Development (CHHD)
Office of Dietary Supplements (ODS)
The purpose of this individual predoctoral research training fellowship is to provide support for promising students enrolled in a PharmD/PhD degree program who will be performing dissertation research and training in areas relevant to the missions of NIGMS, NICHD, and the Office of Dietary Supplements. Mechanism of Support. This FOA will utilize the NIH Ruth L. Kirschstein Individual Predoctoral National Research Service Award (NRSA) award mechanism (F31).
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-10-178.html
Key Words**:**

Short Term Career Development Award in the Environmental Health Sciences for Established Investigators (K18)

PAR-09-090
National Institute of Environmental Health Sciences (NIEHS)
The purpose of these short term career development awards is to allow established, well funded clinician investigators to expand research programs to answer questions relevant to the environmental health sciences, and to provide established environmental health sciences research investigators the tools to expand their efforts to translational research.
Amount: varies
LOI: N/A
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-090.html
Key Words**: Environmental Health Sciences**

NIDDK Education Program Grants (R25)

PAR-10-092
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
Office of Dietary Supplements (ODS/NIH)
This funding opportunity announcement (FOA) encourages Research Education (R25) grant applications from applicant organizations that propose to create educational opportunities to attract undergraduate students, graduate students, and postdoctoral fellows to careers in areas of biomedical or behavioral research of particular interest to the NIDDK, while fostering the career development of these students and fellows. The NIDDK is especially interested in attracting students and postdoctoral fellows from scientific disciplines underrepresented in disease-oriented biomedical research, such as engineering, informatics, computer science, and computational sciences, to encourage them to apply their expertise to research relevant to diabetes and other endocrine and metabolic diseases; digestive and liver diseases; nutrition; obesity research and prevention; and kidney, urologic and hematologic diseases.
Amount: $500,000
LOI: N/R
Deadline: Standard dates apply for the remaining cycles

To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-092.html
Key Words: **Diabetes, Obesity, Nutrition, Informatics, Hematologic Diseases**

NIDDK Small Grants for Clinical Scientists to Promote Diversity in Health-Related Research (R03)

PAR-09-223
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
Office of Dietary Supplements (ODS)
The purpose of this funding opportunity announcement (FOA) is to provide support for clinical scientists from underrepresented racial/ethnic backgrounds, disadvantaged backgrounds or clinical scientists with disabilities to conduct small research projects in the area of diabetes, endocrinology, metabolism, digestive diseases, hepatology, obesity, nutrition, kidney, urology, or hematology. The NIDDK and the ODS recognize the need to promote diversity in the health-related workforce by increasing the number of highly trained clinical researchers from diverse backgrounds conducting research in areas of importance to the NIDDK. This FOA is aimed at New Investigators (see Section III.1.B. for definition) who hold a health professional doctoral degree or other clinical doctoral degree AND who are from a group that have been shown to be underrepresented in biomedical research (see eligible PD/PI for full definition). The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.
Amount: $375,000
LOI: 30 days prior to application date
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-223.html
Key Words: **Diabetes, Endocrinology, Digestive Diseases, Training Grants**

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Training for a Dental and Craniofacial Research Workforce (T32)

PAR-10-171
National Institute of Dental and Craniofacial Research (NIDCR)
The National Institute of Dental and Craniofacial Research (NIDCR) will award T32 Institutional Training grants to eligible institutions that are committed to supporting predoctoral and postdoctoral research training as a means to help ensure that a diverse and highly trained workforce is available to address the Nations health related needs in dental, oral, and craniofacial research. This NIDCR program is designed in recognition of the need to develop a cadre of highly qualified independent scientists who can successfully address basic, behavioral, and clinical research questions to improve oral, dental and craniofacial health. Trainees are required to pursue full-time research training. Priority will be given to programs that present plans and evidence that they will train dentist scientists either as predoctoral dual degree dentist scientists, dentists receiving PhD training or dentists training in a postdoctoral research experience.
Amount: $4,000,000
LOI: August 25, 2010, 2011, 2012
Deadline: September 25, 2010, 2011, 2012
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-171.html
Key Words: **Oral, Dental and Craniofacial Health**

NIDCR Individual NRSA Predoctoral Dental Scientist Fellowship (F30)

PAR-08-119
National Institute of Dental and Craniofacial Research (NIDCR)
The National Institute of Dental and Craniofacial Research (NIDCR) seeks new Ruth L. Kirschstein National Research Service Award (NRSA) applications for an Individual Predoctoral Dental Scientist Fellowship (PDSF). The purpose of the PDSF is to offer an integrated dental and graduate research training program that leads to attainment of both the DDS/DMD and PhD (or equivalent) degrees.
Amount: $50,000/year
LOI: N/R
Deadline: Standard NRSA receipt dates of April 8, August 8 and December 8
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-119.html
Key Words: **Dentistry, Dental Training, Dental Fellowships**

NIDCR Dentist Scientist Pathway to Independence Award (K99/R00)

PAR-09-256
National Institute of Dental and Craniofacial Research (NIDCR)

The primary purpose of the Pathway to Independence Award (K99/R00) program is to increase and maintain a strong cohort of new and talented NIH-supported independent investigators. The program is designed to facilitate a timely transition from a mentored postdoctoral research position to a stable independent research position with independent NIH or other independent research support at an earlier stage than is currently the norm.
Amount: $1,445,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-256.html
Key Words**: Training Grants**

Institutional Training for a Dental and Craniofacial Research Workforce (T90/R90)

PAR-10-170
National Institute of Dental and Craniofacial Research (NIDCR)
The National Institute of Dental and Craniofacial Research (NIDCR) will award T90/R90 grants to eligible institutions that are committed to supporting predoctoral and postdoctoral research training as a means to help ensure that a diverse and highly trained workforce is available to address the Nations health related needs in dental, oral, and craniofacial research. This NIDCR program is designed in recognition of the need to develop a cadre of highly qualified independent scientists who can successfully address basic, behavioral, and clinical research questions to improve oral, dental and craniofacial health. Trainees are required to pursue full-time research training. Priority will be given to programs that present plans and evidence that they will train dentist scientists either as predoctoral dual degree dentist scientists, dentists receiving PhD training or dentists training in a postdoctoral research experience.
Amount: $4,000,000
LOI: August 25, 2010, 2011, 2012
Deadline: September 25, 2010, 2011, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-170.html
Key Words**: Oral, Dental and Craniofacial Health**

Mentored Research Scientist Development Award (K01)

PAR-10-132
National Institute for Occupational Safety and Health (NIOSH)
The goal of the NIOSH Mentored Research Scientist Development Award (K01) is to help ensure the availability of adequate numbers of highly trained scientists to address occupational health and safety and to provide new occupational health and safety scientists and educators with appropriate mentoring. The purpose of the K01 is to provide support and 75% “protected time” for an intensive, supervised career development experience in occupational health and safety research leading to research independence.
Amount: $300,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-132.html
Key Words**: Occupational Health and Safety**

NHLBI Career Transition Award (K22)

PAR-09-102
National Heart, Lung, and Blood Institute (NHLBI)
The purpose of the NHLBI Career Transition Award (K22) program is to provide highly qualified postdoctoral fellows with an opportunity to receive mentored research experience in the NHLBI Division of Intramural Research and then to provide them with bridge funding to facilitate the transition of their research programs as new investigators at extramural institutions. To achieve these objectives, the NHLBI Career Transition Award will support two phases of research: an intramural phase (two years) and an extramural phase (three years), for a total of five years of combined support. Transition from the intramural phase of support to the extramural phase is not automatic. Approval of the transition will be based on the success of the awardees research program as determined by an NHLBI progress review, which will include an evaluation of a research plan to be carried out at the extramural institution.
Amount: $747,000 extramural
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-102.html
Key Words**: Cardiovascular Fellowships, Post-Doctoral Training**

NHLBI Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral MD/PhD Fellows (F30)

PA-09-232
National Heart, Lung and Blood Institute (NHLBI)

The National Heart, Lung, and Blood Institute (NHLBI) is interested in supporting individual predoctoral fellowships for combined MD/PhD training in research areas relevant to the mission of the NHLBI. The NHLBI mission is to provide leadership for national programs in diseases of the heart, blood vessels, lung, and blood; blood resources; and sleep disorders.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-232.html
Key Words**: MD/PhD Fellowships**

NEI Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) for Statistical Genetics and Genome Informatics

RFA-EY-10-001
National Eye Institute (NEI)
The NEI Institutional Research Training Grants (T32) for Statistical Genetics and Genome Informatics is a Ruth L. Kirschstein National Research Service Award program that is intended to support predoctoral and postdoctoral training at institutions having the potential to develop meritorious training programs in genomic medicine, computational genomics, and statistical genetics. The goal of this program is to initiate a training program to develop ophthalmic statistical genetics and bioinformatics research skills critical for investigators seeking to identify genes and genetic variations underlying ocular diseases. This training program is designed to attract individuals in early career stages, in order to increase their knowledge and awareness of research in the genetics of ophthalmic disorders, and to encourage them to pursue research career opportunities in these scientific fields. Such training will help meet a growing need for investigators trained in computational genomics related to basic biomedical, clinical, and translational ophthalmic research.
Amount: $1,500,000
LOI: N/R
Deadline: May 18, 2011 and 2012
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-EY-10-001.html
Key Words**: Genomic Medicine, Ocular Diseases**

The NEI Mentored Clinical Scientist Development Program Award (K12)

PAR-10-166
National Eye Institute (NEI)
The purpose of the NEI Mentored Clinical Scientist Development Program Award (K12) is to facilitate and support the career development of clinical vision scientists who have made a commitment to independent research careers. It will allow institutions to provide two to five years of comprehensive individualized career development training for selected clinically trained professionals (DO, DVM, MD, MD/PhD, OD, and PhD) who have the potential to develop into productive vision clinician-scientists. Under this award, recently trained clinicians are to be selected and appointed to the program by the grantee institution.
Amount: $5,625,000
LOI: N/R
Deadline: May 13, 2011
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-166.html
Key Words**: Clinical Visual Research**

Paul Calabresi Career Development Award for Clinical Oncology (K12)

PAR-10-155
National Cancer Institute (NCI)
This funding opportunity announcement (FOA) issued by the National Cancer Institute (NCI) encourages applications for institutional research career development (K12) programs from applicant organizations that propose to promote the training and career development of translational and clinical trials researchers. The purpose of the Paul Calabresi Career Development Award in Clinical Oncology (PCACO) K12 (NIH Institutional Research Career Development K12 grant mechanism) is to increase the number of clinicians (M.D.s, D.O.s, Pharm.D.s) and basic research scientists (Ph.D.s. or equivalents) who are trained to design and administer hypothesis-based pilot/Phase I, Phase II, and Phase III cancer therapeutic clinical trials in team research settings. A PCACO can support the research career development of clinicians only (single-track program) or clinicians and Ph.D. basic research scientists (dual-track program). Clinical and basic research scientists will collaborate and interact to expedite the translation of basic science research discoveries into patient-oriented therapeutic cancer research. The PCACO is not intended to train laboratory-based scientists whose research will be primarily focused upon the use of animal or other model systems.
Amount: $5,250,000
LOI: N/R
Deadline: June 10, 2011; June 11, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-155.html
Key Words**: Cancer, Clinical Trial Researchers, Training**

NCI Transition Career Development Award to Promote Diversity (K22)
PAR-09-069
National Cancer Institute (NCI)
The purpose of the National Cancer Institute (NCI) Career Transition Award (K22) is to help ensure that a diverse pool of highly trained scientists are available in adequate numbers and in appropriate research areas to address the nation's biomedical, behavioral, and clinical research needs. The Diversity Training Branch (DTB), the Center to Reduce Cancer Health Disparities (CRCHD) (http://crchd.cancer.gov/), and the Office of the Director (OD) (http://www.nih.gov/icd/od/), invite applications from recipients of the NCI Mentored Career Development Award to Promote Diversity, or from advanced postdoctoral and/or newly independent research scientists representative of groups that are underrepresented in biomedical, behavioral, clinical, and/or social sciences. This award will provide "protected time" for recipients to develop and receive support for their initial cancer research program. In addition, this award can provide a two-year mentored experience in NCI intramural programs for interested individuals. The unique feature of this award is that the individuals may apply without a sponsoring institution while they are still in a mentored position.
Amount: $450,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-069.html
Key Words**: Cancer, Under-Represented Minorities**

Established Investigator Award in Cancer Prevention & Control (K05)
PAR-09-088
National Cancer Institute (NCI)
The NCI Established Investigator Award (K05) provides qualified cancer prevention, control, behavioral, and/or population scientists with protected time to devote to research and to mentoring new investigators.
Amount: salary support + $25,000/year
LOI: N/A
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-09-088.html
Key Words**: Molecular Epidemiology, Community and Social Variables of Cancer**

National Cancer Institute (NCI) Cancer Education and Career Development Program (R25)
PAR-10-165
National Cancer Institute (NCI)
The purpose of the CECDP is to support the development and implementation of institutional curriculum-dependent predoctoral/postdoctoral programs in the areas of cancer prevention and control, behavioral and population sciences research, nutrition, epidemiology, and/ or biostatistics.
Amount: $500,000
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-165.html
Key Words**: Educational Program Development, Cancer**

Midcareer Investigator Award in Patient-Oriented Research (K24)
PA-08-151
Health and Human Services; Multiple Agencies
The purpose of the Midcareer Investigator Award in Patient-Oriented Research is to provide support to mid-career health-professional doctorates or equivalent who are typically at the Associate Professor level or the equivalent (see Section III. Eligible Individuals) for protected time to devote to patient-oriented research (POR) and to act as research mentors primarily for clinical residents, clinical fellows and/or junior clinical faculty. The intent of this award is two-fold: 1) to enable mid-career clinician scientists to devote more time and to augment their capabilities in patient-oriented research; and 2) to enable mid-career clinical scientists to mentor new clinical investigators in the conduct of patient-oriented research. An award recipient who continues to have an independent peer-reviewed patient-oriented research program and continues to provide mentoring to new investigators can continue to contribute to the overall goals of the program after being promoted to Full professor.
Amount: 3-5 years support
LOI: N/R
Deadline: multiple
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-08-151.html
Key Words**:**

Postdoctoral Research Training in Pediatric Clinical and Developmental Pharmacology (T32)
RFA-HD-10-005
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
The National Institutes of Health (NIH) will award Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) to eligible institutions as the primary means of supporting predoctoral and postdoctoral research training to help ensure that a diverse and highly trained workforce is available to assume leadership roles related to the Nations biomedical, behavioral and clinical research agenda. The primary objective of the T32 program is to prepare qualified individuals for careers that have a significant impact on the health-related research needs of the Nation. This FOA issued by The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), solicits grant applications from institutions/ organizations that propose to develop clinician-scientists who will be leaders in the field of pediatric clinical pharmacology research. Individuals in these programs should receive training and experience in the methods and conduct of basic and clinical research, in order to qualify them to perform such studies independently.
Amount: varies
LOI: July 3, 2010
Deadline: August 3, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-10-005.html
Key Words**:**

Predoctoral and Postdoctoral Training Program in Reproductive, Obstetric, Perinatal and Pediatric Epidemiology and Pharmacoepidemiology (T32)
PAR-10-194
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
This Funding Opportunity Announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), solicits grant applications from institutions/ organizations for the predoctoral and postdoctoral training program in reproductive, obstetric, perinatal and pediatric epidemiology and pharmacoepidemiology. This program supports broad and fundamental, early stage graduate research training and postdoctoral training in reproductive, obstetric, perinatal, and pediatric epidemiology as well as pharmacoepidemiology via institutional training grants.
Amount: varies
LOI: June 14, 2010, April 25, 2011, April 25, 2012
Deadline: July 13, 2010, May 25, 2011, May 25, 2012
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PAR-10-194.html
Key Words**:**

Air Force Fiscal Year 2011 Young Investigator Research Program
AFOSR-BAA-2010-3
Department of Defense (DoD)
The Air Force Office of Scientific Research (AFOSR)
The AFOSR's Young Investigator Research Program (YIP) is to support scientists and engineers who have received Ph.D. or equivalent degrees in the last five years (on or after 1 May 2005) and who show exceptional ability and promise for conducting basic research. The objective of this program is to foster creative basic research in science and engineering, enhance early career development of outstanding young investigators, and increase opportunities for the young investigators to recognize Air Force mission and the related challenges in science and engineering. Proposals addressing the research areas of interest for the Air Force Research Laboratory will be considered.
Amount: $360,000
LOI: White papers may be submitted via email directly to a program manager
Deadline: July 28, 2010
To learn more**:** http://www.wpafb.af.mil/library/factsheets/factsheet.asp?id=9332
Key Words**: Collective Behavior and Socio-Cultural Modeling, Mathematical Modeling of Cognition and Decision, Systems and Software**

Pilot and Feasibility Awards
Research Grants
LeRoy Matthews Physician/Scientist Award and the Harry Shwachman Clinical Investigator Award
Cystic Fibrosis Foundation Therapeutics, Inc. (CFFT)
The CF Foundation (CFF) offers competitive awards for research related to cystic fibrosis. Studies may be carried out at the subcellular, cellular, animal, or patient levels. Two of these funding mechanisms include Pilot and Feasibility Awards and Research Grants. Since these applications are reviewed by the CFF's Research and Research Training Committee, those proposals that include methodologies requiring sampling of materials from human subjects will only be considered under this mechanism if the sampling method constitutes minimal patient risk (e.g., venipuncture) and patient samples or data are anonymous.

For applications where more invasive procedures are proposed or where patient samples or data will not be anonymous, please submit a Letter of Intent for a Clinical Research Award.
Also, the CF Foundation offers physician-scientist training awards, including the LeRoy Matthews Physician/Scientist Award and the Harry Shwachman Clinical Investigator Award.
Amount: varies
LOI: the CF Foundation will consider NIH applications that have received a competitive score but missed the payline under the CFF/NIH-unfunded award mechanism. These applications are accepted on an on-going basis.
Deadline: first Wednesday in September
To learn more**:** http://www.cff.org/research/ForResearchers/FundingOpportunities/ResearchGrants/
Key Words**: Cystic Fibrosis**

Cystic Fibrosis Foundation (CFF) Student Traineeships

Cystic Fibrosis Foundation (CFF)
These awards are offered to bona fide students in or about to enter a doctoral program (i.e., Ph.D., M.D., M.D./Ph.D.) Senior-level undergraduate students planning on pursuing graduate training also may apply. Applicants must work with a faculty sponsor on a research project related to CF, the duration of which should be 10 weeks or more.
Amount: $1,500
LOI: N/R
Deadline: continuous
To learn more**:** http://www.cff.org/research/ForResearchers/FundingOpportunities/TrainingGrants/
Key Words**: Cystic Fibrosis**

Health Policy Internships

Center on Budget and Policy Priorities
The Health Policy division is actively involved in policy debates over Medicaid, child health insurance, and other health care issues that affect low- and moderate-income families. The health policy intern assists in researching, preparing, and distributing analyses on how various legislative proposals would affect families, the federal budget, and states
Amount: varies
LOI: N/R
Deadline: Continuous. For summer internships, March 1; For fall internships, rolling deadline; review of applications begins July 15; For spring internships, rolling deadline; review of applications begins November 15.
To learn more**:** http://www.cbpp.org/internshipdes.htm
Key Words**: Health Policy**

Travel Grants

Boehringer Ingelheim Fonds (BIF) - Foundation for Basic Research in Biomedicine
Travel Grants are available to junior researchers pursuing experimental projects in basic biomedical research. to learn clearly-defined methods useful for your ongoing research and the work of your research group at home by visiting another laboratory, or by attending research-orientated courses which include practical training.
Amount: 3 months support
LOI: N/R
Deadline: Continuous
To learn more**:** http://www.bifonds.de/cgi-bin/show.pl/travel_grants/travel_grants.html?sid=iw5d2ei4y1oz8takvjsb4dr4i0a3hoe4
Key Words**: Biological Sciences, Biomedical Research Resources, Biomedical Research Training, Health and Medicine**

Predoctoral and Postdoctoral Fellowships

American Heart Association
Midwest Affiliate
Predoctoral Fellowship
Helps students initiate careers in cardiovascular or stroke research by providing research assistance and training.
Postdoctoral Fellowship
Helps a trainee initiate a career in cardiovascular research while obtaining significant research results.
Amount: unspecified
LOI: N/R
Deadline: July 27, 2010
To learn more**:** http://www.americanheart.org/presenter.jhtml?identifier=9713
Key Words**: Cardiovascular, Stroke, Fellowships**

Improving Patient Safety through Simulation Research (R18)
RFA-HS-10-018
Agency for Healthcare Research and Quality (AHRQ)
Center for Outcomes and Evidence (COE)
The Agency for Healthcare Research and Quality (AHRQ) is interested in funding a diverse set of projects that develop, test and evaluate various simulation approaches for the purpose of improving the safe delivery of health care. Simulation in health care predominately is a training technique that exposes individuals and teams to realistic clinical challenges through the use of mannequins, task trainers, virtual reality, or standardized patients, and allows participants to experience in real-time the consequences of their decisions and actions. The principal advantage of simulation is that it provides a safe environment for health care practitioners to acquire valuable experience without putting patients at risk. Simulation also can be used as a test-bed to improve clinical processes and to identify failure modes or other areas of concern in new procedures and technologies that might otherwise be unanticipated and serve as threats to patient safety. Applications that address a variety of clinical settings are sought.
Amount: $1,050,000
LOI: N/R
Deadline: June 21, 2010
To learn more**:** http://grants.nih.gov/grants/guide/rfa-files/RFA-HS-10-018.html
Key Words**: Health Care Training, Simulators**

AHRQ Individual Awards for Postdoctoral Fellows (F32) Ruth L. Kirschstein National Research Service Awards (NRSA)
PA-09-229
Agency for Healthcare Research and Quality
The purpose of this individual postdoctoral research training fellowship is to provide support to promising Fellowship Applicants with the potential to become productive, independent investigators in health services research in research areas and priorities relevant to the mission of AHRQ.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more**:** http://grants.nih.gov/grants/guide/pa-files/PA-09-229.html
Key Words**: Health Services Research**

Postdoctoral Fellowship
ACS
This award is to support the training of researchers who have just received their doctorate to enable them to qualify for an independent career in cancer research (including basic, preclinical, clinical, psychosocial, behavioral, and epidemiologic research).
Amount: one to three years with progressive stipends of $40,000, $42,000, and $44,000 per year, plus a $4,000 per year institutional allowance
LOI: N/R
Deadline: April 1 and October 15; annually
To learn more**:** http://www.cancer.org/docroot/RES/content/RES_5_2x_Postdoctoral_Fellowships.asp?sitearea=RES
Key Words**:**

Physician Training Awards in Preventive Medicine
ACS
This award is made to support primary care physicians with a rank of instructor to assistant professor who are pursuing an academic career with an emphasis on cancer control.
Amount: $300,000
LOI: N/R
Deadline: April 1, annually
To learn more**:**
http://www.cancer.org/docroot/RES/content/RES_5_2x_Physician_Training_Awards_in_Preventive_Medicine.asp?sitearea=RES
Key Words**:**

Mentored Research Scholar Grant in Applied and Clinical Research
ACS

Support mentored research by full-time faculty, typically within the first four years of their appointment, with the goal of becoming independent investigators in clinical, cancer control and prevention, epidemiologic, psychosocial, behavioral, health services and health policy research.
Amount: up to five years and for up to $135,000 per year
LOI: N/R
Deadline: April 1 and October 15; annually
To learn more**:**
http://www.cancer.org/docroot/RES/content/RES_5_2x_Mentored_Research_Scholar_Grant_in_Applied_and_Clinical_Research.asp?sitearea=RES
Key Words**:**