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NOTICES

Click on a topic to 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
Modification of RFA-CA-10-007 to Increase Applicants Flexibility for Proposing the Number of Clinical Trials to be Accomplished in the Funding Period

New
NOT-CA-10-016
National Cancer Institute (NCI)
The purpose of this Notice is to modify the recently published Request for Applications, RFA-CA-07-009, entitled “Cancer Immunotherapy Trials Network (U01).” to increase applicants’ flexibility for proposing the number of clinical trials to be accomplished in the funding period.
Amount: 
LOI: 
Deadline:  Release Date: February 1, 2010
To learn more:  http://grants.nih.gov/grants/guide/notice-files/NOT-CA-10-016.html
Key Words: Cancer, Immunotherapy

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 Announces the Availability of Recovery Act Funds for Administrative Supplements for Comparative Effectiveness Research Workforce Development
NOT-OD-10-037
National Institutes of Health (NIH)
American Reinvestment and Recovery Act of 2009
The National Institutes of Health (NIH) announces the opportunity for investigators and United States (U.S.) institutions/organizations with active NIH research grants to request administrative supplements for the purpose of expanding the numbers of researchers qualified to oversee or conduct comparative effectiveness research (CER).
There were four main inputs for priorities for OS ARRA comparative effectiveness research funds: public input; an internal Departmental workgroup; the Federal Coordinating Council report; and the Institute of Medicine (IOM) report. The Federal Coordinating Council identified the following as minimum threshold criteria which must be met to be considered for funding:
Included within statutory limits of ARRA and the Council's definition of comparative effectiveness research;
Potential to inform decision-making by patients, clinicians, and/or other stakeholders;
Responsiveness to expressed needs of patients, clinicians, and/or other stakeholders; and
Feasibility of research topic (including time necessary for research).
Amount:  $500,000
LOI: 
Deadline:  March 1, 2010
To learn more:  http://grants.nih.gov/grants/guide/notice-files/NOT-OD-10-037.html
Key Words: Arthritis and non-traumatic joint disorders; Cancer; Cardiovascular disease, including stroke and hypertension; Dementia, including Alzheimer’s disease; Depression and other mental health; Developmental delays, attention-deficit hyperactivity disorder, a

Proposed FDA Rulemaking on Informed Consent Requirements
NOT-OD-10-046
National Institutes of Health (NIH)
On December 29, 2009, the Food and Drug Administration (FDA) issued a proposed rule on Informed Consent Elements. The proposed rule, if finalized, would amend the FDA informed consent regulations to require that the informed consent documents and processes for applicable drug, biologic, and device clinical investigations include a statement that clinical trial information for such clinical investigations has been or will be submitted to the National Institutes of Health/National Library of Medicine (NIH/NLM) for inclusion in the clinical trial registry databank known as www.ClinicalTrials.gov. The proposed rule implements Section 801(b)(3)(A) of the Food and Drug Administration Amendments Act of 2007 (FDAAA). This section of FDAAA requires that FDA update its informed consent regulations to require that informed consent documents and processes the clinical investigations in question include a statement that clinical trial information has been or will be submitted to the clinical trial registry databank. Public comments on the proposed rule must be submitted by March 1, 2010.

Amount: 
LOI:  
Deadline:  Released January 15, 2010
To learn more: http://grants.nih.gov/grants/guide/notice-files/NOT-OD-10-046.html
Key Words: Informed Consent

NIH Broadens Eligibility for NIH Diversity and Re-Entry Supplements
NOT-OD-10-045
National Institutes of Health (NIH)
The purpose of this policy notice is to add several new activity codes to the list of eligible grants that may apply for Diversity Supplements and Re-Entry Supplements. These additional activity codes are: RC1, RC2, RC3, RC4.
Amount:  
LOI:  
Deadline:  Released January 11, 2010
To learn more: http://grants.nih.gov/grants/guide/notice-files/NOT-OD-10-045.html
Key Words: Challenge Grants, BRDG-SPAN Program, High Impact Research, Research Infrastructure Program

IACUC 101 and 201 PLUS Workshops: February 24-25, 2010 in Lafayette, LA
NOT-OD-10-044
National Institutes of Health (NIH)
Program descriptions
IACUC 101 – “The Basics” – is a full day didactic and interactive educational program designed to provide Institutional Animal Care and Use Committee (IACUC) members, administrators, veterinarians, animal care staff, researchers, regulatory personnel and compliance officers with information on the role and responsibilities of IACUCs, including an understanding of federal policies and regulations governing laboratory animal welfare.
IACUC 201 PLUS – “The Process PLUS Select Topics” – is a highly interactive program that takes the fundamentals of IACUC 101 and applies them to the process and mechanisms of ensuring compliance. The morning and afternoon sessions are divided into 3 tracks based on an individual’s IACUC role, responsibility, and interests. Track topics are customized to include subjects of timely interest. The program concludes with open questions and answers to representatives of OLAW, USDA, and AAALAC.
Amount:  
LOI:  N/R  
Deadline:  February 24, 2010
To learn more: http://grants.nih.gov/grants/guide/notice-files/NOT-OD-10-044.html
Key Words: IACUC, Compliance

HIV/AIDS Funds for Competitive Revision Applications (R01, R03, R15, R21, R21/R33, R37) for HIV/AIDS-related Research through the NIH Basic Behavioral and Social Science Opportunity Network
NOT-OD-10-036
National Institutes of Health (NIH)
The National Institutes of Health (NIH) announces the opportunity for investigators and institutions/organizations with relevant active NIH-supported research project grants (R01, R03, R15, R21, R21/R33, and R37) to submit competitive revision applications (formerly termed competitive supplements) to accelerate, expand, and/or strengthen basic behavioral and social sciences research (b-BSSR) relevant to HIV/AIDS risk, prevention, disease progression, and treatment. Competitive revision applications should support a significant expansion of the scope or research protocol approved and funded for the “parent” award on which the revision application is based.
Amount: $150,000  
LOI:  April 7, 2010
Deadline:  May 7, 2010
Recovery Act Funds for Competitive Revision Applications (R01, R03, R15, R21, R21/R33, and R37) for HIV/AIDS-related Research through the NIH Basic Behavioral and Social Science Opportunity Network

NOT-OD-10-033

National Institutes of Health (NIH)
The National Institutes of Health (NIH) announces the opportunity for investigators and United States institutions/organizations with relevant active NIH-supported research project grants (R01, R03, R15, R21, R21/R33, and R37) to submit competitive revision applications (formerly termed competitive supplements) to accelerate, expand, and/or strengthen basic behavioral and social sciences research (b-BSSR) relevant to HIV/AIDS risk, prevention, and treatment. Competitive revision applications must support a significant expansion of the scope or research protocol approved and funded for the “parent” award on which the revision application is based. Support for these competitive revision applications will come from funds provided to NIH through the American Recovery and Reinvestment Act of 2009 (“Recovery Act” or “ARRA”), Public Law 111-5.

Amount: $450,000
LOI: February 25, 2010
Deadline: March 25, 2010

Key Words: Epigentics, Behavioral Genetics, Psychoneuroimmunology, Psychopharmacology, Behavioral Cardiology, Social Networks and Spread of Vectors of Disease

NIH Announces the Availability of Recovery Act Funds for Competitive Revision Applications (R01, R03, R15, R21, R21/R33, and R37) through the NIH Basic Behavioral and Social Science Opportunity Network (OppNet)

NOT-OD-10-032

National Institutes of Health (NIH)
The National Institutes of Health (NIH) announces the opportunity for investigators and United States institutions/organizations with relevant active NIH-supported research project grants (R01, R03, R15, R21, R21/R33, and R37) to submit competitive revision applications (formerly termed competitive supplements) to accelerate, expand, and/or strengthen basic behavioral and social sciences research (b-BSSR). Competitive revision applications must support a significant expansion of the scope or research protocol approved and funded for the “parent” award on which the revision application is based. Support for these competitive revision applications will come from funds provided to NIH through the American Recovery and Reinvestment Act of 2009 (“Recovery Act” or “ARRA”), Public Law 111-5.

Amount: $450,000
LOI: February 2, 2010
Deadline: March 2, 2010
To learn more: http://grants.nih.gov/grants/guide/notice-files/NOT-OD-10-032.html

Key Words: Behavioral Science, Sensation and perception, Emotion and motivation, Vulnerability and resilience, Attention, learning, and memory, Ingestive, sexual, and aggressive behaviors, Language development, Social influences and social cognition, Family processes

Request for Information (RFI): Identifying Organizations with the Appropriate Expertise to Participate in a Collaborative Drug Development Partnership

NOT-DA-10-006

National Institute on Drug Abuse (NIDA)
This request for information (RFI) seeks to identify institutions with the appropriate expertise to participate in a collaborative drug development partnership with the National Institute on Drug Abuse (NIDA), a part of the National Institutes of Health (NIH). The mission of this product development partnership (PDP), to be achieved by 2020, is to develop, test, and facilitate domestic and global access to safe and effective medications for the treatment of tobacco dependence, including aids for smoking cessation.

Amount:
LOI:
Deadline: Release Date 12, 2010
Key Words: Smoking Cessation, Drug Development

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
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

Change in Application Submission Package and Clarification of Research Strategy Structure of PAR-10-030 for Limited Competition: NIH Competitive Revision Awards for Creating Virtual Consortium for Translational/Transdisciplinary Environmental Research (V
NOT-ES-10-006)
National Institute of Environmental Health Sciences (NIEHS)
The purpose of this notice is to change the application package for submission in response to PAR-10-030 Limited Competition: NIH Competitive Revision Awards for Creating Virtual Consortium for Translational Environmental Research and to clarify the content of the Research Strategy section.
Due to the receipt date change, the application package with the Competition ID of ADOBE-FORMS-A has been closed and cannot be used for submission. Applicants must return to the announcement and download a new application package with the Competition ID of ADOBE-FORMS-B in order to submit to this opportunity. See Confirming the Correct Electronic Form Choice for additional details at: http://enhancing-peer-review.nih.gov/docs/confirming_the_correct электроннeform_choice.pdf. This change is necessary to accommodate the new application due date of February 26, 2010 (per NOT-ES-10-005 at: http://grants.nih.gov/grants/guide/notice-files/NOT-ES-10-005.html).
Because of the receipt date change, page limits also changed to comply with new Enhancing Peer Review guidelines. Applications must now include a one page statement of objectives of the ViCTER Program (Introduction to application) and a one page Specific Aims. The overall Research Strategy section (single PDF upload) is capped at 12 pages total and should contain the Organization and Administrative Structure, as well as the Significance, Innovation and Approach sections of each of the ViCTER components.
Amount:
LOI: January 26, 2010
Deadline: February 26, 2010
Key Words: Environmental Health

Announcement of NIAMS Revised Procedure for Acceptance of Applications Requesting $500,000 or More Direct Costs in any Grant Year
NOT-AR-10-025
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)
Previously, the NIAMS accepted such large budget applications during two of the three grant cycles each fiscal year. Under this revised policy, the NIAMS will consider acceptance of requests for all three grant cycles. All applicants interested in submitting an application with $500,000 or more in direct costs for any year are encouraged to contact the appropriate NIAMS Program Director well in advance of submitting the application and the formal Request for Acceptance.
This policy applies to new, resubmission, renewal, and revision applications (definitions).
Amount:
LOI:
Deadline: Released January 15, 2011
Key Words:

Notice of Intent to Publish a Request for Applications for Research Dissemination and Implementation (R18) Grants
NOT-HL-11-102
National Heart, Lung, and Blood Institute (NHLBI)
The National Heart, Lung, and Blood Institute (NHLBI) intends to issue a Program Announcement (PA) to support studies to develop innovative dissemination and implementation approaches to translating efficacious treatments to heart, lung, and blood diseases and sleep disorders to the clinic, community, and other real-world settings, including testing sustainability, feasibility and cost-effectiveness of these approaches.
NHBLI Anticipates Issuing a New Funding Opportunity Announcement to Solicit Applications for Basic Research in Cellular and Molecular Mechanisms of Arterial Stiffening and the Relationship to the Development of Hypertension

NOT-HL-09-130
National Heart, Lung, and Blood Institute (NHBLI)
The purpose of this notice is to announce NHBLI’s intention to issue a Funding Opportunity Announcement (FOA) in the Fall of 2009 to fund up to 10 R01’s beginning in fiscal year 2010. The objectives of this FOA are to support studies aimed at elucidating mechanisms underlying large, conduit artery stiffening in the context of hypertension and studies that examine the temporal relationship between large artery stiffening and the development of hypertension in animal models. Responsive applications must demonstrate the capability to measure arterial stiffening using either established models of hypertension or new animal models developed for this FOA.

Amount: LOI: Deadline: Released September 11, 2010
To learn more: http://grants.nih.gov/grants/guide/notice-files/NOT-HL-09-130.html
Key Words: Hypertension, Arterial Stiffening

Participation of NCI in RFA-OD-10-001, RFA-OD-10-002, ARRAOS: Recovery Act Limited Competition: Behavioral Economics for Nudging the Implementation of Comparative Effectiveness Research: Clinical Trials (RC4) and Pilot Research (RC4)

NOT-CA-10-012 and NOT-CA-10-013
National Cancer Institute (NCI)
This Notice is to inform applicants that the National Cancer Institute announces its participation, effective immediately.

Amount: LOI: N/R Deadline: April 7, 2010
Key Words: Comparative Effectiveness Research

Request for Information (RFI): Studying the Roles of Cancer Stem Cells in Cancer Health Disparities

NOT-CA-10-001
National Cancer Institute (NCI)
The NCI is soliciting input from the scientific community and the general public regarding the significance of studying the roles of cancer stem cells in cancer health disparities and potential priority areas/specific ideas for such studies. In this idea-gathering phase, suggestions are also sought from scientist consultants as well as other NIH Institutes and Centers. This RFI provides an opportunity for respondents to submit their own ideas.

Amount: LOI: Deadline: respond before December 31, 2009
To learn more: http://grants.nih.gov/grants/guide/notice-files/NOT-CA-10-001.html
Key Words: Cancer Stem Cells

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


**Key Words:**

**Special Emphasis Notice (SEN): AHRQ Announces Interest in Career Development (K01, K02, K08) Grants focused on Health Care Associated Infections in Ambulatory Care Settings**

NOT-HS-10-009

Agency for Healthcare Research and Quality (AHRQ)

In Fiscal Year 2010, AHRQ intends to support individual mentored and independent career-development grants (i.e., K01, K02, K08 grants) to doctorally-prepared clinicians and scientists interested in pursuing research careers related to the prevention and more effective management of health care associated infections (HAIs). The objective of individual career development grants is to provide support and “protected time” for an intensive, mentored or independent research career development experience. Details on the scope, eligibility, deadlines, and application procedures for these grants can be found at one of the following sites: [http://www.ahrq.gov/fund/training/trainix.htm#indlg](http://www.ahrq.gov/fund/training/trainix.htm#indlg), or [http://www.ahrq.gov/fund/](http://www.ahrq.gov/fund/).


**Key Words:** Health Care Associated Infections

**HHS Intent to Publish Grant and Contract Solicitations for Comparative Effectiveness Research (CER) Projects with Funds Allocated to the Office of the Secretary from the American Recovery and Reinvestment Act (ARRA)**

NOT-HS-10-008

Agency for Healthcare Research and Quality (AHRQ)

The Department of Health and Human Services (HHS) announces its intention to support new CER projects with funds allocated by the American Recovery and Reinvestment Act (ARRA). The ARRA appropriated $400 million to the Office of the Secretary (OS) for support of CER. AHRQ has been designated point of contact for management of these funds.

**To learn more:** [http://grants.nih.gov/grants/guide/notice-files/NOT-HS-10-008.html](http://grants.nih.gov/grants/guide/notice-files/NOT-HS-10-008.html)

**Key Words:** Comparative Effectiveness Research

**Alcohol, Drugs or Abuse and/or Smoking**

**Technology-Based Adherence Interventions for Substance Abusing Populations with HIV (R01) and (R34)**

*New*

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  
Key Words: Treatment Regimens, HIV/AIDS

Deep Sequencing and Analysis of Pharmacogenomic Regions: Discovery and Analysis of Genetic Variants Contributing to Drug Abuse and Addiction (R01)

New
RFA-DA-10-019  
National Institute on Drug Abuse (NIDA)  

Genome-wide association studies (GWAS) have been critical for identifying genomic regions associated with addiction phenotypes, and have highlighted several areas that require further refinement using deep sequencing approaches. The goal of this FOA is to support studies proposing to use next-generation sequencing technologies to identify the structural variants and SNP variants with rare to moderate frequencies that affect addiction risk in well-characterized samples with drug abuse phenotypes. Applications may propose strategies for deep sequencing based on family based designs; deep sequencing of regions identified by GWAS to be associated with addiction risk; sequencing candidate genes in individuals with extreme phenotypes; or other analytic approaches that capitalize on the genetic architecture. Applicants must use existing DNA samples with appropriately obtained consents for broad data sharing.

Amount: $12,500,000  
LOI: March 29, 2010  
Deadline: April 29, 2010  
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-019.html  
Key Words: Addiction Phenotype/Genotypes

Medications Development for Substance Related Disorders (R01)

New
RFA-DA-10-018  
National Institute on Drug Abuse (NIDA)  

The National Institute on Drug Abuse (NIDA) is soliciting grant (R01) applications to support a diverse array of preclinical and/or clinical research projects that accelerate the translational discovery/development of safe and effective medications for the treatment of substance-related disorders (SRDs), with the ultimate goal of moving closer to, or gaining FDA approval of medications for the treatment of these disorders.

Amount: $5,000,000  
LOI: March 29, 2010  
Deadline: April 29, 2010  
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-018.html  
Key Words: SRDs, Substance Related Disorders

Systems Biology, HIV/AIDS, and Substance Abuse (R01)

New
RFA-DA-10-014  
National Institute on Drug Abuse (NIDA)  

The purpose of this FOA is to solicit applications utilizing systems biology approaches to interrogate and integrate multiple complex databases in order to discover new paradigms that may lead to unanticipated avenues of research at the interface of HIV/AIDS and substance use and abuse.

Amount: $3,750,000  
LOI: March 29, 2010  
Deadline: April 29, 2010  
2010 NIDA Translational Avant-Garde Award for Medication Development for Diseases of Addiction (DP1)

New
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

Key Words: Substance Abuse, Treatment

Pre-Application for the 2010 NIDA Translational Avant-Garde Award for Medication Development for Diseases of Addiction (X02)

New
PAR-10-095
National Institute on Drug Abuse (NIDA)
The purpose of this funding opportunity announcement (FOA) is to encourage pre-applications for The NIDA Translational Avant-Garde Award. 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 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.

Amount: $10,000,000
LOI: March 22, 2010
Deadline:
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-095.html

Key Words: Substance Abuse, Treatment

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

New
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
Key Words: HIV/AIDS, Alcohol, Disease Transmission, Risk Assessment, Interventions

Year 2010 Department of Defense Peer Reviewed Medical Research Program

New
W81XWH-10-PRMRP-CTA
W81XWH-10-PRMRP-CA
W81XWH-10-PRMRP-IIIRA
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: March 11, 2010 for Investigator-Initiated Research Award
March 25, 2010 for Concept Award,
April 22, 2010 for Clinical Trial Award, Technology/Therapeutic Development Award
Deadline: April 8, 2010 for Concept Award
May 13, 2010 for Clinical Trials Award, Technology/Therapeutic Development Award
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

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
Research Education Grants for Statistical Training in Genetics of Addiction (R25)
PAR-08-081
NIH
This FOA invites applications focused on research education for the development and testing of new statistical models to address genetics-based research problems in addiction. Applicants are expected to propose a well-integrated research education and training program in statistical models or computational methods in genetics for undergraduate, graduate, and/or postdoctoral level students. Since this is a novel program, participants may be supported for as long as five years, however shorter durations of funding of some individual participants are encouraged. Achieving the capacity of the institution to address the identified research area(s) is an additional goal of this award. During this award, institutions will be expected to implement strategies for enhancing research infrastructure and capacity building at their institution and in collaborative activities.
Amount: varies
LOI: N/R
Deadline: March 17, 2010
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: $150,000
LOI: N/R
Deadline: multiple, see link; continuous
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
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

Key Words: Alcohol Abuse, Mental Disorders, Comorbid Mental Disorders
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
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
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

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
Key Words: Smoking, AIDS/HIV

Request for Information (RFI): Identifying Organizations with the Appropriate Expertise to Participate in a Collaborative Drug Development Partnership
NOT-DA-10-006
National Institute on Drug Abuse (NIDA)
This request for information (RFI) seeks to identify institutions with the appropriate expertise to participate in a collaborative drug development partnership with the National Institute on Drug Abuse (NIDA), a part of the National Institutes of Health (NIH). The mission of this product development partnership (PDP), to be achieved by 2020, is to develop, test, and facilitate domestic and global access to safe and effective medications for the treatment of tobacco dependence, including aids for smoking cessation.

Amount:
LOI:
Deadline: Release Date 12, 2010
Key Words: Smoking Cessation, Drug Development

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,
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
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
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

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

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
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
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

Cognitive Remediation Approaches to Improve Drug Abuse Treatment Outcomes (R01) and (R21)
RFA-DA-10-006 and RFA-DA-10-007
National Institute on Drug Abuse (NIDA)
There is a significant public health need to improve the outcome of treatments of substance use disorders (SUDs). SUDs are often associated with cognitive changes that may negatively impact drug abuse treatment outcomes. The purpose of this FOA is to solicit clinical research project applications that design and/or develop cognitive remediation strategies that enhance the outcome of SUD treatments.
Amount: $2,500,000
LOI: March 8, 2010
Deadline: April 7, 2010
Key Words: Substance Abuse

Medications Development for Cannabis-Related Disorders (R01)
RFA-DA-10-016
National Institute on Drug Abuse (NIDA)
The purpose of this Funding Opportunity Announcement (FOA) is to issue a Request for Applications (RFA) to support research studies that focus on the identification, and preclinical and clinical evaluation, of medications that can be safe and effective for the treatment of cannabis-use and -induced disorders, as well as their medical and psychiatric consequences. The studies can be preclinical or FDA-defined Phase I, Phase II or Phase III clinical trials.
Amount: $2,500,000
LOI: March 30, 2010
Deadline: April 30, 2010
To learn more: [Link](http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-016.html)
Key Words: Marijuana Abuse, Clinical Trials,

Pre-Application for the 2010 NIDA Avant-Garde Award Program for HIV/AIDS Research (X02)
PAR-10-068
National Institute on Drug Abuse (NIDA)
The NIDA Avant-Garde Award Program for HIV/AIDS Research is meant to complement NIDA’s traditional investigator-initiated grant programs by supporting individual scientists of exceptional creativity who propose high-impact research that will open new avenues for prevention and treatment of HIV/AIDS among drug abusers. The term “avant-garde” is used to describe highly innovative approaches that have the potential to be transformative— open new areas of research or lead to new avenues of treatment and prevention for HIV/AIDS among drug abusers. The proposed research should reflect ideas substantially different from those already being pursued by the investigator or others.
Amount: $2,500,000
LOI: N/R
Deadline: March 1, 2010
To learn more: [Link](http://grants.nih.gov/grants/guide/pa-files/PAR-10-068.html)
Key Words: HIV/AIDS, Drug Abuse

Support Opportunity for Addiction Research (SOAR) for New Investigators (R03)
RFA-DA-10-015
National Institute on Drug Abuse (NIAD)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
The National Institute on Alcohol Abuse and Alcoholism (NIAAA) and the National Institute on Drug Abuse (NIDA) are interested in receiving applications to supplement new investigators who have, or have a commitment of support to conduct research in basic or clinical alcohol or drug abuse research from funding sources other than NIH (e.g. private foundation). In addition, those applicants currently supported to conduct research on psychiatric disorders that are often found to be co-morbid with substance abuse, are also eligible to apply to SOAR for the purpose of adding a substance or alcohol abuse research component to their ongoing research. It is hoped that the SOAR program will facilitate ongoing supported substance abuse and co-morbidity research among entry-level new investigators. This Funding Opportunity Announcement (FOA) is intended to support new investigators’ ongoing basic or clinical alcohol, drug abuse and/or related co-morbidity research. The primary goal of this Support Opportunity for Addiction Research (SOAR) is for new investigators to leverage existing research programs in order to strengthen, possibly expand, and/or further develop alcohol, drug abuse, and co-morbidity research.
Amount: $50,000
LOI: March 16, 2010
Deadline: April 16, 2010
To learn more: [Link](http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-015.html)
Key Words: Alcohol, Drug Abuse, SOAR

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
Science Education Drug Abuse Partnership Award – R25
PAR-08-145
National Institute on Drug Abuse
This funding opportunity announcement (FOA) solicits Research Education (R25) grant applications to fund the development and evaluation of innovative model programs and materials for enhancing knowledge and understanding of neuroscience and the biology of drug abuse and addiction among K-12 students, the general public, health care practitioners, and other groups. The award provides support for the formation of partnerships between scientists and educators, media experts, community leaders, and other interested organizations for the development and evaluation of programs and materials that will enhance knowledge and understanding of science related to drug abuse. The intended focus is on topics not well addressed in existing efforts by educational, community, or media activities.
Amount: limited to $250,000/year.
LOI: N/R
Deadline: Application Receipt/Submission Date(s): May 25, 2010
To learn more: http://grants.nih.gov/grants-guide/pa-files/PAR-08-145.html

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

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

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


**Key Words:** Alcohol abuse, Drug abuse

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**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


**Key Words:** Alcoholism, Adolescent Behavior

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**Gut-Liver-Brain Interactions in Alcohol-Induced Pathogenesis (R01) and (R21)**

**RFA-AA-10-007 and RFA-AA-10-008**

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

The goal of this Funding Opportunity Announcements (FOA), issued by the National Institute on Alcohol Abuse and Alcoholism (NIAAA), is to stimulate innovative research that will determine (1) how alcohol disrupts gut-liver-brain physiological communications, and (2) how these alterations contribute to the development and exacerbation of alcohol-associated diseases. These investigations are expected to provide a more comprehensive understanding of cellular and molecular mechanisms by which alcohol impairs homeostatic functions at both organ and systemic levels and initiates/promotes tissue injury.

**Amount:** $2,500,000

**LOI:** March 20, 2010

**Deadline:** April 20, 2010


**Key Words:** Alcohol, Alcohol Associated Disease

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**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](http://grants.nih.gov/grants/guide/pa-files/PA-08-008.html)

**Key Words:**

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**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](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](http://grants.nih.gov/grants/guide/pa-files/PA-08-006.html)  
**Key Words:**

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**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 (May 28, 2010; January 28, 2011)  
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PAR-08-158.html](http://grants.nih.gov/grants/guide/pa-files/PAR-08-158.html)  
**Key Words:** Animal Models

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**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 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 Institute on Aging  
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](http://grants.nih.gov/grants/guide/pa-files/PA-09-163.html)  
**Key Words:** Small Grants

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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
Key Words: Tobacco, Smokeless Tobacco, Tobacco-related Disease

NIDA Research Education Grants in Drug Abuse and Addiction (R25)
PAR-07-221
Department of Health and Human Services (HHS)
National Institutes of Health (NIH)
National Institute on Drug Abuse (NIDA)
This Funding Opportunity Announcement (FOA) invites applications focused on research education and research curriculum development or program building in the area of drug abuse and addiction research. The focus should be primarily on clinical research, with preclinical research included to directly inform or provide a mechanistic foundation and for the purposes of supporting translational research training.
Amount: $1,750,000
LOI: Nonrequired letters of intent are due 30 days prior to the application receipt date.
Deadline: standard dates apply (May 25; Sep 25)
To learn more: http://grants1.nih.gov/grants/guide/pa-files/PAR-07-221.html
Key Words: Addictions, Biomedical Research Training, Drug Abuse Treatment, Substance Abuse

Bioimaging and Radiation Research

Radiochemistry and Radionuclide Imaging Instrumentation Research
New
DE-FOA-0000265
Department of Energy (DOE)
The Radiochemistry and Radionuclide Imaging Instrumentation Research program within BER, supports fundamental research for developing new methodologies for real-time, high-resolution imaging of dynamic biological processes in living systems. This research has two integrated goals: First, the research supports the DOE Science mission-related activities in bioenergy and bioremediation; Second, the fundamental methodologies developed under DOE-funded research may serve as tools leading to transformational new technologies for use in nuclear medicine research and applications supported by NIH and industry.
Amount: $400,000
LOI: N/R
Deadline: April 19, 2010
To learn more: http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppid=51470
Key Words: Radiotracer Chemistry, Labeling of Targeting Molecules, Imaging in Intact Living Systems, Microfluidics for Synthesis and Purification, High Throughput Screening

Prostate Cancer Research Program Impact Award
New
W81XWH-10-PCRP-IA
Department of Defense (DOD)
Congressionally Directed Medical Research Programs
This award will support research projects specifically focused on making a major impact on one critical issue in prostate cancer: Reducing or eliminating the over-treatment of primary prostate cancer. Projects funded by this award will, if successful, ultimately


change the standard of practice for decision-making in the treatment of primary prostate cancer. Studies conducted under the Impact Award may involve the development of surveillance mechanisms, including improvements in current clinical and diagnostic tools to monitor prostate cancer patients. Proposed projects may include basic, translational, or clinical research, including clinical trials, provided the overall project is hypothesis-based and focused on the problem of prostate cancer over-treatment. Applications for the PCRP Impact Award should also address at least one of the following FY10 PCRP focus areas:

- **Biomarkers**
- **Genetics**
- **Imaging**
- **Survivorship**
- **Therapy**
- **Tumor Biology**

**Amount:** $750,000

**LOI:** March 17, 2010

**Deadline:** April 19, 2010

To learn more: [http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&opplid=51479](http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&opplid=51479)

**Key Words:** Prostate Cancer, Active Surveillance, Biomarkers, Genetic Analysis, Improved Staging/Grading, Cancer Care Outcomes, Optimal Measures for Decision Making, Optimal Measures for Follow-up, Assessment and Progression

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**Prostate Cancer Exploration-Hypothesis Development Award**

**New**

W81XWH-10-PCRP-EHDA

Department of Defense (DOD)

Congressionally Directed Medical Research Programs

The Exploration – Hypothesis Development Award supports the exploration of highly innovative, untested, high-risk/high-gain concepts, theories, paradigms, and/or methods that address an important problem in prostate cancer. Results of studies conducted through this award may provide the scientific rationale upon which a new hypothesis can be based, or initial proof-of-principle of an innovative hypothesis. This award is designed to provide investigators the opportunity to pursue serendipitous observations that may reveal entirely new avenues for investigation. Applications for the PCRP Exploration – Hypothesis Development Award should also address at least one of the following FY10 PCRP focus areas:

- **Biomarkers**
- **Genetics**
- **Imaging**
- **Survivorship**
- **Therapy**
- **Tumor Biology**

**Amount:** $75,000

**LOI:** March 10, 2010

**Deadline:** March 31, 2010


**Key Words:** Prostate Cancer, Biomarkers, Systemic Disease, Microenvironment and Tumor Development

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**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


**Key Words:** Neuroimaging

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**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](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 (NIMH)
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


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; April 21, 2010; August 21, 2010; April 20, 2011; August 21, 2011

Deadline: May 21, 2010; September 21, 2010; January 21, 2011; May 20, 2011; September 21, 2011


Key Words: Molecular Imaging Probes

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


**Key Words:** Cancer Center, Imaging

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**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


**Key Words:** IGDD, Image-Guided Drug Delivery, cancer

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**Basic Research for Combating Weapons of Mass Destruction (C-WMD)**

**HDTRA1-08-10-BRCWMD-BAA**

Department Of Defense (DOD)

Defense Threat Reduction Agency

This BAA is focused on soliciting basic research projects that support the DTRA mission to safeguard America and its allies from WMD (e.g., chemical, biological, radiological, nuclear, and high yield explosives) by providing capabilities to reduce, eliminate, and counter the threat and mitigate its effects. To this end, DTRA seeks research across broad strategic thrust areas:

3. Science for Protection: Basic science for protection involves advancing knowledge to protect life and life-sustaining resources and networks. Protection includes threat containment, decontamination, threat filtering, and shielding of systems. The concept is generalized to include fundamental investigations that reduce consequences of WMD, assist in the restoration of life-sustaining functions, and support forensic science.

**Amount:** $2,500,000

**LOI:** registration: March 31, 2010

**Deadline:** May 12, 2010

To learn more: [http://www07.grants.gov/search/announce.do;jsessionid=JrpRKc7NIPTw1ywWRx58MNRQ19GcMlyFpsD4Flv1ySM8jYmhkrh7l-82303134](http://www07.grants.gov/search/announce.do;jsessionid=JrpRKc7NIPTw1ywWRx58MNRQ19GcMlyFpsD4Flv1ySM8jYmhkrh7l-82303134)

**Key Words:** Forensic Science, Decontamination, Containment

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**Bioinformatics**

**Scientific Council of Advisors**

**New**

Susan G. Komen for the Cure

Susan G. Komen for the Cure is establishing a new Council of Advisors of fifty experts from a variety of medical and scientific backgrounds to broaden the organization's investment in research, community programs, scientific peer review, and public policy. As distinguished scholars, full council members will be awarded a $250,000 Komen research grant, while associate council members will receive a $175,000 Komen research grant annually for the duration of their two-year term. Grants must be used to study critical questions in breast cancer and will require an annual project description and annual progress and financial reports.

**Amount:** up to $250,000

**LOI:** N/R
Systems Biology, HIV/AIDS, and Substance Abuse (R01)

New

RFA-DA-10-014

National Institute on Drug Abuse (NIDA)
The purpose of this FOA is to solicit applications utilizing systems biology approaches to interrogate and integrate multiple complex databases in order to discover new paradigms that may lead to unanticipated avenues of research at the interface of HIV/AIDS and substance use and abuse.

Amount: $3,750,000

LOI: March 29, 2010

Deadline: April 29, 2010


Key Words: Systems Biology, HIV/AIDS, Substance Abuse

NIDDK Education Program Grants (R25)

New

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: March 26, 2010. Standard dates apply for the remaining cycles


Key Words: Diabetes, Obesity, Nutrition, Informatics, Hematologic Diseases

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](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
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

Deadline: standard dates apply


Key Words: Bioinformatics

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**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

Deadline: June 18, 2010

To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-123.html

Key Words:

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**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

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

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**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

Deadline: Nonrequired letters of intent are due by April 14 and August 16, 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

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
**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


**Key Words:** Statistical Analysis, Behavioral Research, Computational Analysis

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**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


**Key Words:** Dentistry, Database, Statistical Analysis

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**Systems Biology Approach to the Mechanisms of TB Latency and Reactivation (R01)**

**RFA-HL-10-015**

National Heart, Lung, and Blood Institute (NHLBI)

The National Heart, Lung, and Blood Institute solicits Research Project Grant (R01) applications under this funding opportunity announcement (FOA) to investigate the mechanisms of latency and the reactivation of tuberculosis in the host using integrated systems biology approaches. Systems biology is defined in many ways. For the purposes of this FOA we are using a definition found on the MIT CSBI website: research program that links biologists, computer scientists, and engineers in a multi-disciplinary approach to the systematic analysis of complex biological phenomena. The studies should include multiscale computational modeling and focus on host lung responses to Mycobacterium tuberculosis (Mtcb) and host-microbial interactions that drive latency and reactivation in humans. To build the theoretical models, human and animal data should be utilized. The studies should integrate the data obtained from omic approaches with biological/immunological data. The models should be such that they can be tested in humans or non-human primates. The use of human samples and or data is required. Applicants are strongly encouraged to use the multiple principal investigator mechanism to facilitate collaborations among investigators with expertise in mathematics and computational multiscale modeling and clinical investigators and experimental biologists who have expertise in tuberculosis, pulmonology, lung biology, immunology, microbiology, genomics, genetics, other omics, and infectious diseases. Applicants are also strongly urged to include bioengineers and physicists in the research groups to enable teams of investigators to take advantage of new and developing technologies likely to be needed both to obtain biological data for building the computational models and for testing hypotheses generated by them. This FOA solicits applications for the TB Systems Biology Centers and runs in parallel with a separate FOA that solicits applications for a Data Coordinating Center (see RFA-HL-10-022).

**Amount:** $1,920,000

**LOI:** February 24, 2010

**Deadline:** March 24, 2010


**Key Words:** TB, Craniofacial, Dental Conditions

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**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
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

Researching, Creating, Developing, Deploying and Evaluating Innovative Educational Tools, Approaches & Resources to Advance Intellectual Basis for a National Homeland Security S&T Workforce
BAA09-07
Department of Homeland Security
The focus of this initiative is to research, create, develop, deploy and evaluate innovative educational tools, approaches and resources that will assist with the development of an educated and well trained scientific and technical workforce, representative of the U.S. population that DHS and its partners will need to protect the country in the foreseeable future. At least one of the following topical areas of strategic interest must be a component of white papers/proposals submitted under this solicitation. (see the BAA for full listings)
1. Social & Behavioral Sciences
2. Risk, Economics, & Decision Sciences
3. Human Factors
4. Chemical Threats & Countermeasures
5. Biological Threats & Countermeasures
16. Advanced Data Analysis & Visualization

Amount: unspecified
LOI: white papers considered on a rolling basis
Deadline: February 28, 2010
Biomedical Technology

Forensic DNA Research and Development

New
The U.S. Department of Justice (DOJ)
Office of Justice Programs (OJP)
National Institute of Justice (NIJ)
• General improvements to the “front end” of the forensic DNA analysis process.
• Physical separation of cells (sperm cells from female epithelial cells, epithelial cells from different sources, etc.) or other components
(e.g., polymerase chain reaction [PCR] products) in mixtures from two or more individuals or sources.
• Identification and/or characterization of biological markers that have the potential to reveal additional or more powerful information
about the source of the biological evidence. Examples include markers that have the potential to provide forensically useful information
about the phenotype of the DNA contributor, markers that can reveal information about the circumstances surrounding a crime, markers
that can augment other forensic DNA marker systems, or markers that can increase the discriminatory power of DNA.
• Improved tools for examining aged, degraded, limited, damaged, inhibited, or otherwise compromised DNA evidence. Examples
include:
• Identification and/or characterization of genetic marker systems that have the potential to advance the tools available for forensic
pathology examinations.
• Development of new or enhancement of existing population data for use in estimating frequencies of genetic markers used in forensic
applications.
Amount: $250,000
LOI: N/R
Deadline: April 2, 2010
To learn more: http://www.ncjrs.gov/pdffiles1/nij/sl000905.pdf
Key Words: DNA Analysis, Minimally Destructive DNA Extraction, DNA Condition Assessment, DNA Profiling, PCR Inhibitors, non-PCR Based Technologies

NIDDK Centers of Excellence in Molecular Hematology (P30)

New
RFA-DK-09-013
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
This FOA issued by The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) invites grant applications for
Centers of Excellence in Molecular Hematology (CEMH). The Centers of Excellence in Molecular Hematology are part of an integrated
program of hematologic diseases-related research support provided by the NIDDK. The Centers currently funded in this program have
provided a focus for increasing collaboration and improving the cost-effectiveness of supported research among groups of successful
investigators at institutions with an established, comprehensive hematologic diseases research base. An open competition is invited, in
order to renew and strengthen this program.
Amount: $3,750,000
LOI: February 18, 2010
Deadline: March 26, 2010
Key Words: Molecular Hematology

Autonomous Robotic Manipulation Software Track (ARM-S)

New
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](https://www.fbo.gov/download/43d/43d6de2bf57c65d9f342d499d5442d2f/DARPA-BAA-10-28_ARM-Software_02Feb10.pdf)  
**Key Words:** Robotics

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Tech Awards
The Tech Museum
The Tech Awards is an international awards program that honors innovators from around the world who are applying technology to benefit humanity.

The Tech Awards program inspires global engagement in applying technology to humanity's most pressing problems by recognizing the best of those who are utilizing innovative technology solutions to address the most urgent critical issues facing our planet. People all over the world are profoundly improving the human condition in the areas of education, equality, environment, health, and economic development through the use of technology. It is the goal of The Tech Awards to showcase their compelling stories and reward their brilliant accomplishments.

**Amount:** $50,000  
**LOI:** N/R  
**Deadline:** Accepted year round; 2010 deadline March 31  
To learn more: [http://techawards.thetech.org/nominate/](http://techawards.thetech.org/nominate/)  
**Key Words:** Technology

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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  
**Key Words:**

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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  
**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

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

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

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: [link]
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: [link]
Key Words: Imaging, Bioengineering, Arthritis, Musculoskeletal and Skin Diseases, Dental and Craniofacial, Neurological Disorders, Stroke, CAM

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: [link] and [link]
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 April 14 and August 16, 2010
To learn more: [link]
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
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

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
Key Words: PET, SPECT, radioligands, Small Business Innovation Research (SBIR [R43/R44])
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
Key Words: Protein Structure Prediction, Modeling, X-ray Crystallography, Protein Sequencing

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

Recovery Act Limited Competition: Research On Biosamples From Selected Diabetes Clinical Studies (RC4)
RFA-OD-10-010
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
This NIH Funding Opportunity Announcement (FOA), supported by funds provided to the NIH under the American Recovery and Reinvestment Act of 2009 (Recovery Act or ARRA), Public Law 111-5, invites applicants to apply for: 1) Access to non-renewable (non-DNA) samples generated by selected NIDDK-funded clinical trials and studies and funding to perform validated laboratory assays on the requested samples; OR 2) To apply for funding for assays to be performed on non-renewable (non-DNA) samples generated by selected NIDDK-funded clinical trials and studies, with proof of access approved by the consortia. Samples and funding will not be provided for assay development or exploratory research with animal models, or any research utilizing samples other than those that derive from studies listed below. Investigators should propose to test scientifically meritorious hypotheses related to the clinical trial or study's goals, and within the intent of the signed consent form for each study or trial. Data generated under this FOA is expected to be returned to the consortium or NIDDK repository.
Amount: $400,000
LOI: February 11, 2010
Deadline: March 11, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-OD-10-010.html
Key Words: Assay Development, Biomedical Samples

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
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
Key Words: Blood Banking, Transfusion

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](http://grants.nih.gov/grants/guide/pa-files/PA-08-111.html)
Key Words:

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
Key Words: Multi-disciplinary centers, COBRE

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:** $900,000

**LOI:** January 23, 2010; April 27, 2010; August 30, 2010

**Deadline:** February 23, 2010; May 27, 2010; September 30, 2010


**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:** January 23, 2010; April 27, 2010; August 30, 2010

**Deadline:** February 23, 2010; May 27, 2010; September 30, 2010


**Key Words:** Biospecimens, Tumor

### 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:** January 23, 2010; April 27, 2010; August 30, 2012

**Deadline:** February 23, 2010; May 27, 2010; September 30, 2012

**To learn more:** [http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-10-005.html](http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-10-005.html)

**Key Words:** Biospecimens, Tumor

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**Young Investigators' Grants and Program Grants**
Human Frontier Science Program
Research grants are provided for teams of scientists from different countries who wish to combine their expertise in innovative approaches to questions that could not be answered by individual laboratories.
Emphasis is placed on novel collaborations that bring together scientists preferably from different disciplines (e.g. from chemistry, physics, computer science, engineering) to focus on problems in the life sciences.
The research teams must be international. The principal applicant must be from one of the eligible countries. However, other participating scientists and laboratories may be situated anywhere in the world.
Amount: $1,350,000
LOI: March 22, 2010
Deadline: March 31, 2010
To learn more: http://www.hfsp.org/how/appl_forms_RG.php
Key Words: Molecular and Cellular, Systems Biology, Cognitive Neuroscience

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=2PP1K9LcJx0pSmV0lyjL6SfDpBqhT2WG2vcNGZLdLHyYYf0In1fWl-1163459943
Key Words: Next Generation, Bioassays

Fiscal Year (FY) 2010 Department of Defense Multidisciplinary Research Program of the University Research Initiative
ONR-BAA-10-002
Department of Defense (Dodd)
The Air Force Office of Scientific Research (AFOSR)
The MURI program supports basic science and/or engineering research at U.S. institutions of higher education (hereafter referred to as "universities") that is of potential interest to Dodd. The program is focused on multidisciplinary research efforts that intersect more than one traditional science and engineering discipline to address issues of critical concern to the Dodd. As defined by the Dodd, "basic research is systematic study directed toward greater knowledge or understanding of the fundamental aspects of phenomena and of observable facts without specific applications towards processes or products in mind. It includes all scientific study and experimentation directed toward increasing fundamental knowledge and understanding in those fields of the physical, engineering, environmental, and life sciences related to long-term national security needs. It is farsighted high payoff research that provides the basis for technological progress." (www.defenseink.mil/comptroller/fmr/02b/02b_05.pdf). The Dodd's basic research program invests broadly in many specific fields to ensure that it has early cognizance of new scientific knowledge.

Amount: $3,000,000
LOI: N/R
Deadline: March 2, 2010
To learn more: http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=49865
Key Words: Biologically-Engineering of Adherent / Spectroscopically Interrogated Microstructures

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=iw5d2ei4y1oz8takvisb4dr4i0a3hoe4
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=411797fccc2260cb5d9ed346b3c139a4b&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

Scientific Council of Advisors
New
Susan G. Komen for the Cure
Susan G. Komen for the Cure is establishing a new Council of Advisors of fifty experts from a variety of medical and scientific backgrounds to broaden the organization's investment in research, community programs, scientific peer review, and public policy. As distinguished scholars, full council members will be awarded a $250,000 Komen research grant, while associate council members will receive a $175,000 Komen research grant annually for the duration of their two-year term. Grants must be used to study critical questions in breast cancer and will require an annual project description and annual progress and financial reports.

Amount: up to $250,000
LOI: N/R
NIDDK Centers of Excellence in Molecular Hematology (P30)

New
RFA-DK-09-013
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
This FOA issued by The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) invites grant applications for Centers of Excellence in Molecular Hematology (CEMH). The Centers of Excellence in Molecular Hematology are part of an integrated program of hematologic diseases-related research support provided by the NIDDK. The Centers currently funded in this program have provided a focus for increasing collaboration and improving the cost-effectiveness of supported research among groups of successful investigators at institutions with an established, comprehensive hematologic diseases research base. An open competition is invited, in order to renew and strengthen this program.

Amount: $3,750,000
LOI: February 18, 2010
Deadline: March 26, 2010

Key Words: Molecular Hematology

Investigator Initiated Multi-Site Clinical Trials (Collaborative R01)

New
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

Comprehensive Partnerships to Reduce Cancer Health Disparities (Limited Competition U54)

New
RFA-CA-10-503
National Cancer Institute (NCI)
The National Cancer Institute (NCI) solicits cooperative agreement (U54) linked award applications for the implementation of Comprehensive Partnerships between institutions in racial/ethnic and/or underserved communities with cancer health disparities and NCI-designated Cancer Centers (or groups of Centers). The purpose of this funding opportunity announcement (FOA), formerly known as the Minority Institution/ Cancer Center Partnership (MI/CCP) program, is to foster and support intensive collaborations among these institutions in order to develop stronger national cancer programs aimed at understanding the reasons behind the significant cancer disparities and related impacts on racial and ethnic minority and socio-economically disadvantaged populations. This FOA is a limited competition solicitation intended for: (1) extending the support under the U54 mechanism for the best of the currently funded Comprehensive Partnerships [formerly known as Minority Institution/ Cancer Center Partnership (MI/CCP) program]; and (2) elevating to the full Comprehensive Partnership status the most promising partnerships currently in the planning/developing phase (supported by U56 awards under the former Cooperative Planning Grant for Comprehensive Minority Institution/ Cancer Center Partnership).

Amount: $10,000,000
LOI: March 7, 2010
Deadline: April 7, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-10-503.html

Key Words: Health Disparities, Minority Institution Partnerships, Cancer

Modification of RFA-CA-10-007 to Increase Applicants Flexibility for Proposing the Number of Clinical Trials to be Accomplished in the Funding Period

New
NOT-CA-10-016
National Cancer Institute (NCI)
The purpose of this Notice is to modify the recently published Request for Applications, RFA-CA-07-009, entitled “Cancer Immunotherapy Trials Network (U01)” to increase applicants’ flexibility for proposing the number of clinical trials to be accomplished in the funding period.
Amount:
LOI:
Deadline: Release Date: February 1, 2010
To learn more: http://grants.nih.gov/grants/guide/notice-files/NOT-CA-10-016.html
Key Words: Cancer, Immunotherapy

Ovarian Cancer Research Program Pilot Award
New
W81XWH-10-OCR-P
Department of Defense Congressionally Directed Medical Research Programs
The OCRP Pilot Award supports conceptually innovative, high-risk/high-reward research that could ultimately lead to critical discoveries or major advancements that will drive the field of ovarian cancer forward. Research priorities should include a testable hypothesis based on strong scientific rationale. Successful projects should provide a catalyst to expand or modify current thinking and/or approaches in ovarian cancer research. Preliminary data are not required, but are allowed. The strength of the proposal should be based on sound scientific rationale and logical reasoning. Clinical trials will not be supported by this award mechanism.
NEW for FY10 OCRP is a revised definition of innovation. Innovation is a significant feature of the Pilot Award. Innovative ideas are those that, if proven correct, will provide totally new paradigms, technologies, molecules, or applications and that, when applied in the future, will reduce the burden of ovarian cancer.
Amount: $200,000
LOI: March 11, 2010
Deadline: April 2010
To learn more:
http://www07.grants.gov/search/synopsis.do;jsessionid=h2hiL1GZVL6glLWTJdzrIQLPlGmm6h3f93HTjSCTFp615lvYk368786711
Key Words: Ovarian Cancer

FY10 Bone Marrow Failure Research Program (BMFRP)
New
W81XWH-10-BMF-PA
W81XWH-10-BMF-NIA
Department of Defense (DOD)
Congressionally Directed Medical Research Programs (CDMRP)
The objectives of the BMFRP are to fund scientifically meritorious research focused on BMF syndromes and their long-term sequelae. Studies that primarily focus on myeloproliferative neoplasms, leukemia, or other malignancies are discouraged. However, studies investigating BMF syndromes and their progression to other malignancies such as leukemia are acceptable. Proposals involving therapeutics, including but not limited to bone marrow transplantation, are strongly encouraged to address issues unique to BMF syndromes.
Amount: up to $400,000
LOI: March 25, 2010 for Exploration-Hypothesis Development Award
June March 11 for New Investigator Award
Deadline: April 8, 2010 for Exploration-Hypothesis Development Award
June 10, 2010 for New Investigator Award
To learn more: http://cdmrp.army.mil/funding/bmfrp.htm
Key Words: Bone Marrow Transplant, Failure, New Investigator

Breast Cancer Research Program Predoctoral Traineeship Award
New
W81XWH-10-BCRP-PRED
Department of Defense (DOD)
Congressionally Directed Medical Research Programs
The Predoctoral Traineeship Award supports the training of promising graduate students studying breast cancer under the guidance of a designated mentor to prepare them for successful careers in breast cancer research. Under this award mechanism, the predoctoral trainee is considered the Principal Investigator (PI) and, as such, should write the application with appropriate direction from the mentor. The mentor, who may be a junior or senior faculty member, must clearly demonstrate a commitment to guiding the PI’s research and training, and must have a track record in breast cancer research. If the mentor is not an experienced breast cancer researcher, then a formal co-mentorship by an established breast cancer researcher is required.
Applications should emphasize:

- The PI’s talent, potential, and commitment to breast cancer research,
- The mentor’s (and co-mentor’s, if applicable) qualifications and experience in breast cancer research,
- The level of the mentor’s (and co-mentor’s, if applicable) support of the PI’s research and training,
- The strength of the training program in breast cancer research, and
- The institution’s commitment to training future leaders in breast cancer research

Amount: $120,000
LOI: March 24, 2010
Deadline: April 7, 2010
To learn more: http://www.grants.gov/search/synopsis.do;jsessionid=8hWqlxWHvYyTHLJntqyvLtmy024dtJHrzR6dn81QQLJlZ2bxP2s6!1640260946

Key Words: Breast Cancer, Pre-Doctoral Training, Mentor

DoD Breast Cancer Idea Award

New
W81XWH-10-BCRP-IDEA
Department of Defense (DOD)
Congressionally Directed Medical Research Programs
The Idea Award is designed to promote new ideas that are still in the early stages of development and have the potential to yield highly impactful data and new avenues of investigation. This mechanism supports conceptually innovative, high-risk/high-reward research that could ultimately lead to critical discoveries or major advancements that will accelerate the eradication of breast cancer. Research projects should include a well-formulated, testable hypothesis based on strong scientific rationale. The BCRP seeks applications from all areas of basic, translational, clinical, behavioral, and epidemiological research. Presentation of preliminary data is not consistent with the intent of the Idea Award mechanism. While the inclusion of preliminary data is not prohibited, the strength of the application should not rely on preliminary data. Innovation and Impact are the most important aspects of the Idea Award.

Amount: $375,000-$750,000
LOI: April 21, 2010
Deadline: May 5, 2010
To learn more: http://www.grants.gov/search/announce.do;jsessionid=2r1LL09JTncbtqvlmdcbv1T894r2l4RYrrsXPL3PMxh8mr5jkppnl-243674431

Key Words: Breast Cancer

Breast Cancer Postdoctoral Fellowship Award

New
W81XWH-10-BCRP-POSTDOC
Department of Defense (DOD)
Congressionally Directed Medical Research Programs
The Postdoctoral Fellowship Award supports exceptionally talented recent medical or other doctoral graduates performing innovative, high-impact breast cancer research during their postdoctoral training, and allows them to obtain the necessary experience for an independent career at the forefront of breast cancer research. Candidates for this award should exhibit a strong desire to pursue a career in breast cancer research. Under this award mechanism, the postdoctoral trainee is considered the Principal Investigator (PI) and, as such, should write the project narrative with appropriate direction from the mentor. While the PI is not required to have previous experience in breast cancer research, this proposal must focus on breast cancer research. Proposals must emphasize the PI’s high potential for success in becoming an independent breast cancer researcher based on his/her qualifications, achievements, and letters of recommendations.

Amount: $300,000
LOI: March 24, 2010
Deadline: April 7, 2010
To learn more: http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=51448

Key Words: Breast Cancer, Post-Doctoral Training, Mentor

Breast Cancer Transformative Vision Award

New
W81XWH-10-BCRP-TVA
Department of Defense (DOD)
Congressionally Directed Medical Research Programs
Vision for dramatically affecting the prevention or treatment of breast cancer, and a plan to test and achieve the vision as quickly as possible. The critical components of this award mechanism are: Vision: The most important aspect of the Transformative Vision Award is the articulation of the vision for a new approach to significantly impact the prevention or treatment of breast cancer. The final impact...
may be near-term or long-term, but the success of the vision must be transformative on breast cancer. A careful presentation of the state-of-the-art, and how the vision will transform this state, must be described. Implementation: The vision must be supported by a detailed plan that identifies critical milestones and clearly outlines the innovations and technical solutions that will be implemented to accomplish the milestones. It is expected that the proposed plan will present an exceptional level of innovation and creativity, and that the Principal Investigator (PI) will assemble the team necessary to realize the vision.

Amount: $12,000,000
LOI: March 18, 2010
Deadline: April 2010
To learn more: [http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=51454](http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=51454)

Prostate Cancer Exploration-Hypothesis Development Award

*New*

W81XWH-10-PCRP-EHDA
Department of Defense (DOD)
Congressionally Directed Medical Research Programs
The Exploration – Hypothesis Development Award supports the exploration of highly innovative, untested, high-risk/high-gain concepts, theories, paradigms, and/or methods that address an important problem in prostate cancer. Results of studies conducted through this award may provide the scientific rationale upon which a new hypothesis can be based, or initial proof-of-principle of an innovative hypothesis. This award is designed to provide investigators the opportunity to pursue serendipitous observations that may reveal entirely new avenues for investigation. Applications for the PCRP Exploration – Hypothesis Development Award should also address at least one of the following FY10 PCRP focus areas:

- Biomarkers
- Genetics
- Imaging
- Survivorship
- Therapy
- Tumor Biology

Amount: $75,000
LOI: March 10, 2010
Deadline: March 31, 2010
To learn more: [http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=51477](http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=51477)

Key Words: Prostate Cancer, Biomarkers, Systemic Disease, Microenvironment and Tumor Development

Prostate Cancer Research Program Impact Award

*New*

W81XWH-10-PCRP-IA
Department of Defense (DOD)
Congressionally Directed Medical Research Programs
This award will support research projects specifically focused on making a major impact on one critical issue in prostate cancer: Reducing or eliminating the over-treatment of primary prostate cancer. Projects funded by this award will, if successful, ultimately change the standard of practice for decision-making in the treatment of primary prostate cancer. Studies conducted under the Impact Award may involve the development of surveillance mechanisms, including improvements in current clinical and diagnostic tools to monitor prostate cancer patients. Proposed projects may include basic, translational, or clinical research, including clinical trials, provided the overall project is hypothesis-based and focused on the problem of prostate cancer over-treatment. Applications for the PCRP Impact Award should also address at least one of the following FY10 PCRP focus areas:

- Biomarkers
- Genetics
- Imaging
- Survivorship
- Therapy
- Tumor Biology

Amount: $750,000
LOI: March 17, 2010
Deadline: April 19, 2010
To learn more: [http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=51479](http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=51479)

Key Words: Prostate Cancer, Active Surveillance, Biomarkers, Genetic Analysis, Improved Staging/Grading, Cancer Care Outcomes, Optimal Measures for Decision Making, Optimal Measures for Follow-up, Assessment and Progression

DoD Breast Cancer Multi-Team Award
The BCRP Multi-Team Award supports the creation of a collaborative research project among three teams, each led by a Principal Investigator (PI) with a history of creativity and innovation, to focus on a critical area of breast cancer. The Multi-Team Award should create an environment that fosters and supports innovation and creativity, with consistent, intensive interaction across teams in a way that engages all members of the teams in all aspects of the research project. The multi-team approach is expected to transform the research process through the integration of basic and clinical disciplines, substantive cross-disciplinary training among the scientists on the teams, and integral participation of consumer advocates.

Amount: $4,500,000
LOI: March 18, 2010
Deadline: April 2010
To learn more: http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=51452

Key Words: Breast Cancer

Knowledge Synthesis Center for Evaluating Genomic Application in Practice and Prevention (U18)

• This RFA Funding Opportunity Announcement (FOA) solicits research demonstration cooperative agreement (U18) applications to fund a Genomics Knowledge Synthesis Center. The Center will conduct, update, and publish systematic evidence reviews to address selected questions for the evaluation of a set of health-related genomic tests that may include DNA, RNA, and proteomic tests; family health history tools; and and/or other health-related genomic services (“genomic applications”). The Center will also produce brief narrative information summaries (“topic briefs”) on the validity and utility of selected genomic applications and related issues. Reviews and briefs will be integrated into an online knowledge repository for Genomic Applications in Practice and Prevention (GAPP) that CDC is developing in collaboration with the National Cancer Institute (NCI) and the National Center for Biotechnology Information (NCBI) of the National Library of Medicine. Research supported by this RFA will advance knowledge about what is known, and needs to be known, about the validity and utility of genomic applications for improving health and preventing disease.

Amount: $1,500,000
LOI: March 1, 2010
Deadline: April 7, 2010
To learn more: http://www07.grants.gov/search/synopsis.do;jsessionid=s3jwL8yRGsz8vQsQ8GsRywPM9j9XlhShg2VhynLH49tdQTCxWGChl511862290

Key Words: arthritis, cancer, kidney disease, diabetes, disability, heart disease and stroke, HIV, infectious diseases, maternal and child health, mental health, overweight, respiratory diseases, substance abuse, tobacco use, vision and hearing, educational and com

Men 2 Mentored Research Scholar Grants

• The American Cancer Society MEN2 Thyroid Cancer Consortium - The American Cancer Society announces a Request for Applications for the American Cancer Society MEN2 Thyroid Cancer Consortium. Up to seven (7) Research Scholar and/or Mentored Research Scholar grants and up to five (5) Postdoctoral Fellow grants will be awarded. The Consortium will be led by a single renowned senior scientist who will be awarded the American Cancer Society MEN2 Thyroid Cancer Professorship and act as leader for the overall program. Appropriate areas of investigation include, but are not limited to: understanding consequences of RET mutations, molecular events underlying the development of MEN2-related tumors, improved animal models of MEN2, new screening and monitoring tools, new imaging approaches, and new pharmacologic and other strategies to blunt the effects of mutations in RET and other genes associated with medullary thyroid cancer.

Amount: $675,000
LOI: N/R
Deadline: April 1, 2010
To learn more: http://www.cancer.org/docroot/RES/RES_5_1.asp?sitearea=RES

Key Words: Medullary Thyroid Cancer, RET, Multiple Endocrine Neoplasia type 2, MEN2

The Role of Healthcare and Insurance in Improving Outcomes in Cancer Prevention, Early Detection and Treatment
American Cancer Society (ACS)
The purpose of this call for applications is to stimulate research on the effects of the US healthcare system structure and the role of insurance on access to screenings and treatment. Of particular interest is research using linked databases such as SEER, Medicare payment data, State data and NCHS data; other existing databases. Studies may be at the state, multi-state, or national levels, or otherwise involve large populations. Respondents should specifically describe how their results would generalize to the broader corresponding U.S. populations.
Amount: up to $800,000
LOI: N/R
Deadline: April 1, 2010
To learn more: [http://img.delivery.net/cm50content/19439/RFA/HP_RFA_Jan_2010.pdf](http://img.delivery.net/cm50content/19439/RFA/HP_RFA_Jan_2010.pdf)
Key Words: Healthcare Insurance, High Risk Pools, Limited Coverage, Cancer Prevention, Cancer Screening

**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 Stroke (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
Key Words: Brain Tumor

**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](http://www.pardeefoundation.org/grants.aspx)
Key Words: Cancer

**Correlative Studies with Specimens from Multi-Site Trials (R21) [PA-08-133] and (R01) [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
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]

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


Key Words:

Decision Making in Cancer: Single-Event Decisions (R01) [PA-08-063] and (R21) [PA-08-064]

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


Key Words:

Cancer Education Grants Program (R25)

PAR-08-120

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 (CEGP) 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](http://grants.nih.gov/grants/guide/pa-files/PAR-08-120.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
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

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

Key Words: AIDS
Cancer Biology, Cancer or Carcinogenesis, Molecular Epidemiology

Millennium Promise Awards: Non-communicable Chronic Diseases Research Training Program (NCoD) (D43)
PAR-08-175
National Institutes of Health
This research training program is designed to build research capacity in low- and middle-income countries (LMICs) in the fields related to cancer, cerebrovascular disease including stroke, lung disease including chronic obstructive pulmonary disease (COPD) and environmental factors including indoor air pollution, and obesity and lifestyle factors related to these conditions as well as genetics of non-communicable diseases. The institutions applying can be domestic or foreign, but have to exhibit the ability to do such training, and must exhibit that they have existing research programs in these fields.

Amount: $1,100,000
LOI: August 31, 2010
Deadline: September 28, 2010
Translational Research at the Aging/Cancer Interface
[[(R01) PA-08-230] [R21] 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
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
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 (NIDDK)

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 updated 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

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

Key Words: Liver Disease, Nutritional Disorders

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

Key Words: Blood Banking, Transfusion

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  

**Key Words:** Hepatocellular Carcinoma, Alcohol Liver Disease, Cancer

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**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](http://grants.nih.gov/grants/guide/pa-files/PA-08-165.html)  

**Key Words:** Cancer, Stem Cells, Tumor Cells

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**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  

**Key Words:**

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**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  

**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
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
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), of 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 susceptibility 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
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: April 20, 2010; 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

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
Key Words: CAM, Alternative Therapy, Cancer

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 COREs, 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: December 28, 2009; April 20, 2010; August 21, 2010; December 20, 2010; April 20, 2011; August 20, 2011; December 20, 2011; April 22, 2012; August 20, 2012
**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*  
*Key Words: Organ Specific Cancer, Translational*  

**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*  
*Key Words: Cancer Surveillance, Epidemiology, Cancer, Health Claims*  

**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*  
*Key Words: Energy Balance, Cancer*  

**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
Key Words: Health Disparity, Cancer, Cancer Treatment

Erythropoiesis Stimulating Agents and Tumor Progression

[[R01] PA-09-023] and [[R21] 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
Key Words: Angiogenesis, EPO, Erythropoietin, Cancer Therapy

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
Key Words: Hematopoietic Cancers, Biomarkers

Participation of NCI in RFA-OD-10-001, RFA-OD-10-002, ARRAOS: Recovery Act Limited Competition: Behavioral Economics for Nudging the Implementation of Comparative Effectiveness Research: Clinical Trials (RC4) and Pilot Research (RC4)

NOT-CA-10-012 and NOT-CA-10-013
National Cancer Institute (NCI)
This Notice is to inform applicants that the National Cancer Institute announces its participation, effective immediately.

Amount: N/R
LOI: N/R
Deadline: April 7, 2010
Key Words: Comparative Effectiveness Research

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
Key Words: non-coding RNA, Cancer Detection, 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
Key Words: Cancer, Molecular Targeting

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
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-162.html
Key Words: Cancer, Diversity Practitioners, Cancer Biology

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: January 23, 2010; April 27, 2010; August 30, 2012
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: January 23, 2010; April 27, 2010; August 30, 2011
Deadline: February 23, 2010; May 27, 2010; September 30, 2011
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
Key Words: 

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: January 23, 2010; April 27, 2010; August 30, 2010
Deadline: February 23, 2010; May 27, 2010; September 30, 2010
**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 characterization 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  
Key Words: IGDD, Image-Guided Drug Delivery, cancer

**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  
Key Words: Cancer, Disparities, Epidemiology

**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 imaging.  
Amount: $6,250,000  
LOI: September 28, 2010; September 28, 2011  
Deadline: October 28, 2010; October 28, 2011  
Key Words: Cancer Center, Imaging

**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


**Key Words:** Hepatocarcinoma

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**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


**Key Words:** Cancer control, Population Science

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**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


**Key Words:** Cancer, Under-Represented Minorities

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**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:** January 19, 2010; September 19, 2010; January 18, 2011; September 19, 2011

**Deadline:** February 19, 2010; October 19, 2010; February 18, 2011; October 19, 2011

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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: April 28, 2010; August 28, 2010; December 28, 2010; April 30, 2011; August 28, 2011
Deadline: May 28, 2010; September 28, 2010; January 28, 2011; May 27, 2011; September 28, 2011

Request for Information (RFI): Studying the Roles of Cancer Stem Cells in Cancer Health Disparities
NOT-CA-10-001
National Cancer Institute (NCI)
The NCI is soliciting input from the scientific community and the general public regarding the significance of studying the roles of cancer stem cells in cancer health disparities and potential priority areas/specific ideas for such studies. In this idea-gathering phase, suggestions are also sought from scientist consultants as well as other NIH Institutes and Centers. This RFI provides an opportunity for respondents to submit their own ideas.

Amount: N/R
LOI: N/R
Deadline: respond before December 31, 2009

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: March 19, 2010; July 19, 2010; December 09, 2010

Paul Calabresi Career Development Award For Clinical Oncology (K12)
PAR-06-449
National Cancer Institute (NCI)
The goal of the Paul Calabresi Award for Clinical Oncology (PCACO) is to ensure a cadre of medical doctors and basic science researchers who can collaborate with each other to design and implement hypothesis-based translational therapeutic research. -The purpose of the PCACO is to increase the number of medical doctors (M.D. s, D.O. s), and doctorally-degreed nurses (Ph.D. s or equivalents) and basic research scientists (Ph.D. s, D.V.M. s, or equivalents) who are highly-motivated and trained to: 1) primarily perform clinical oncology therapeutic research that develops and tests scientific hypotheses based on fundamental and clinical research findings; 2) design and test hypothesis-based, clinical therapeutic protocols and adjunct biological analyses and for clinician candidates to administer all phases (i.e., pilot/Phase I, Phase II, and Phase III) of cancer therapeutic clinical trials, and (3) conduct cancer therapeutic research in team research settings in which basic research and clinical scientists 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 emphasize the use of animal or other model systems.

Amount: $5,250,000
LOI: 30 days prior to application
Deadline: Standard dates apply

Key Words: Cancer, Clinicians

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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

Key Words: Methylation, Micro RNA, miRNA, Histone

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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

Key Words: Molecular Epidemiology, Community and Social Variables of Cancer

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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

Key Words: Colon Cancer, Nutrition

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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  
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  
Key Words: Pancreatic Cancer  

21st Century Research Awards  
James S. McDonnell Foundation  
21st Century Research Awards are designed to support research projects with a high probability of generating new knowledge and insights. Projects submitted for funding consideration should be at an early, even preliminary stage of development, and should be intended to break new ground or to revisit commonly-held assumptions. Projects submitted should be sufficiently cross-disciplinary or heterodox to have a strong likelihood of influencing the development of new ways of thinking about important problems. All projects must qualify for one of the 21st Century Science Initiative's two program areas (see below) awarding 21st Century Initiative Research Awards.  
Studying Complex Systems  
Brain Cancer Research  
Amount: $450,000  
LOI: N/R  
Deadline: March 17, 2010  
To learn more: http://www.jsmf.org/apply/research/index.htm  
Key Words: Brain Cancer, Complex Systems Analysis  

NAVAL HEALTH RESEARCH CENTER (NHRC) SAN DIEGO, BROAD AGENCY ANNOUNCEMENT (BAA) 09-001  
W911QY-09-011  
Department of the Navy  
Amount: unspecified  
LOI: N/R  
Deadline: Concept papers will be accepted continuously through 31 March 2011  
To learn more: https://www.fbo.gov/index?s=opportunity&mode=form&tab=core&id=ea69907d162f41b163f0e6af5ba7b9a6  
Key Words: Medical Decision Support, Biomechanics, Cognitive Neuroscience, Stress, TBI, PTSD, Wounded Rehabilitation, Vitamin D, Cancer, Respiratory Illnesses, Depression, Global Emerging Infections System, Vaccines, Rapid Diagnostic Assays, Coagulopathy, Tissue Inj  

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/](http://www.charlottegeyer.org/)  
**Key Words:** Cancer

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**2009 Investigator's Award In Clinical Translation Of Cell And Gene Therapy For Cancer Research Grant**

ALLIANCE FOR CANCER GENE THERAPY, INC. ("ACGT")

A number of cell and gene therapy approaches for cancer have been shown to be efficacious and safe in laboratory animal models in the recent years, but their translation into clinical trials has been hindered by a lack of resources. Recognizing this critical need, ACGT is accepting grant applications to produce and release-testing of the clinical trial agents under cGMP, conduct the necessary pre-clinical pharmacological and toxicological studies in appropriate animal models, and/or conducting the clinical translational trials in patients in support of an Investigative New Drug (IND) application to the FDA. While the unambiguous demonstration of preclinical efficacy in cancer treatment by cell and gene therapy is a pre-requisite, entering into the clinical trial during the funding period is also a requirement.

**Amount:** $750,000  
**LOI:** Abstract deadline: January 19, 2010  
**Deadline:** March 18, 2010  
**To learn more:** [http://www.acgtfoundation.org/](http://www.acgtfoundation.org/)  
**Key Words:** Cancer, Gene Therapy, cGMP

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**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](http://www.cancer.org/docroot/RES/content/RES_5_2x_Mentored_Research_Scholar_Grant_in_Applied_and_Clinical_Research.asp?sitearea=RES)  
**Key Words:**

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**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_Psychiatric_Training_Awards_in_Preventive_Medicine.asp?sitearea=RES](http://www.cancer.org/docroot/RES/content/RES_5_2x_Psychiatric_Training_Awards_in_Preventive_Medicine.asp?sitearea=RES)  
**Key Words:**

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**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](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)

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:

Basic and Preclinical Research on Complementary and Alternative Medicine (CAM) (R01)
PA-07-007
NIH
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.
Amount: unspecified
LOI: N/R
Deadline: multiple (May 19, 2010)
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-045.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
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

NCMHD Innovative Faith-Based Approaches to Health Disparities Research (R21)
RFA-MD-10-004
National Center on Minority Health and Health Disparities (NCMHD)
The purpose of the NCMHD Innovative Faith-Based Approaches to Health Disparities Research (R21) is to solicit applications that propose translational and transdisciplinary interventions on health disparities, social determinants of health, health behavior and promotion and disease prevention, especially those jointly conducted with faith-based organizations or faith-motivated programs and the research community. The ultimate goal is to foster empirical, formative, evaluative and intervention research on effective faith-motivated initiatives, concepts and theories that have played an important role in addressing health disparities. Funding is also intended to provide support for early and conceptual stages of exploratory and developmental research projects. This focus will allow studies to evaluate the impact of faith-based initiatives and programs in health disparity populations, formulate hypotheses about the role and unique characteristics of faith communities in addressing health disparities, design targeted interventions and track the efficacy of faith-motivated efforts that result from a participatory approach to research in the community. These studies may involve considerable risk but may lead to a breakthrough in addressing health disparities or the development of a model or application that could have a major impact on the field of health disparities research.
Amount:  $275,000
LOI:  February 9, 2010
Deadline:  March 17, 2010
To learn more:  http://grants.nih.gov/grants/guide/rfa-files/RFA-MD-10-004.html
Key Words:  Health Disparities. Faith-Based Initiatives

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

Translational Tools for Clinical Studies of CAM Interventions (R01)
RFA-AT-10-001
National Center for Complementary and Alternative Medicine (NCCAM)
This Funding Opportunity Announcement (FOA) issued by the National Center for Complementary and Alternative Medicine (NCCAM) of the National Institutes of Health (NIH) encourages investigator(s)-initiated applications that propose to develop, enhance, and validate translational tools to facilitate rigorous study of complementary and alternative medicine (CAM) approaches that are in wide use by the public.

This FOA focuses on encouraging the development of improved research methodology to study safety, efficacy, and clinical effectiveness of mind-body interventions (such as meditation), manual therapies, and/or yoga therapy. Investigations of other CAM interventions (including natural products and dietary supplements) are not allowed for this FOA.

Amount: $1,500,000
LOI: N/R
Deadline: March 23, 2010
Key Words: CAM

**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), 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  
Key Words: CAM, Alternative Therapy, Cancer

**Cytomics**

**NE LB 606 NE DHHS 2010 Stem Cell Research Project**  
New  
NE DHHS  

In 2008, the Nebraska State Legislature adopted the Stem Cell Research Act (LB 606), which established a Stem Cell Research Advisory Committee to facilitate awarding of grants to Nebraska institutions or researchers for conducting stem cell research that does not use human embryonic stem cells. Principal Investigators (PIs) interested in submitting applications for the NE DHHS 2010 Stem Cell Research Project competition must first participate in UNMC’s internal screening by submitting a one-page project description by March 1, 2010, to Dr. James Turpen. UNMC is allowed to submit only five applications for this project and has therefore appointed Dr. Turpen to establish an internal review committee that will determine the five UNMC investigators who are invited to submit full applications to NE DHHS.

Amount: Up to $100,000 for a one-year period (July 1, 2010 to June 30, 2011) OR Up to $150,000 for a two-year period (July 1, 2010 to June 30, 2012)
LOI: Internal Application March 1, 2010 to Dr. James Turpen  
Deadline: Invited Applications March 30, 2010  
To learn more: Information and Description and [http://www.unmc.edu/media/spa/2010_ne_stem_cell_rfa.PDF](http://www.unmc.edu/media/spa/2010_ne_stem_cell_rfa.PDF)  
Key Words: non-Human Embryonic Stem Cells, Stem Cells non-embryonic

**Naval Health Research Center (BAA)**  
New  
NHRC BAA 09-001
DOD Navy
This Broad Agency Announcement (BAA) is intended to fulfill requirements for scientific study and experimentation directed toward advancing state-of-the-art technologies, and/or increasing knowledge and understanding as a means of eliminating current technology barriers. This BAA DOES NOT focus on specific systems or hardware solutions. This BAA identifies NHRC research/exploratory development areas of interest, and provides prospective offeror’s information on the preparation of proposals, along with proposal evaluation factors. The government may award purchase orders, contracts, grants, cooperative agreements or other transactions against this BAA.

**Amount:** unspecified
**LOI:**
**Deadline:** continuous until April 3, 2011
**To learn more:** [https://www.fbo.gov/index?s=opportunity&mode=form&tab=core&id=ea69907d162f41b163f0e6af5ba7b9a6](https://www.fbo.gov/index?s=opportunity&mode=form&tab=core&id=ea69907d162f41b163f0e6af5ba7b9a6)

**Key Words:** Tactical Medical Logistics Tool, Physical Stress, Load and Impact, Cognitive Neuroscience of Stress & Performance, PTSD/TBI, Wounded Warrior Rehabilitation Studies, Vitamin D and Cancer Prevention, Islet Cell Transplantation, Diabetes, Depression, Global

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**Developmental Pharmacology (R03)**
PAR-08-215
National Institutes of Health (NIH)
The purpose of this initiative is to encourage research to enhance our understanding of influences of development on mechanisms of drug action, pharmacodynamics, and drug biotransformation, prenatally and from birth through adolescence in appropriate in vivo or in vitro experimental systems including both human and animal models. In addition, because drugs are now being developed which target specific receptors or modulators (including those which may influence both safety and efficacy endpoints), it is imperative to determine their functional expression across the course of development. Successful applications should be designed around a central theme of ontogeny of processes, including cell division and differentiation, that have pharmacologic and clinical relevance, with emphasis on the interaction or relationships between these processes (e.g., drug metabolism and drug transport, receptors and ion channels, receptors and pharmacologic ligands) and application to the study of drugs in children and developing animals.

**Amount:** $100,000
**LOI:** Optional letters of intent are due April 23, 2010
**Deadline:** May 21, 2010

**Key Words:** Pharmacology

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**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](http://grants.nih.gov/grants/guide/pa-files/PA-08-251.html)

**Key Words:** Metals, Nutrition, Inorganic Chemistry

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**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  
**Key Words:** Progenitor Cells, Stem Cell Differentiation

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**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  
**Key Words:** non-coding RNA, Cancer Detection, Biomarkers

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**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  
**Key Words:** Hematopoietic Cancers, Biomarkers

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**Young Investigators’ Grants and Program Grants**  
**Human Frontier Science Program**  
Research grants are provided for teams of scientists from different countries who wish to combine their expertise in innovative approaches to questions that could not be answered by individual laboratories. Emphasis is placed on novel collaborations that bring together scientists preferably from different disciplines (e.g. from chemistry, physics, computer science, engineering) to focus on problems in the life sciences. The research teams must be international. The principal applicant must be from one of the eligible countries. However, other participating scientists and laboratories may be situated anywhere in the world.

**Amount:** $1,350,000  
**LOI:** March 22, 2010  
**Deadline:** March 31, 2010  
**To learn more:** [http://www.hfsp.org/how/appl_forms_RG.php](http://www.hfsp.org/how/appl_forms_RG.php)  
**Key Words:** Molecular and Cellular, Systems Biology, Cognitive Neuroscience

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**Diabetes, Endocrine and Metabolism**

**NIDDK Education Program Grants (R25)**  
**New**
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:** March 26, 2010. Standard dates apply for the remaining cycles


**Key Words:** Diabetes, Obesity, Nutrition, Informatics, Hematologic Diseases

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**NIDDK Centers of Excellence in Molecular Hematology (P30)**

**New**

**RFA-DK-09-013**

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

This FOA issued by The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) invites grant applications for Centers of Excellence in Molecular Hematology (CEMH). The Centers of Excellence in Molecular Hematology are part of an integrated program of hematologic diseases-related research support provided by the NIDDK. The Centers currently funded in this program have provided a focus for increasing collaboration and improving the cost-effectiveness of supported research among groups of successful investigators at institutions with an established, comprehensive hematologic diseases research base. An open competition is invited, in order to renew and strengthen this program.

**Amount:** $3,750,000

**LOI:** February 18, 2010

**Deadline:** March 26, 2010


**Key Words:** Molecular Hematology

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**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 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


**Key Words:**

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**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
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: The Role of Gastrointestinal Surgical Procedures in Amelioration of Obesity-Related Insulin, Resistance and Diabetes Independent of Weight Loss

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


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
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
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 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
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: February 10, 2010; October 13, 2010  
Deadline: March 10, 2010; November 10, 2010  
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  
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  
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

Key Words: Diabetes, Kidney Disease, Type I, Type II

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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

Key Words: Kidney Disease, Urinary Disease

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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](http://www2.niddk.nih.gov/Research/ClinicalResearch/AncillaryStudies)

Amount: $2,500,000
LOI: N/R
Deadline: Standard dates apply

Key Words: Phase 3 Clinical Trials, Diabetes, Epidemiological Studies

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Recovery Act Limited Competition: Research On Biosamples From Selected Diabetes Clinical Studies (RC4)
RFA-OD-10-010
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

This NIH Funding Opportunity Announcement (FOA), supported by funds provided to the NIH under the American Recovery and Reinvestment Act of 2009 (Recovery Act or ARRA), Public Law 111-5, invites applicants to apply for: 1) Access to non-renewable (non-DNA) samples generated by selected NIDDK-funded clinical trials and studies and funding to perform validated laboratory assays on the requested samples; OR 2) To apply for funding for assays to be performed on non-renewable (non-DNA) samples generated by selected NIDDK-funded clinical trials and studies, with proof of access approved by the consortia. Samples and funding will not be provided for assay development or exploratory research with animal models, or any research utilizing samples other than those that derive from studies listed below. Investigators should propose to test scientifically meritorious hypotheses related to the clinical trial or study's goals, and within the intent of the signed consent form for each study or trial. Data generated under this FOA is expected to be returned to the consortium or NIDDK repository.

Amount: $400,000
LOI: February 11, 2010
**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: February 24, 2010, October 4, 2010; February 24, 2011


Key Words: **Diabetes, Endocrinology, Metabolic Diseases**

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**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


Key Words: **Diabetes, Endocrinology, Metabolic Diseases**

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**Innovator Awards Program for IBD Research**

Innovator Awards Program for IBD Research

The Kenneth Rainin Foundation

The Kenneth Rainin Foundation believes that finding causes and cures for Inflammatory Bowel Disease (IBD) will require bold and creative ideas that expand our ability to further explore and conquer these challenges.

To accelerate the pace of discovery in IBD research, the Foundation is launching a new award, the Kenneth Rainin Foundation Innovator Awards Program for IBD Research.

Amount: $100,000

LOI: N/R

Deadline: March 15, 2010

To learn more: [http://krfoundation.org/grants/health](http://krfoundation.org/grants/health)

Key Words: **IBD, Inflammatory Bowel Disease**

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**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

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](http://grants.nih.gov/grants/guide/pa-files/PA-08-014.html)

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](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

Gut-Liver-Brain Interactions in Alcohol-Induced Pathogenesis (R01) and (R21)

RFA-AA-10-007 and RFA-AA-10-008
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
The goal of this Funding Opportunity Announcements (FOA), issued by the National Institute on Alcohol Abuse and Alcoholism (NIAAA), is to stimulate innovative research that will determine (1) how alcohol disrupts gut-liver-brain physiological communications, and (2) how these alterations contribute to the development and exacerbation of alcohol-associated diseases. These investigations are expected to provide a more comprehensive understanding of cellular and molecular mechanisms by which alcohol impairs homeostatic functions at both organ and systemic levels and initiates/promotes tissue injury.

Amount: $2,500,000
LOI: March 20, 2010
Deadline: April 20, 2010

Recovery Act Limited Competition: Comparative Effectiveness Research on Upper Endoscopy in Gastroesophageal Reflux Disease, Eradication Methods for Methicillin Resistant Staphylococcus aureus and Dementia Detection and Management Strategies (RC4)

RFA-OD-10-008
National Institute on Aging (NIA)
National Institute of Allergy and Infectious Diseases (NIAID)
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Institute of Mental Health (NIMH)
This NIH Funding Opportunity Announcement (FOA), supported by funds provided to the NIH under the American Recovery and Reinvestment Act of 2009 (Recovery Act or ARRA), Public Law 111-5, invites applications to conduct preliminary comparative effectiveness research (CER) projects in targeted, high-priority areas in which such efforts have been lacking. (For this FOA, applications should be thought of as large pilot or preliminary studies rather than definitive trials.) For the purposes of this FOA, the
definition of comparative effectiveness research will adhere to that adopted by the Federal Coordinating Council given at http://www.hhs.gov/recovery/programs/cer/execsummary.html

Amount: $1,250,000
LOI: N/R
Deadline: February 26, 2010
To learn more: [link]
Key Words: Dementia, GERD, MRSA, CRE, Comparative Effectiveness Research

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: [link]
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: February 10, 2010; October 13, 2010
Deadline: March 10, 2010; November 10, 2010
To learn more: [link]
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: [link]
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


**Key Words:** Liver Disease, Nutritional Disorders

**Limited Competition for the Continuation of the Adult Acute Liver Failure Study Group (U01)**

RFA-DK-09-506
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

This Funding Opportunity Announcement (FOA) issued by the NIDDK, National Institutes of Health is to invite a cooperative agreement (U01) application for the competing continuation of the Adult Acute Liver Failure Study Group.

**Amount:** $10,000,000

**LOI:** February 15, 2010

**Deadline:** March 15, 2010


**Key Words:** Liver Failure, Acute

**Limited Competition for the Continuation of the Pediatric Acute Liver Failure Study Group (U01)**

RFA-DK-09-505
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

This Funding Opportunity Announcement (FOA) issued by the NIDDK, National Institutes of Health is to invite a cooperative agreement (U01) application for the competing continuation of the Pediatric Acute Liver Failure Study Group.

**Amount:** $11,100,000

**LOI:** February 15, 2010

**Deadline:** March 15, 2010


**Key Words:** Liver Failure, Pediatric, Acute Liver Failure

**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

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
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](http://www.broadmedical.org/funding.htm)
Key Words: Digestive Diseases and Disorders, Gastroenterology, Inflammatory Bowel Disease

Notice of Availability of Administrative Supplements for R25 Science Education Grants
New
NOT-DA-10-007
National Institutes of Health Blueprint for Neuroscience Research
multiple institutes
The National Institutes of Health Blueprint for Neuroscience Research announces an administrative supplement program of $600,000 in Fiscal Years 2010 and 2011 to provide funds to Blueprint Institute-supported research education projects (see Eligibility section below). The purpose of this program is to create and broadly disseminate materials/programs to inform students and teachers in kindergarten-12th grade about the field of neuroscience.
Amount: $75,000
LOI: N/R
Deadline: April 2, 2010
Key Words: Neuroscience

Technology and Media Services for Individuals With Disabilities--Steppingstones of Technology Innovation for Children With Disabilities
New
ED-GRANTS-020210-002
Department of Education (DoEd)
The purposes of the Technology and Media Services for Individuals with Disabilities program are to: (1) Improve results for children with disabilities by promoting the development, demonstration, and use of technology; (2) support educational media services activities designed to be of educational value in the classroom setting to children with disabilities; and (3) provide support for captioning and video description that are appropriate for use in the classroom setting. Phase 1 projects must develop, refine, and test the feasibility of specific technology based...
approaches. Phase 2 projects must subject technology-based approaches to rigorous field-based research to determine their effectiveness.

**Amount:** $100,000-$300,000  
**LOI:** N/R  
**Deadline:** March 19, 2010  
**Key Words:** Early Intervention Technologies

### 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](http://grants.nih.gov/grants/guide/pa-files/PAR-08-120.html)  
**Key Words:**

### Research Education Grants for Statistical Training in Genetics of Addiction (R25)
**PAR-08-081**  
NIH  
This FOA invites applications focused on research education for the development and testing of new statistical models to address genetics-based research problems in addiction. Applicants are expected to propose a well-integrated research education and training program in statistical models or computational methods in genetics for undergraduate, graduate, and/or postdoctoral level students. Since this is a novel program, participants may be supported for as long as five years, however shorter durations of funding of some individual participants are encouraged. Achieving the capacity of the institution to address the identified research area(s) is an additional goal of this award. During this award, institutions will be expected to implement strategies for enhancing research infrastructure and capacity building at their institution and in collaborative activities.  
**Amount:** varies  
**LOI:** N/R  
**Deadline:** March 17, 2010  
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PAR-08-081.html](http://grants.nih.gov/grants/guide/pa-files/PAR-08-081.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
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

Key Words: Undergraduate Fellowships

Blueprint Program for Enhancing Neuroscience Diversity through Undergraduate Research Education Experiences (R25)

RFA-MH-10-070
National Institutes of Health (NIH)
multiple institutes

This Funding Opportunity Announcement (FOA) is an initiative of the NIH Blueprint for Neuroscience Research (http://neuroscienceblueprint.nih.gov). The goal of this FOA is to encourage and prepare undergraduate students from diverse backgrounds to enter Ph.D. degree programs in the neurosciences. To accomplish this goal, this initiative will provide institutional awards to develop neuroscience research education programs consisting of collaborative partnerships integrated across different educational institutions. Each collaborative research education partnership must have the following components: a) a research-intensive institution that has an established neuroscience or neuroscience related program, b) institution(s) that have a substantial enrollment of undergraduates from groups underrepresented in the biomedical and behavioral sciences, c) integrated curriculum/academic enhancement and research training activities designed to increase participants preparation to enter doctoral programs in the neurosciences, and d) well-described plans to provide early communication and interaction between participating students and graduate neuroscience programs across the country.

Amount: $1,250,000
LOI: February 24, 2010
Deadline: March 24, 2010

Key Words: Neuroscience

Recovery Act Limited Competition: Institutional Comparative Effectiveness Research Mentored Career Development Award (KM1)

RFA-OD-10-011
National Institutes of Health (NIH)
multiple institutes

Through this Funding Opportunity Announcement (FOA), entitled Institutional Comparative Effectiveness Research Mentored Career Development Award (KM1), which is supported by funds provided to the NIH under the American Recovery and Reinvestment Act of 2009 (Recovery Act or ARRA), Public Law 111-5, the NIH invites applications from research-intensive institutions to support mentored career development in support of comparative effectiveness research (CER) in an interdisciplinary environment catering to the needs of diverse populations of scholars including (but not limited to) those with backgrounds in biostatistics, epidemiology, health economics, pharmacology, medicine, and dentistry. Scholars should be encouraged to register for higher degrees, where appropriate. Successful applicant institutions will be expected to include course development work in their proposal and make provision for expanding the pool of experienced CER mentors.

Amount: $2,500,000
LOI: N/R
NIH Support for Conferences and Scientific Meetings (Parent R13/U13)
PA-10-071

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 the application.
Deadline: Standard dates apply

Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellows in PharmD/PhD Programs (F31)
PA-09-029

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.

NINDS Diversity Research Education Grants in Neuroscience (R25)
PAR-07-456

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

Mental Health Dissertation Research Grant to Increase Diversity (R36)
PAR-09-132

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.
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
Key Words: INBRE, IDeA, Biomedical Research Programs

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**Global Infectious Disease Research Training Program Award (D43)**

PAR-08-154
Fogarty International Center (FIC)
The purpose of this announcement is to invite applications for U.S. and developing country institutions for programs to provide infectious disease (excluding HIV/AIDS) research training to scientists and health professionals in order to build sustainable research capacity at institutions in low- and middle-income endemic countries.

Amount: $690,000
LOI: August 14, 2010
Deadline: September 16, 2010
Key Words: HIV/AIDS, Endemic Countries, Training

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**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
Key Words: Chronic Disease, Rehabilitation, Conferences

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**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](http://www.avdfdn.org/programs-healthcare.htm)
Key Words: Chronic Disease, Rehabilitation, Conferences

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**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](http://grants.nih.gov/grants/guide/pa-files/PAR-08-072.html)

**Key Words:** Occupational Health

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### 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:** March 26, 2010


**Key Words:** Health Care Training, Simulators

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### Octapharma Grants Program

**Octapharma**

Octapharma is committed to supporting clinical and pre-clinical research projects that promote excellence in patient care and provide valuable information to the medical and patient community that may translate to better management of disease and improvement in patient safety and population health.

To qualify, requests for support must relate to clinical or pre-clinical research focusing on human protein therapies in one or more of the following therapeutic areas:

- Immunotherapy
- Intensive Care and Emergency Medicine
- Coagulation Disorders

**Amount:** unspecified

**LOI:** N/R

**Deadline:** Grants are Reviewed semi-annually in April and October

**To learn more:** [http://www.octapharmagrants.com/grant-overview.cfm](http://www.octapharmagrants.com/grant-overview.cfm)

**Key Words:** Coagulation Disorders, Intensive Care, Emergency Medicine, Immunotherapy

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### 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
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: September 30, 2010

To learn more: http://www.grants.gov/search/announce.do;jsessionid=2vmFKPnL20sh2KRqMCTmSnJZ6FC5xZx1mdGGngwpJvfRCHIeTvYNI-1163459943

Key Words: Battlefield Wounds, Emergency Treatment, Antiparasisitics, Infectious Disease

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Equipment

Major Research Instrumentation Program

New

NSF 10-529

National Science Foundation (NSF)

The Major Research Instrumentation Program (MRI) serves to increase access to shared scientific and engineering instruments for research and research training in our Nation's institutions of higher education, museums, science centers, and not-for-profit organizations. This program especially seeks to improve the quality and expand the scope of research and research training in science and engineering, by providing shared instrumentation that fosters the integration of research and education in research-intensive learning environments. Development and acquisition of research instrumentation for shared inter- and/or intra-organizational use are encouraged, as are development efforts that leverage the strengths of private sector partners to build instrument development capacity at academic institutions.

To accomplish these goals, the MRI program assists with the acquisition or development of shared research instrumentation that is, in general, too costly and/or not appropriate for support through other NSF programs. Instruments are expected to be operational for regular research use by the end of the award period. For the purposes of the MRI program, proposals must be for either acquisition or development of a single instrument or for equipment that, when combined, serves as an integrated research instrument (physical or virtual). The MRI program does not support the acquisition or development of a suite of instruments to outfit research facilities or to conduct independent research activities simultaneously.

Amount: $100,000-$4,000,000

LOI: N/R

Deadline: April 12, 2010


Key Words: Instruments, Acquisition or Development
Radiochemistry and Radionuclide Imaging Instrumentation Research

**New**
DE-FOA-0000265
Department of Energy (DOE)
The Radiochemistry and Radionuclide Imaging Instrumentation Research program within BER, supports fundamental research for developing new methodologies for real-time, high-resolution imaging of dynamic biological processes in living systems. This research has two integrated goals: First, the research supports the DOE Science mission-related activities in bioenergy and bioremediation; Second, the fundamental methodologies developed under DOE-funded research may serve as tools leading to transformational new technologies for use in nuclear medicine research and applications supported by NIH and industry.

**Amount:** $400,000

**LOI:** N/R

**Deadline:** April 19, 2010

To learn more: [http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=51470](http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=51470)

**Key Words:** Radiotracer Chemistry, Labeling of Targeting Molecules, Imaging in Intact Living Systems, Microfluidics for Synthesis and Purification, High Throughput Screening

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**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

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**Shared Instrumentation Grant Program (S10)**
PAR-10-082
National Center for Research Resources (NCRR)
The NCRR Shared Instrument Grant (SIG) program encourages applications from groups of NIH-supported investigators to purchase or upgrade a single item of expensive, specialized, commercially available instrumentation or an integrated system that costs at least $100,000. The maximum award is $600,000. Types of instruments supported include confocal and electron microscopes, biomedical imagers, mass spectrometers, DNA sequencers, biosensors, cell sorters, X-ray diffraction systems, and NMR spectrometers among others.

**Amount:** up to $600,000

**LOI:** N/R

**Deadline:** March 23, 2010


**Key Words:** Confocal and Electron Microscopes, Biomedical Imagers, Mass Spectrometers, DNA sequencers, Biosensors, Cell Sorters, X-ray diffraction systems, NMR Spectrometers

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**Eyes, Ears, Nose, Throat**

**NEI Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) for Statistical Genetics and Genome Informatics**

**New**
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
**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](http://cdmrp.army.mil)

**Key Words:** Autism, Autism Spectrum Disorders, ASD

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**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


**Key Words:** Imaging, Bioengineering, Arthritis, Musculoskeletal and Skin Diseases, Dental and Craniofacial, Neurological Disorders, Stroke, CAM

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**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


**Key Words:** Deafness, Hearing

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**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


**Key Words:** Investigator Initiated

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**Research Project Grant (Parent R01)**

**PA-10-067**

National Institutes of Health (NIH)

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


**Key Words:** Eye, Cancer, Imaging, Alcohol Abuse, Aging, Arthritis, CAM, Deafness, Dental, Diabetes, Environmental Health Sciences

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**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


**Key Words:** Balance, Vestibular, Voice, Speech, Language

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**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

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

Proteomics in Auditory Developmental and Disease Processes (R01) and (R21) and (R01)
PA-09-228 and PA-09-058 and PA-08-176
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
Key Words: Proteomics, High Throughput Technologies, Hearing

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

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


**Key Words:** Auditory Hair Cells, Hearing Loss

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**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](http://grants.nih.gov/grants/guide/pa-files/PAR-10-017.html)

**Key Words:** Vision, Clinical Trials

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**Family Medicine**

**Eunice Kennedy Shriver NICHD Maternal Fetal Medicine Units Network (U10)**

**New**

**RFA-HD-10-008**

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) invites applications from investigators willing to participate with the NICHD under a cooperative agreement in an ongoing multi-center clinical program designed to investigate problems in clinical obstetrics, particularly those related to prevention of low birth weight, prematurity, and medical problems of pregnancy.

**Amount:** $1,000,000

**LOI:** May 1, 2010

**Deadline:** June 1, 2010


**Key Words:** Neonatal Medicine

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**Eunice Kennedy Shriver NICHD Cooperative Multicenter Neonatal Research Network (U10)**

**New**

**RFA-HD-10-003**

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
The FOA issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) invites applications from investigators willing to participate with the NICHD under a cooperative agreement in an ongoing multi-center clinical program designed to investigate problems in neonatal medicine, particularly those related to low birth weight, prematurity, and common neonatal medical problems.

**Amount:** $1,000,000

**LOI:** May 1, 2010

**Deadline:** June 1, 2010


**Key Words:** Neonatal Medicine
The Health Clinic Opportunity Fund
The Kresge Foundation
The Health Clinic Opportunity Fund is targeted to free clinics, public health clinics and those designated federally qualified health center look-alikes and is designed to support and strengthen their capacity to meet both the immediate and long-term health needs of their constituents.
Amount: $150,000
LOI: N/R
Deadline: March 1, 2010
To learn more: http://www.kresge.org/index.php/program_updates/article/kresge_foundation_announces_two_new_health_initiatives/
Key Words: Community Health Organizations, Health Care Reform

Innovator Awards Program for IBD Research
The Kenneth Rainin Foundation
The Kenneth Rainin Foundation believes that finding causes and cures for Inflammatory Bowel Disease (IBD) will require bold and creative ideas that expand our ability to further explore and conquer these challenges.
To accelerate the pace of discovery in IBD research, the Foundation is launching a new award, the Kenneth Rainin Foundation Innovator Awards Program for IBD Research.
Amount: $100,000
LOI: N/R
Deadline: March 15, 2010
To learn more: http://krfoundation.org/grants/health/
Key Words: IBD, Inflammatory Bowel Disease

Medical Management of Older Patients with HIV/AIDS
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
Key Words: HIV/AIDS, HIV, Aging

Women's Mental Health in Pregnancy and the Postpartum Period (R01)
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
Key Words: Post-Partum Depression
Diet Composition and Energy Balance (R01)
PA-07-218
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

Key Words: Obesity, Weight Loss, Diet

Planning Centers for Interdisciplinary Research in Benign Urology (IR-BU) (P20)
RFA-DK-10-001
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) invites applications for Planning Centers for Interdisciplinary Research in Benign Urology (IR-BU) (P20). These centers are to foster the establishment of interdisciplinary teams necessary for advancing our understanding of the underlying causes of benign lower urinary tract symptoms. Interdisciplinary teams will typically be composed of an urologist and a basic scientist along with collaborators from other disciplines. Because lower urinary tract symptoms, such as frequency, urgency, dysuria, terminal dribbling etc., are descriptive, it has been difficult to attribute these symptoms to specific etiologies or to particular urinary tract organs and tissues, supporting structures, or to the peripheral or central nervous system. The intent of this solicitation is to encourage planning grants to support the development of research teams that can integrate investigations of organ-specific development, structure and function, and physiology and pathophysiology with in vivo studies to understand the potential interplay of urologic and non-urologic organs and tissues that lead to lower urinary tract symptoms. Each IR-BU Center (P20) is limited to a single Scientific Project and must contain an Administrative Core and an Educational Enrichment Program.

Amount: $400,000
LOI: February 18, 2010
Deadline: March 18, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-10-001.html

Key Words: Urinary Tract, Bladder, Dysuria

NCMHD Innovative Faith-Based Approaches to Health Disparities Research (R21)
RFA-MD-10-004
National Center on Minority Health and Health Disparities (NCMHD)
The purpose of the NCMHD Innovative Faith-Based Approaches to Health Disparities Research (R21) is to solicit applications that propose translational and transdisciplinary interventions on health disparities, social determinants of health, health behavior and promotion and disease prevention, especially those jointly conducted with faith-based organizations or faith-motivated programs and the research community. The ultimate goal is to foster empirical, formative, evaluative and intervention research on effective faith-motivated initiatives, concepts and theories that have played an important role in addressing health disparities. Funding is also intended to provide support for early and conceptual stages of exploratory and developmental research projects. This focus will allow studies to evaluate the impact of faith-based initiatives and programs in health disparity populations, formulate hypotheses about the role and unique characteristics of faith communities in addressing health disparities, design targeted interventions and track the efficacy of faith-motivated efforts that result from a participatory approach to research in the community. These studies may involve considerable risk but may lead to a breakthrough in addressing health disparities or the development of a model or application that could have a major impact on the field of health disparities research.

Amount: $275,000
LOI: February 9, 2010
Deadline: March 17, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-MD-10-004.html

Key Words: Health Disparities. Faith-Based Initiatives
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)

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
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](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](http://www.aafpfoundation.org/x446.xml)
Key Words: Family Medicine

Genomics

Biotechnology Risk Assessment Research Grants Program

New
U.S. Department of Agriculture (USDA)

National Institute of Food and Agriculture

The purpose of the BRAG program is to assist Federal regulatory agencies in making science-based decisions about the effects of introducing into the environment genetically engineered organisms, including plants, microorganisms (including fungi, bacteria, and viruses), arthropods, fish, birds, mammals and other animals excluding humans. Investigations of effects on both managed and natural environments are relevant. The BRAG program accomplishes its purpose by providing Federal regulatory agencies with scientific information relevant to regulatory issues.

The BRAG program supports risk assessment research, which is defined as the science-based evaluation and interpretation of factual information in which a given hazard, if any, is identified, and the consequences associated with the hazard are explored. Research funded through this program will be relevant to environmental risk assessment and the federal regulatory process. When evaluating transgenic organisms, Federal regulators must answer the following four (4) general questions:
1. Is there a hazard? (Potential hazard identification.)
2. How likely is the hazard to occur? (Quantifying the probability of occurrence; identifying likely exposure scenarios.)
3. What is the severity and extent of the hazard if it occurs? (Quantifying the effects.); and
4. Is there an effect above and beyond what might occur with an unmodified organism or an organism that has similar traits, but was developed using other technologies?

Amount: $400,000-$1,000,000
LOI: N/R
Deadline: March 17, 2010
To learn more: [http://www.nifa.usda.gov/funding/rfas/biotech_risk.html](http://www.nifa.usda.gov/funding/rfas/biotech_risk.html)

Key Words: Mutagenesis, Genetic Engineering, RNA Interference Transgenes, Gene Flow

Forensic DNA Research and Development

New
The U.S. Department of Justice (DOJ)
Office of Justice Programs (OJP)
National Institute of Justice (NIJ)

- General improvements to the “front end” of the forensic DNA analysis process.
- Physical separation of cells (sperm cells from female epithelial cells, epithelial cells from different sources, etc.) or other components (e.g., polymerase chain reaction [PCR] products) in mixtures from two or more individuals or sources.
- Identification and/or characterization of biological markers that have the potential to reveal additional or more powerful information about the source of the biological evidence. Examples include markers that have the potential to provide forensically useful information about the phenotype of the DNA contributor, markers that can reveal information about the circumstances surrounding a crime, markers that can augment other forensic DNA marker systems, or markers that can increase the discriminatory power of DNA.
- Improved tools for examining aged, degraded, limited, damaged, inhibited, or otherwise compromised DNA evidence. Examples include:
  - Identification and/or characterization of genetic marker systems that have the potential to advance the tools available for forensic pathology examinations.
  - Development of new or enhancement of existing population data for use in estimating frequencies of genetic markers used in forensic applications.

Amount: $250,000
LOI: N/R
Deadline: April 2, 2010
To learn more: [http://www.ncjrs.gov/pdffiles1/nij/sl000905.pdf](http://www.ncjrs.gov/pdffiles1/nij/sl000905.pdf)

Key Words: DNA Analysis, Minimally Destructive DNA Extraction, DNA Condition Assessment, DNA Profiling, PCR Inhibitors, non-PCR Based Technologies

Deep Sequencing and Analysis of Pharmacogenomic Regions: Discovery and Analysis of Genetic Variants Contributing to Drug Abuse and Addiction (R01)

New
RFA-DA-10-019
National Institute on Drug Abuse (NIDA)

Genome-wide association studies (GWAS) have been critical for identifying genomic regions associated with addiction phenotypes, and have highlighted several areas that require further refinement using deep sequencing approaches. The goal of this FOA is to support studies proposing to use next-generation sequencing technologies to identify the structural variants and SNP variants with rare to moderate frequencies that affect addiction risk in well-characterized samples with drug abuse phenotypes. Applications may propose strategies for deep sequencing based on family based designs; deep sequencing of regions identified by GWAS to be associated with addiction risk; sequencing candidate genes in individuals with extreme phenotypes; or other analytic approaches that capitalize on the genetic architecture. Applicants must use existing DNA samples with appropriately obtained consents for broad data sharing.

Amount: $12,500,000
LOI: March 29, 2010
Deadline: April 29, 2010

Key Words: Addiction Phenotype/Genotypes

NEI Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) for Statistical Genetics and Genome Informatics

New
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, 2010, 2011, and 2012  
**Key Words:** Genomic Medicine, Ocular Diseases

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**Prostate Cancer Research Program Impact Award**

**New**  
W81XWH-10-PCRP-IA  
Department of Defense (DOD)  
Congressionally Directed Medical Research Programs  
This award will support research projects specifically focused on making a major impact on one critical issue in prostate cancer: Reducing or eliminating the over-treatment of primary prostate cancer. Projects funded by this award will, if successful, ultimately change the standard of practice for decision-making in the treatment of primary prostate cancer. Studies conducted under the Impact Award may involve the development of surveillance mechanisms, including improvements in current clinical and diagnostic tools to monitor prostate cancer patients. Proposed projects may include basic, translational, or clinical research, including clinical trials, provided the overall project is hypothesis-based and focused on the problem of prostate cancer over-treatment. Applications for the PCRP Impact Award should also address at least one of the following FY10 PCRP focus areas: Biomarkers, Genetics, Imaging, Survivorship, Therapy, Tumor Biology  
**Amount:** $750,000  
**LOI:** March 17, 2010  
**Deadline:** April 19, 2010  
**To learn more:** [http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=51479](http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=51479)  
**Key Words:** Prostate Cancer, Active Surveillance, Biomarkers, Genetic Analysis, Improved Staging/Grading, Cancer Care Outcomes, Optimal Measures for Decision Making, Optimal Measures for Follow-up, Assessment and Progression

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**Prostate Cancer Exploration-Hypothesis Development Award**

**New**  
W81XWH-10-PCRP-EHDA  
Department of Defense (DOD)  
Congressionally Directed Medical Research Programs  
The Exploration – Hypothesis Development Award supports the exploration of highly innovative, untested, high-risk/high-gain concepts, theories, paradigms, and/or methods that address an important problem in prostate cancer. Results of studies conducted through this award may provide the scientific rationale upon which a new hypothesis can be based, or initial proof-of-principle of an innovative hypothesis. This award is designed to provide investigators the opportunity to pursue serendipitous observations that may reveal entirely new avenues for investigation. Applications for the PCRP Exploration – Hypothesis Development Award should also address at least one of the following FY10 PCRP focus areas: Biomarkers, Genetics, Imaging, Survivorship, Therapy, Tumor Biology  
**Amount:** $75,000  
**LOI:** March 10, 2010  
**Deadline:** March 31, 2010  
**To learn more:** [http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=51477](http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=51477)  
**Key Words:** Prostate Cancer, Biomarkers, Systemic Disease, Microenvironment and Tumor Development
Knowledge Synthesis Center for Evaluating Genomic Application in Practice and Prevention (U18)

**New**
RFA-GD10-001
Centers for Disease Control and Prevention (CDC)
- This RFA Funding Opportunity Announcement (FOA) solicits research demonstration cooperative agreement (U18) applications to fund a Genomics Knowledge Synthesis Center. The Center will conduct, update, and publish systematic evidence reviews to address selected questions for the evaluation of a set of health-related genomic tests that may include DNA, RNA, and proteomic tests; family health history tools; and/or other health-related genomic services (“genomic applications”). The Center will also produce brief narrative information summaries (“topic briefs”) on the validity and utility of selected genomic applications and related issues. Reviews and briefs will be integrated into an online knowledge repository for Genomic Applications in Practice and Prevention (GAPP) that CDC is developing in collaboration with the National Cancer Institute (NCI) and the National Center for Biotechnology Information (NCBI) of the National Library of Medicine. Research supported by this RFA will advance knowledge about what is known, and needs to be known, about the validity and utility of genomic applications for improving health and preventing disease.

**Amount:** $1,500,000
**LOI:** March 1, 2010
**Deadline:** April 7, 2010
**To learn more:** [http://www07.grants.gov/search/synopsis.do;jsessionid=s3jwL8yRGsz8vQsQ8GsRywPM9j9XLhShg2VhynLH49tdQTCxWGCkt51186229O](http://www07.grants.gov/search/synopsis.do;jsessionid=s3jwL8yRGsz8vQsQ8GsRywPM9j9XLhShg2VhynLH49tdQTCxWGCkt51186229O)

**Key Words:** arthritis, cancer, kidney disease, diabetes, disability, heart disease and stroke, HIV, infectious diseases, maternal and child health, mental health, overweight, respiratory diseases, substance abuse, tobacco use, vision and hearing, educational and com

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](http://www.soph.uab.edu/ssg/default.aspx?id=68)

**Key Words:**

Senior Scholar Award in Aging

The Ellison Medical Foundation
The Ellison Medical Foundation was established and is supported by Lawrence J. Ellison to support biomedical research (including basic biology, basic biomedicine and epidemiology) on aging. The Ellison Medical Foundation Senior Scholar program is designed to support established investigators, working at institutions in the U.S., to conduct research in the basic biological and basic biomedical sciences relevant to understanding lifespan development processes and age-related diseases and disabilities.

**Areas of interest include, but are not limited to:**
- Structural biology
- Molecular genetics
- Studies with model systems ranging from lower eukaryotes to humans
- Inquiries testing the relevance of simpler models to human aging
- Genetic epidemiology of aging; candidate longevity genes
- Aging in the immune system
- Host defense molecules in aging systems
- Mechanisms of free radical induced cell aging
- Mechanisms of aging in various differentiated cell populations
- Gene/environment and gene/gene interactions
- Integrative physiology
- New approaches to age-modulated disease mechanisms

**Amount:** $600,000
**LOI:** March 4, 2010
**Deadline:**
**To learn more:** [http://www.ellisonfoundation.org/adsp.jsp?key=12aging_senior_proc&show=100](http://www.ellisonfoundation.org/adsp.jsp?key=12aging_senior_proc&show=100)

**Key Words:** Aging
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:

Research Education Grants for Statistical Training in Genetics of Addiction (R25)
PAR-08-081
NIH
This FOA invites applications focused on research education for the development and testing of new statistical models to address genetics-based research problems in addiction. Applicants are expected to propose a well-integrated research education and training program in statistical models or computational methods in genetics for undergraduate, graduate, and/or postdoctoral level students. Since this is a novel program, participants may be supported for as long as five years, however shorter durations of funding of some individual participants are encouraged. Achieving the capacity of the institution to address the identified research area(s) is an additional goal of this award. During this award, institutions will be expected to implement strategies for enhancing research infrastructure and capacity building at their institution and in collaborative activities.
Amount: varies
LOI: N/R
Deadline: March 17, 2010
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-081.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
NICHD, 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

Recovery Act Limited Competition: NIH Director’s Opportunity for Research in Five Thematic Areas (RC4)
RFA-OD-10-005
National Institutes of Health (NIH)
American Recovery & Reinvestment Act of 2009 (Recovery Act)
This NIH Funding Opportunity Announcement (FOA), supported by funds provided to the NIH under the American Recovery and Reinvestment Act of 2009 (Recovery Act or ARRA), Public Law 111-5, solicits through this limited competition applications from domestic (United States) institutions/organizations proposing to develop and implement critical research innovations in one or more of the following five thematic areas: Applying Genomics and Other High Throughput Technologies; Translating Basic Science Discoveries into New and Better, Treatments; Using Science to Enable Health Care Reform Focusing on Global Health; Reinvigorating the Biomedical Research Community .
Amount: >$1,500,000
LOI: February 15, 2010
Deadline: March 15, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-OD-10-005.html
Key Words: Health Care Reform, High Throughput Technology, Genomics, Drug Delivery, Treatment

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

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, Envi

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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

Key Words: Addictions, Alcohol or Alcoholism, Alcoholism Prevention, Genetics, Substance Abuse, Substance Abuse Prevention

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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

Key Words: Proteomics, High Throughput Technologies, Hearing
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 (May 28, 2010; 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

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
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

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
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 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: X-Ray Crystallography, NMR, Membrane Proteins, Small Protein Complexes

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

Metagenomic Evaluation of Oral Polymicrobial Disease (R01)
RFA-DE-10-003
National Institute of Dental and Craniofacial Research (NIDCR)
This Funding Opportunity Announcement (FOA) issued by The National Institute of Dental and Craniofacial Research (NIDCR), National Institutes of Health (NIH), solicits Research Project Grant (R01) applications from institutions/organizations that propose to utilize current metagenomic analytical technologies to study the role of polymicrobial communities, those specifically composed of archaea, bacteria, and fungi, in the initiation and progression of oral microbial diseases.
Amount: varies
LOI: February 2, 2010
Deadline: March 2, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-10-003.html

Key Words: Oral Polymicrobial Disease

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
National Institute of Allergy and Infectious Diseases
National Institute on Deafness and Other Communication Disorders
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-08-138.html

Key Words: X-Ray Crystallography, NMR, Membrane Proteins, Small Protein Complexes
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 Institute on
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


**Key Words:** Small Grants

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**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


**Key Words:** Laboratory Techniques, Class Development, Genomic Science

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**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


**Key Words:** Dietary Components, Cancer Prevention

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**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 susceptibility to cancer. These studies will allow for personalization of cancer preventive dietary strategies to reduce cancer risk in genetically susceptible individuals. Association and non-interventional epidemiologic-focused studies will not be supported in conjunction with this FOA.

**Amount:** varies
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
Key Words: Methylation, Micro RNA, miRNA, Histone

Basic and Applied Scientific Research
W911NF-07-R-0003-02
ARMY RESEARCH OFFICE
8.2 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.

Amount: unspecified
LOI: N/R
Deadline: available immediately
Key Words: DNA Replication, DNA Mutagenesis, Oxidation

2009 Investigator's Award In Clinical Translation Of Cell And Gene Therapy For Cancer Research Grant
ALLIANCE FOR CANCER GENE THERAPY, INC. ("ACGT")
A number of cell and gene therapy approaches for cancer have been shown to be efficacious and safe in laboratory animal models in the recent years, but their translation into clinical trials has been hindered by a lack of resources. Recognizing this critical need, ACGT is accepting grant applications to produce and release-testing of the clinical trial agents under cGMP, conduct the necessary pre-clinical pharmacological and toxicological studies in appropriate animal models, and/or conducting the clinical translational trials in patients in support of an Investigative New Drug (IND) application to the FDA. While the unambiguous demonstration of preclinical efficacy in cancer treatment by cell and gene therapy is a pre-requisite, entering into the clinical trial during the funding period is also a requirement.

Amount: $750,000
LOI: Abstract deadline: January 19, 2010
Deadline: March 18, 2010
To learn more: http://www.acgtfoundation.org/
Key Words: Cancer, Gene Therapy, cGMP
Science of Behavior Change: Finding Mechanisms of Change in the Laboratory and the Field (R01)

New
RFA-RM-10-002
National Institutes of Health (NIH)
Multiple Institutes
This FOA solicits Research Project Grant (R01) applications that will improve understanding of the basic mechanisms of behavior change by bridging work in the laboratory and the field. This understanding will advance several goals, including: the identification of the optimal targets and timepoints in the life course for intervention; the identification of common mechanisms of change related to either multiple or bundled health behaviors; the ability to tailor interventions to particular at-risk individuals or groups; the application of novel technologies for behavioral assessment and change; and the identification of individuals or groups most likely to benefit from specific interventions. This initiative seeks to establish the groundwork for a unified science of behavior change, capitalizing on emerging basic science to accelerate investigation of common mechanisms that play a role in initiating or maintaining behavior change and are applicable across a broad range of health-related behaviors. Approaches from behavioral economics; the social, behavioral, cognitive and affective neurosciences; neuroeconomics; behavior genetics and genomics; and systems science are specifically encouraged. By focusing basic research on the mechanisms of behavior change, and by integrating work across laboratory and field contexts, this initiative should transform the efficacy, effectiveness, and cost efficiency of behavior change interventions.

Amount: $2,000,000
LOI: March 29, 2010
Deadline: April 26, 2010
Key Words: Behavioral Interventions

Scientific Meetings for Creating Interdisciplinary Research Teams (R13)

New
PA-10-106
National Institutes of Health (NIH)
Multiple Institutes
This FOA solicits Research Project Grant (R01) applications that will improve understanding of the basic mechanisms of behavior change by bridging work in the laboratory and the field. This understanding will advance several goals, including: the identification of the optimal targets and timepoints in the life course for intervention; the identification of common mechanisms of change related to either multiple or bundled health behaviors; the ability to tailor interventions to particular at-risk individuals or groups; the application of novel technologies for behavioral assessment and change; and the identification of individuals or groups most likely to benefit from specific interventions. This initiative seeks to establish the groundwork for a unified science of behavior change, capitalizing on emerging basic science to accelerate investigation of common mechanisms that play a role in initiating or maintaining behavior change and are applicable across a broad range of health-related behaviors. Approaches from behavioral economics; the social, behavioral, cognitive and affective neurosciences; neuroeconomics; behavior genetics and genomics; and systems science are specifically encouraged. By focusing basic research on the mechanisms of behavior change, and by integrating work across laboratory and field contexts, this initiative should transform the efficacy, effectiveness, and cost efficiency of behavior change interventions.

Amount: $2,000,000
LOI: March 29, 2010
Deadline: April 26, 2010
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-106.html
Key Words: Behavioral Interventions

The Clagett Family Research Grant

New
Foundation for Physical Therapy
The Clagett Family Research Grant is intended to fund research on interventions that use exercise to improve mobility and participation in older adults with multiple chronic conditions. The foundation encourages collaborative and multidisciplinary teams to apply for a grant.

Amount: $300,000
LOI: March 1, 2010
Deadline: May 5, 2010
To learn more: http://www.apta.org/AM/Template.cfm?Section=Awards_and_Scholarships&TEMPLATE=/CM/ContentDisplay.cfm&CONTENTID=67897
Key Words: Exercise, Mobility, Physical Therapy, Aging

Remote Patient Monitoring Diffusion Grants Program
New

Center for Technology and Aging
The center has announced the release of application guidelines for the Remote Patient Monitoring Diffusion Grants Program and is soliciting Letters of Intent from organizations interested in expanding the use of remote patient monitoring technologies to improve the health and safety of older adults.

The grant program will encourage use of technologies that 1) are used in the home and sub-acute care settings; 2) foster independent living and the ability to live in the setting of the patient's choice; 3) will lead to improvements in the cost and quality of care; and 4) help reduce the burden on formal and informal caregivers.

Amount: $100,000
LOI: March 12, 2010
Deadline: April 30, 2010
To learn more: [http://www.techandaging.org/](http://www.techandaging.org/)

Key Words: Remote Patient Monitoring, Independent Living, Aging

Senior Scholar Award in Aging
The Ellison Medical Foundation
The Ellison Medical Foundation was established and is supported by Lawrence J. Ellison to support biomedical research (including basic biology, basic biomedicine and epidemiology) on aging. The Ellison Medical Foundation Senior Scholar program is designed to support established investigators, working at institutions in the U.S., to conduct research in the basic biological and basic biomedical sciences relevant to understanding lifespan development processes and age-related diseases and disabilities.

Areas of interest include, but are not limited to:
- Structural biology
- Molecular genetics
- Studies with model systems ranging from lower eukaryotes to humans
- Inquiries testing the relevance of simpler models to human aging
- Genetic epidemiology of aging; candidate longevity genes
- Aging in the immune system
- Host defense molecules in aging systems
- Mechanisms of free radical induced cell aging
- Mechanisms of aging in various differentiated cell populations
- Gene/environment and gene/gene interactions
- Integrative physiology
- New approaches to age-modulated disease mechanisms

Amount: $600,000
LOI: March 4, 2010
Deadline:
To learn more: [http://www.ellisonfoundation.org/adsp.jsp?key=12aging_senior_proc&show=100](http://www.ellisonfoundation.org/adsp.jsp?key=12aging_senior_proc&show=100)

Key Words: Aging

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

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


**Key Words:**

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**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


**Key Words:**

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**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


**Key Words:** Imaging, Bioengineering, Arthritis, Musculoskeletal and Skin Diseases, Dental and Craniofacial, Neurological Disorders, Stroke, CAM

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**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


**Key Words:** Investigator Initiated

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**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
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
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
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

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

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

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

Key Words: Aging, Fatigability, Bioenergetics

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

Translational Research at the Aging/Cancer Interface

[(R01) PA-08-230] [(R21) PA-08-231]

PA-08-230 and PA-06-231
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

Key Words: Aging, Cancer

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...
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.

Key Words: Aging, Pain Management

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.

Key Words: Apolipoprotein, Alzheimer’s Disease

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.

Key Words: Secondary Analysis, 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


**Key Words:** Injury, Aging

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**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


**Key Words:** Geriatrics, Gerontology

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**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:** February 1, 2010, 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:** March 1, 2010, 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](http://grants.nih.gov/grants/guide/pa-files/PAR-08-266.html)

**Key Words:** Alzheimer's Disease, Cognitive Function, Cognitive Impairment

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**Promoting Careers in Aging and Health Disparities Research (K01)**

**PAR-09-136**

**National Institute on Aging (NIA)**

The purpose of this FOA, "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


**Key Words:** Aging, Community Health, Rural Health, Health Disparities

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**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

Key Words: Nursing Research, Cancer Control, Life-Threatening Decision Making Caregivers, Palliative Care

Parkinson’s Disease Data Organizing Center [PD-DOC] (U24)
RFA-NS-11-001
National Institute of Neurological Disorders and Stroke (NINDS)
National Institute of Environmental Health Sciences (NIEHS)
This FOA issued by the National Institute of Neurological Disorders and Stroke (NINDS) and the National Institute of Environmental Health Sciences (NIEHS), National Institutes of Health, solicits cooperative agreement grant applications from institutions/organizations that propose to develop a redesigned and enhanced Parkinson’s Disease Data Organizing Center. NINDS and NIEHS are committed to facilitating the collection and sharing of data related to clinical and translational research in Parkinson’s disease. The goal of this program is a resource that will serve the Parkinson’s disease (PD) research community by developing an ongoing repository for data from clinical trials and clinical studies, including epidemiologic and genetic studies, related to PD, and sharing of these data to enhance research. These data may include clinical as well as associated imaging, genetic, and neuropathology data elements. In addition, the Center will link clinical data with associated genetic, biospecimen, imaging, and neuropathology data as available in other databases. The Parkinson’s Disease Data Organizing Center also will develop a flexible web-based data entry system using standardized common data elements for PD clinical research studies that can be modified by investigators for a variety of clinical research studies. The center will also maintain an up-to-date listing of resources for researchers in the scientific community. Ongoing outreach efforts should be undertaken to maximize data sharing via this resource in order to optimize research in PD. The information technology employed should serve to optimize the accessibility and usefulness of the information within the data organizing center.

Amount: $3,400,000
LOI: March 30, 2010
Deadline: April 30, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-NS-11-001.html
Key Words: Parkinson Disease, Data Organizing Center

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 (May 28, 2010; 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)
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)

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) and (R21)**

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

Key Words: Animal Models, Aging, Geriatric

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**Heart and Vascular**

**Investigator Initiated Multi-Site Clinical Trials (Collaborative R01)**

**New**

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

Key Words: Clinical Trials

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**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


**Key Words:**

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**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


**Key Words:** Diabetes, Kidney Disease, Type I, Type II

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**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


**Key Words:** Sleep, Physical Activity, Cardiovascular Disease

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**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


**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
Key Words: Heart, Lung, Blood and Sleep Disorders

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

NHLBI Anticipates Issuing a New Funding Opportunity Announcement to Solicit Applications for Basic Research in Cellular and Molecular Mechanisms of Arterial Stiffening and the Relationship to the Development of Hypertension
NOT-HL-09-130
National Heart, Lung, and Blood Institute (NHLBI)
The purpose of this notice is to announce NHLBI’s intention to issue a Funding Opportunity Announcement (FOA) in the Fall of 2009 to fund up to 10 R01’s beginning in fiscal year 2010. The objectives of this FOA are to support studies aimed at elucidating mechanisms underlying large, conduit artery stiffening in the context of hypertension and studies that examine the temporal relationship between large artery stiffening and the development of hypertension in animal models. Responsive applications must demonstrate the capability to measure arterial stiffening using either established models of hypertension or new animal models developed for this FOA.
Amount:
LOI: Released September 11, 2010
To learn more: http://grants.nih.gov/grants/guide/notice-files/NOT-HL-09-130.html
Key Words: Hypertension, Arterial Stiffening

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/notice-files/NOT-HL-09-130.html
Key Words: MD/PhD Fellowships
**Global Polio Eradication Initiative**

**New**

World Health Organization (WHO)
Center for Disease Control (CDC)
Unicef
Bill and Melinda Gates Foundation

The Polio Research Committee (PRC) identifies unmet research needs, directs research, and assists in identifying investigators and designing studies to answer unanswered research questions in the fight to end polio.

The PRC is currently soliciting research proposals with particular focus on the following:

1) Understanding mucosal immunity in India
2) Addressing low vaccine coverage in Nigeria

**Amount:** unspecified

**LOI:** N/R

**Deadline:** March 30, 2010

To learn more: [http://www.polioeradication.org/content/fixed/opvcessation/opvc_researchproposals.asp](http://www.polioeradication.org/content/fixed/opvcessation/opvc_researchproposals.asp)

**Key Words:** Epidemiology, Risk Factors, Mucosal Immunity, Gut Immunity, Poliovirus

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**Biotechnology Risk Assessment Research Grants Program**

**New**

U.S. Department of Agriculture (USDA)
National Institute of Food and Agriculture

The purpose of the BRAG program is to assist Federal regulatory agencies in making science-based decisions about the effects of introducing into the environment genetically engineered organisms, including plants, microorganisms (including fungi, bacteria, and viruses), arthropods, fish, birds, mammals and other animals excluding humans. Investigations of effects on both managed and natural environments are relevant. The BRAG program accomplishes its purpose by providing Federal regulatory agencies with scientific information relevant to regulatory issues.

The BRAG program supports risk assessment research, which is defined as the science-based evaluation and interpretation of factual information in which a given hazard, if any, is identified, and the consequences associated with the hazard are explored. Research funded through this program will be relevant to environmental risk assessment and the federal regulatory process. When evaluating transgenic organisms, Federal regulators must answer the following four (4) general questions:

1. Is there a hazard? (Potential hazard identification.)
2. How likely is the hazard to occur? (Quantifying the probability of occurrence; identifying likely exposure scenarios.)
3. What is the severity and extent of the hazard if it occurs? (Quantifying the effects.); and
4. Is there an effect above and beyond what might occur with an unmodified organism or an organism that has similar traits, but was developed using other technologies?

**Amount:** $400,000-$1,000,000

**LOI:** N/R

**Deadline:** March 17, 2010

To learn more: [http://www.nifa.usda.gov/funding/rfas/biotech_risk.html](http://www.nifa.usda.gov/funding/rfas/biotech_risk.html)

**Key Words:** Mutagenesis, Genetic Engineering, RNA Interference Transgenes, Gene Flow

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**Naval Health Research Center (BAA)**

**New**

NHRC BAA 09-001
DOD Navy

This Broad Agency Announcement (BAA) is intended to fulfill requirements for scientific study and experimentation directed toward advancing state-of-the-art technologies, and/or increasing knowledge and understanding as a means of eliminating current technology barriers. This BAA DOES NOT focus on specific systems or hardware solutions. This BAA identifies NHRC research/exploratory development areas of interest, and provides prospective offeror’s
information on the preparation of proposals, along with proposal evaluation factors. The government may award purchase orders, contracts, grants, cooperative agreements or other transactions against this BAA.

**Amount:** unspecified

**LOI:**

**Deadline:** continuous until April 3, 2011

To learn more: [https://www.fbo.gov/index?s=opportunity&mode=form&tab=core&id=ea69907d162f41b163f0e6af5ba7b9a6](https://www.fbo.gov/index?s=opportunity&mode=form&tab=core&id=ea69907d162f41b163f0e6af5ba7b9a6)

**Key Words:** Tactical Medical Logistics Tool, Physical Stress, Load and Impact, Cognitive Neuroscience of Stress & Performance, PTSD/TBI, Wounded Warrior Rehabilitation Studies, Vitamin D and Cancer Prevention, Islet Cell Transplantation, Diabetes, Depression, Global

**Department of Defense Multiple Sclerosis Research Program (MSRP)**

**New**

W81XWH-10-MSRP-CA  
W81XWH-10-MSRP-IA  

Department of Defense Congressionally Directed Medical Research Programs

This program provides $5 M for innovative ideas and approaches that have the potential to make a significant impact on multiple sclerosis research and/or patient care.

**Amount:** up to $450,000

**LOI:** Concept Award-March 25, 2010; Idea Award-March 11, 2010

**Deadline:** Concept Award-April 8, 2010; Idea Award June 10, 2010

To learn more: [http://cdmrp.army.mil/funding/msrp.htm](http://cdmrp.army.mil/funding/msrp.htm)

**Key Words:** Multiple Sclerosis

**Year 2010 Department of Defense Peer Reviewed Medical Research Program**

**New**

W81XWH-10-PRMRP-CTA  
W81XWH-10-PRMRP-CA  
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:** March 11, 2010 for Investigator-Initiated Research Award  
March 25, 2010 for Concept Award,  
April 22, 2010 for Clinical Trial Award, Technology/Therapeutic Development Award

**Deadline:** April 8, 2010 for Concept Award  
May 13, 2010 for Clinical Trials Award, Technology/Therapeutic Development Award
**Chronic Fatigue Syndrome: Pathophysiology and Treatment**

[R01] PA-08-246 and [R21] 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 Arthritis

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


**Key Words:** Myalgic Encephalomyelitis, Chronic Fatigue Syndrome, CFS

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**Octapharma Grants Program**

Octapharma  

Octapharma is committed to supporting clinical and pre-clinical research projects that promote excellence in patient care and provide valuable information to the medical and patient community that may translate to better management of disease and improvement in patient safety and population health.

To qualify, requests for support must relate to clinical or pre-clinical research focusing on human protein therapies in one or more of the following therapeutic areas:

- Immunotherapy  
- Intensive Care and Emergency Medicine  
- Coagulation Disorders

**Amount:** unspecified  
**LOI:** N/R  
**Deadline:** Grants are Reviewed semi-annually in April and October

To learn more: [http://www.octapharmagrants.com/grant-overview.cfm](http://www.octapharmagrants.com/grant-overview.cfm)  

**Key Words:** Coagulation Disorders, Intensive Care, Emergency Medicine, Immunotherapy

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**Enhancing Tumoricidal Activity of Natural Killer (NK) Cells by Dietary Components for Cancer Prevention (R01)**

[PA-08-131] and [R21] [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).
Unique Interactions Between Tobacco Use and HIV/AIDS

Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Smoking, AIDS/HIV

Mechanisms of Alcohol-Induced Tissue Injury (R01)

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)

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

Metagenomic Evaluation of Oral Polymicrobial Disease (R01)

Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Smoking, AIDS/HIV
utilize current metagenomic analytical technologies to study the role of polymicrobial communities, those specifically composed of archaea, bacteria, and fungi, in the initiation and progression of oral microbial diseases.

**Amount:** varies

**LOI:** February 2, 2010  
**Deadline:** March 2, 2010  
**Key Words:** Oral Polymicrobial Disease

### 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 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  
**Key Words:** Immunodeficiency Diseases

### NAVAL HEALTH RESEARCH CENTER (NHRC) SAN DIEGO, BROAD AGENCY ANNOUNCEMENT (BAA) 09-001

**W911QY-09-011**  
Department of the Navy  

The Naval Health Research Center (NHRC) Broad Agency Announcement (BAA) 09-001, identifies scientific and technical areas of interest for research and/or exploratory development.


**Amount:** unspecified  
**LOI:** N/R  
**Deadline:** Concept papers will be accepted continuously through 31 March 2011  
**To learn more:** [https://www.fbo.gov/index?s=opportunity&mode=form&tab=core&id=ea69907d162f41b163f0e6af5ba7b9a6](https://www.fbo.gov/index?s=opportunity&mode=form&tab=core&id=ea69907d162f41b163f0e6af5ba7b9a6)  
**Key Words:** Medical Decision Support, Biomechanics, Cognitive Neuroscience, Stress, TBI, PTSD, Wounded Rehabilitation, Vitamin D, Cancer, Respiratory Illnesses, Depression, Global Emerging Infections System, Vaccines, Rapid Diagnostic Assays, Coagulopathy, Tissue Inj

### 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](http://www.broadmedical.org/funding.htm)  
**Key Words:** Digestive Diseases and Disorders, Gastroenterology, Inflammatory Bowel Disease
8.3. 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 material, 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.

Amount: unspecified
LOI: N/R
Deadline: available immediately
To learn more: http://www.arl.army.mil/www/default.cfm?Action=6&Page=8

Key Words: Microbiology, Microbe Communities

Infectious Disease/Biopreparedness

Global Polio Eradication Initiative
New
World Health Organization (WHO)
Center for Disease Control (CDC)
Unicef
Bill and Melinda Gates Foundation
The Polio Research Committee (PRC) identifies unmet research needs, directs research, and assists in identifying investigators and designing studies to answer unanswered research questions in the fight to end polio.
The PRC is currently soliciting research proposals with particular focus on the following:
1) Understanding mucosal immunity in India
2) Addressing low vaccine coverage in Nigeria
Amount: unspecified
LOI: N/R
Deadline: March 30, 2010
To learn more: http://www.polioeradication.org/content/fixed/opvcessation/opvc_researchproposals.asp
Key Words: Epidemiology, Risk Factors, Mucosal Immunity, Gut Immunity, Poliovirus

Technology-Based Adherence Interventions for Substance Abusing Populations with HIV (R01) and (R34)
New
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
Key Words: Treatment Regimens, HIV/AIDS

Systems Biology, HIV/AIDS, and Substance Abuse (R01)
New
RFA-DA-10-014
National Institute on Drug Abuse (NIDA)
The purpose of this FOA is to solicit applications utilizing systems biology approaches to interrogate and integrate multiple complex databases in order to discover new paradigms that may lead to unanticipated avenues of research at the interface of HIV/AIDS and substance use and abuse.

Amount: $3,750,000  
LOI: March 29, 2010  
Deadline: April 29, 2010  
Key Words: Systems Biology, HIV/AIDS, Substance Abuse

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

New  
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  
Key Words: HIV/AIDS, Alcohol, Disease Transmission, Risk Assessment, Interventions

Chronic Co-Morbid Conditions in HIV+ U.S. Adults on Highly-Effective Anti-Retroviral Therapy (R01) and (R21)

New  
RFA-NR-10-001 and RFA-NR-10-002  
National Institute of Nursing Research (NINR)  
This FOA issued by National Institute of Nursing Research, National Institutes of Health, solicits Research Project Grant (R01) applications from institutions/organizations proposing mechanistic projects or interventions designed to understand or intervene in chronic co-morbid conditions common to HIV+ adults living in the U.S. who are treated with anti-retroviral therapy. These conditions may be a result of anti-retroviral therapy or the HIV disease process. These same kinds of conditions may also be common in older non-infected adults, but more information is needed on the natural history, including both biological and behavioral manifestations, and appropriate intervention when HIV+ adults are affected by conditions, such as cachexia, diabetes, kidney disease, neurological changes, cardiovascular disease or cancer. Since the advent of the protease inhibitors in 1996-1997, anti-retroviral treatment options have been evolving, including the customized combination ART. It is important to evaluate this progress and identify new opportunities for research associated with the use of anti-retroviral therapies and the association of co-morbidities of HIV+ individuals as they live through middle and old age. Research exploring these issues utilizing interdisciplinary and multidisciplinary research teams is strongly encouraged, as are research teams including underrepresented, minority, disabled, or women investigators.

Amount: $2,500,000  
LOI: April 5, 2010  
Deadline: May 5, 2010  
Key Words: Retroviral Therapy, HIV/AIDS

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-areas 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 microbialological 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 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.ari.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: $400,000
LOI: N/R
Deadline: multiple, see link
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAS-08-061.html
Key Words:

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
Key Words: Biological Stock, Cultures, Virus, Bacteria
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

Key Words: Preserved Tissues and other Physical Samples, e.g. DNA libraries and digital images.

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

Key Words: AIDS Cancer Biology, Cancer or Carcinogenesis, Molecular Epidemiology

HIV/AIDS Funds for Competitive Revision Applications (R01, R03, R15, R21, R21/R33, R37) for HIV/AIDS-related Research through the NIH Basic Behavioral and Social Science Opportunity Network
NOT-OD-10-036
National Institutes of Health (NIH)

The National Institutes of Health (NIH) announces the opportunity for investigators and institutions/organizations with relevant active NIH-supported research project grants (R01, R03, R15, R21, R21/R33, and R37) to submit competitive revision applications (formerly termed competitive supplements) to accelerate, expand, and/or strengthen basic behavioral and social sciences research (b-BSSR) relevant to HIV/AIDS risk, prevention, disease progression, and treatment. Competitive revision applications should support a significant expansion of the scope or research protocol approved and funded for the “parent” award on which the revision application is based.

Amount: $150,000
LOI: April 7, 2010
Deadline: May 7, 2010

Key Words: Behavioral and Social Processes; Interactions between Biology, Behavior, and Social Processes; Methodology and Measurement in the Behavioral and Social Sciences
Recovery Act Funds for Competitive Revision Applications (R01, R03, R15, R21, R21/R33, and R37) for HIV/AIDS-related Research through the NIH Basic Behavioral and Social Science Opportunity Network

NOT-OD-10-033

National Institutes of Health (NIH)
The National Institutes of Health (NIH) announces the opportunity for investigators and United States institutions/organizations with relevant active NIH-supported research project grants (R01, R03, R15, R21, R21/33, and R37) to submit competitive revision applications (formerly termed competitive supplements) to accelerate, expand, and/or strengthen basic behavioral and social sciences research (b-BSSR) relevant to HIV/AIDS risk, prevention, and treatment. Competitive revision applications must support a significant expansion of the scope or research protocol approved and funded for the “parent” award on which the revision application is based. Support for these competitive revision applications will come from funds provided to NIH through the American Recovery and Reinvestment Act of 2009 (“Recovery Act” or “ARRA”), Public Law 111-5.

Amount:  $450,000
LOI:  February 25, 2010
Deadline:  March 25, 2010

Key Words:  Epigentics, Behavioral Genetics, Psychoneuroimmunology, Psychopharmacology, Behavioral Cardiology, Social Networks and Spread of Vectors of Disease

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

Key Words:  HIV, AIDS, Epidemiology

Medical Management of Older Patients with HIV/AIDS

[(R01)PA-09-017] and [(R03) PA-09-018 ] or [(R21) PA-09-019]

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

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.
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
or http://grants.nih.gov/grants/guide/pa-files/PA-08-219.html

Key Words: Drug Abuse, Drug Dependence

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

Pre-Application for the 2010 NIDA Avant-Garde Award Program for HIV/AIDS Research (X02)
PAR-10-068
National Institute on Drug Abuse (NIDA)
The NIDA Avant-Garde Award Program for HIV/AIDS Research is meant to complement NIDA’s traditional investigator-initiated grant programs by supporting individual scientists of exceptional creativity who propose high-impact research that will open new avenues for prevention and treatment of HIV/AIDS among drug abusers. The term “avant-garde” is used to describe highly innovative approaches that have the potential to be transformative—open new areas of research or lead to new avenues of treatment and prevention for HIV/AIDS among drug abusers. The proposed research should reflect ideas substantially different from those already being pursued by the investigator or others.

Amount: $2,500,000
LOI: N/R
Deadline: March 1, 2010
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-068.html

Key Words: HIV/AIDS, Drug Abuse

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](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

**Key Words:**

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**Recovery Act Limited Competition: Comparative Effectiveness Research on Upper Endoscopy in Gastroesophageal Reflux Disease, Eradication Methods for Methicillin Resistant Staphylococcus aureus and Dementia Detection and Management Strategies (RC4)**
RFA-OD-10-008
National Institute on Aging (NIA)
National Institute of Allergy and Infectious Diseases (NIAID)
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Institute of Mental Health (NIMH)
This NIH Funding Opportunity Announcement (FOA), supported by funds provided to the NIH under the American Recovery and Reinvestment Act of 2009 (Recovery Act or ARRA), Public Law 111-5, invites applications to conduct preliminary comparative effectiveness research (CER) projects in targeted, high-priority areas in which such efforts have been lacking. (For this FOA, applications should be thought of as large pilot or preliminary studies rather than definitive trials.) For the purposes of this FOA, the definition of comparative effectiveness research will adhere to that adopted by the Federal Coordinating Council given at [http://www.hhs.gov/recovery/programs/cer/execsummary.html](http://www.hhs.gov/recovery/programs/cer/execsummary.html)

Amount: $1,250,000
LOI: N/R
Deadline: February 26, 2010

**Key Words:** Dementia, GERD, MRSA, CRE, Comparative Effectiveness Research

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**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 Health
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](http://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

**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: $1,500,000 (varies)
LOI: N/R
Deadline: standard dates apply
Key Words: HIV, AIDS, NeuroAIDS

Metagenomic Evaluation of Oral Polymicrobial Disease (R01)

RFA-DE-10-003
National Institute of Dental and Craniofacial Research (NIDCR)
This Funding Opportunity Announcement (FOA) issued by The National Institute of Dental and Craniofacial Research (NIDCR), National Institutes of Health (NIH), solicits Research Project Grant (R01) applications from institutions/organizations that propose to utilize current metagenomic analytical technologies to study the role of polymicrobial communities, those specifically composed of archaea, bacteria, and fungi, in the initiation and progression of oral microbial diseases.

Amount: varies
LOI: February 2, 2010
Deadline: March 2, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-10-003.html
Key Words: Oral Polymicrobial Disease

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; May 16, 2011
Deadline: June 15, 2010; June 15, 2011
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)

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

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 antiretroviral 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

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.
**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)

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


**Key Words:** Small Grants

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**Systems Biology Approach to the Mechanisms of TB Latency and Reactivation (R01)**
RFA-HL-10-015
National Heart, Lung, and Blood Institute (NHLBI)

The National Heart, Lung, and Blood Institute solicits Research Project Grant (R01) applications under this funding opportunity announcement (FOA) to investigate the mechanisms of latency and the reactivation of tuberculosis in the host using integrated systems biology approaches. Systems biology is defined in many ways. For the purposes of this FOA we are using a definition found on the MIT CSBi website: research program that links biologists, computer scientists, and engineers in a multi-disciplinary approach to the systematic analysis of complex biological phenomena. The studies should include multiscale computational modeling and focus on host lung responses to Mycobacterium tuberculosis (Mtbc) and host-microbial interactions that drive latency and reactivation in humans. To build the theoretical models, human and animal data should be utilized. The studies should integrate the data obtained from omic approaches with biological/immunological data. The models should be such that they can be tested in humans or non-human primates. The use of human samples and or data is required. Applicants are strongly encouraged to use the multiple principal investigator mechanism to facilitate collaborations among investigators with expertise in mathematics and computational multiscale modeling and clinical investigators and experimental biologists who have expertise in tuberculosis, pulmonology, lung biology, immunology, microbiology, genomics, genetics, other omics, and infectious diseases. Applicants are also strongly urged to include bioengineers and physicists in the research groups to enable teams of investigators to take advantage of new and developing technologies likely to be needed both to obtain biological data for building the computational models and for testing hypotheses generated by them. This FOA solicits applications for the TB Systems Biology Centers and runs in parallel with a separate FOA that solicits applications for a Data Coordinating Center (see RFA-HL-10-022).

**Amount:** $1,920,000
**LOI:** February 24, 2010
**Deadline:** March 24, 2010


**Key Words:** TB

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**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
Key Words: Biomarkers, Cancer Biology

Medicines for Malaria Venture (MMV) 8th Call for Letters of Interest
Medicines for Malaria Venture (MMV)
Medicines for Malaria Venture is a not-for-profit organization committed to the discovery, development and delivery of affordable anti-malarial drugs through public-private partnerships. We are looking towards the next generation of molecules which will power the agenda for the eradication of Malaria.
Amount: unspecified
LOI: March 16, 2010
Deadline: To learn more: http://www.mmv.org/article.php3?id_article=29
Key Words: Malaria, Drug Discovery

Global Infectious Disease Research Training Program Award (D43)
PAR-08-154
Fogarty International Center (FIC)
The purpose of this announcement is to invite applications for U.S. and developing country institutions for programs to provide infectious disease (excluding HIV/AIDS) research training to scientists and health professionals in order to build sustainable research capacity at institutions in low- and middle-income endemic countries.
Amount: $690,000
LOI: August 14, 2010
Deadline: September 16, 2010
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-154.html
Key Words: HIV/AIDS, Endemic Countries, Training

Adolescent Medicine Trials Network for HIV/AIDS Interventions (ATN) [U01]
RFA-HD-10-015
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Institute on Drug Abuse (NIDA)
National Institute of Mental Health (NIMH)
The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institute on Drug Abuse (NIDA), and the National Institute of Mental Health (NIMH) invite applications from investigators willing to participate with NICHD, NIDA, and NIMH under a cooperative agreement to support the Adolescent Medicine Trials Network for HIV/AIDS Interventions (ATN). The primary mission of the ATN will be to conduct research, both independently and in collaboration with existing research networks and individual investigators, in HIV-infected and HIV-at-risk pre-adolescents, adolescents, and young adults up to age 25 years. This network will have the capacity for developing and conducting selected behavioral, community-based translational, prophylactic, therapeutic, microbicide and vaccine trials. Mechanism of Support.
Amount: varies
LOI: March 14, 2010
Deadline: April 14, 2010
Key Words: Community Based Translational Therapy, HIV, Risk Assessment

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 ChemBio 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=2PP1K9LcJx0pSmV0iyjL8SfdpBqhT2WG2vcNGZLdLHyYf0ln1twW-1163459943

Key Words: Next Generation, Bioassays

Researching, Creating, Developing, Deploying and Evaluating Innovative Educational Tools, Approaches & Resources to Advance Intellectual Basis for a National Homeland Security S&T Workforce
BAA09-07
Department of Homeland Security

The focus of this initiative is to research, create, develop, deploy and evaluate innovative educational tools, approaches and resources that will assist with the development of an educated and well trained scientific and technical workforce, representative of the U.S. population that DHS and its partners will need to protect the country in the foreseeable future. At least one of the following topical areas of strategic interest must be a component of white papers/proposals submitted under this solicitation. (see the BAA for full listings)

1. Social & Behavioral Sciences
2. Risk, Economics, & Decision Sciences
3. Human Factors
4. Chemical Threats & Countermeasures
5. Biological Threats & Countermeasures
16. Advanced Data Analysis & Visualization

Amount: unspecified
LOI: white papers considered on a rolling basis
Deadline: February 28, 2010
To learn more: https://www.fbo.gov/download/c41/c418c2c7574e9672594ff3f76eba6a2a/BAA09-07@dhs.gov.pdf

Key Words: Public Risk, Medicine and Public Health, Chemical-Biological Threats, Detection and Warning Systems, Decontamination, Medical Responses to Biological Threat Events

Non-Immunological Detection of Bacterial Biothreat Agent Antigens
BAA-10-02
Department of Homeland Security

the Chemical Biological Division (CBD) seeks technologies to prevent, detect, and defend against a biological attack. The focus of this BAA is in the area of bacterial biothreat agent detection, surveillance, and identification research.

The threat of terrorist or criminal use of pathogenic organisms and their toxins remains of great concern in the United States. In order to address capability gaps in this area and support the Surveillance and Detection Pillar of the National Biomonitoring Architecture (NBMA), the development of rapid and specific detection methods are needed to provide reliable analysis on a variety of bacterial biothreat agents. As part of the effort to deter biological terrorism and strengthen the capabilities of the bodefense and public health laboratory response, it is important to explore both classic and alternative methods and approaches to address the critical need to rapidly detect bacterial biothreat agent antigens and toxins of interest.

Amount: varies
LOI: white paper submission: December 31, 2009
Deadline: February 22, 2010
To learn more: https://www.fbo.gov/index?s=opportunity&mode=form&id=1069924a90da9aa633e5588f476ffec5&tab=core&cview=1

Key Words: Bacterial Antigen, Recombinant Receptor Binding, Yersinia pestis, Francisella tularensis, Burholderia mallei, Burkholderia pseudomallei
Basic Research for Combating Weapons of Mass Destruction (C-WMD)
HDTTRA1-08-10-BRCWMD-BAA
Department Of Defense (DOD)
Defense Threat Reduction Agency
This BAA is focused on soliciting basic research projects that support the DTRA mission to safeguard America and its allies from WMD (e.g., chemical, biological, radiological, nuclear, and high yield explosives) by providing capabilities to reduce, eliminate, and counter the threat and mitigate its effects. To this end, DTRA seeks research across broad strategic thrust areas:
3. Science for Protection: Basic science for protection involves advancing knowledge to protect life and life-sustaining resources and networks. Protection includes threat containment, decontamination, threat filtering, and shielding of systems. The concept is generalized to include fundamental investigations that reduce consequences of WMD, assist in the restoration of life-sustaining functions, and support forensic science.
Amount: $2,500,000
LOI: registration: March 31, 2010
Deadline: May 12, 2010
To learn more:
http://www07.grants.gov/search/announce.do;jsessionid=JrpRKc7NiPTw1ywWRx58MNRQ19GcMlyFpsD4Fly1ySM8jYmkrh7L-82303134
Key Words: Forensic Science, Decontamination, Containment

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=2vmFKPnL20sh2KRqMCTmsnJZ6FC5xZx1mdGGngwpJvfRCHlcTvYNI1163459943
Key Words: Battlefield Wounds, Emergency Treatment, Antiparasisitics, Infectious Disease

Basic and Applied Scientific Research
W911NF-07-R-0003-02
ARMY RESEARCH OFFICE
8.2 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.

**Amount:** unspecified

**LOI:** N/R

**Deadline:** available immediately


**Key Words:** DNA Replication, DNA Mutagenesis, Oxidation

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**Basic and Applied Scientific Research**

**W911NF-07-R-0003-02**

**ARMY RESEARCH OFFICE**

8.4 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, neuropsychological and/or cortical/cognitive mechanisms underlying successful completion of complex task behaviors applicable to non-laboratory 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 psycho physiological 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.

**Amount:** unspecified

**LOI:** N/R

**Deadline:** available immediately


**Key Words:** Cognition, Integrative Neurobiology

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**Basic and Applied Scientific Research**

**W911NF-07-R-0003-02**

**ARMY RESEARCH OFFICE**

8.3. 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 material, 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.

**Amount:** unspecified

**LOI:** N/R

**Deadline:** available immediately


**Key Words:** Microbiology, Microbe Communities

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**Special Emphasis Notice (SEN): AHRQ Announces Interest in Career Development (K01, K02, K08) Grants focused on Health Care Associated Infections in Ambulatory Care Settings**

**NOT-HS-10-009**

**Agency for Healthcare Research and Quality (AHRQ)**

In Fiscal Year 2010, AHRQ intends to support individual mentored and independent career-development grants (i.e., K01, K02, K08 grants) to doctorally-prepared clinicians and scientists interested in pursuing research careers related to the prevention and more effective management of health care associated infections (HAIs). The objective of individual career development grants is to provide support and “protected time” for an intensive, mentored or independent research career development experience. Details on the scope, eligibility, deadlines, and application procedures for these grants can be found at one of the following sites: [http://www.ahrq.gov/fund/training/trainix.htm#indlg](http://www.ahrq.gov/fund/training/trainix.htm#indlg), or [http://www.ahrq.gov/fund/](http://www.ahrq.gov/fund/).
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: March 29, 2010, then 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
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
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](http://grants.nih.gov/grants/guide/pa-files/PA-09-204.html)
Key Words: Biomarkers, Translational Research, Therapies

Planning Centers for Interdisciplinary Research in Benign Urology (IR-BU) (P20)
RFA-DK-10-001
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) invites applications for Planning Centers for Interdisciplinary Research in Benign Urology (IR-BU) (P20). These centers are to foster the establishment of interdisciplinary teams necessary for advancing our understanding of the underlying causes of benign lower urinary tract symptoms. Interdisciplinary teams will typically be composed of an urologist and a basic scientist along with collaborators from other disciplines. Because lower urinary tract symptoms, such as frequency, urgency, dysuria, terminal dribbling etc., are descriptive, it has been difficult to attribute these symptoms to specific etiologies or to particular urinary tract organs and tissues, supporting structures, or to the peripheral or central nervous system. The intent of this solicitation is to encourage planning grants to support the development of research teams that can integrate investigations of organ-specific development, structure and function, and physiology and pathophysiology with in vivo studies to understand the potential interplay of urologic and non-urologic organs and tissues that lead to lower urinary tract symptoms. Each IR-BU Center (P20) is limited to a single Scientific Project and must contain an Administrative Core and an Educational Enrichment Program.
Amount: $400,000
LOI: February 18, 2010
Deadline: March 18, 2010
Key Words: Urinary Tract, Bladder, Dysuria

Polycystic Kidney Disease (PKD) Research and Translation Core Centers (P30)
RFA-DK-09-007
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) invites applications for Polycystic Kidney Disease (PKD) Research and Translation Core Centers to support both basic and clinical research on PKD. Core Centers should provide shared institutional and national resources to facilitate basic and clinical research on PKD and improve its effectiveness in translating insights from basic biology to clinical practice.
Amount: $3,750,000
LOI: February 10, 2010
Deadline: March 10, 2010
Key Words: Polycystic Kidney 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

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**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

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**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

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**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

**Key Words**: Polycystic Kidney Disease

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**Lung and Sleep**
Investigator Initiated Multi-Site Clinical Trials (Collaborative R01)

**New**

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


**Key Words:** Clinical Trials

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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


**Key Words:** Investigator Initiated

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Millennium Promise Awards: Non-communicable Chronic Diseases Research Training Program (NCoD) (D43)

PA-08-175

National Institutes of Health

This research training program is designed to build research capacity in low- and middle-income countries (LMICs) in the fields related to cancer, cerebrovascular disease including stroke, lung disease including chronic obstructive pulmonary disease (COPD) and environmental factors including indoor air pollution, and obesity and lifestyle factors related to these conditions as well as genetics of non-communicable diseases. The institutions applying can be domestic or foreign, but have to exhibit the ability to do such training, and must exhibit that they have existing research programs in these fields.

**Amount:** $1,100,000

**LOI:** August 31, 2010

**Deadline:** September 28, 2010

To learn more: [http://grants.nih.gov/grants/guide/pa-files/PA-08-175.html](http://grants.nih.gov/grants/guide/pa-files/PA-08-175.html)

**Key Words:** Chronic Disease, Long-Term Disease, Training

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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


**Key Words:** Smoking, AIDS/HIV
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
Key Words: Sleep, Physical Activity, Cardiovascular Disease

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 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
Key Words: Heart, Lung, Blood and Sleep Disorders

Notice of Intent to Publish a Request for Applications for Research Dissemination and Implementation (R18) Grants
NOT-HL-11-102
National Heart, Lung, and Blood Institute (NHLBI)
The National Heart, Lung, and Blood Institute (NHLBI) intends to issue a Program Announcement (PA) to support studies to develop innovative dissemination and implementation approaches to translating efficacious treatments to heart, lung, and blood diseases and sleep disorders to the clinic, community, and other real-world settings, including testing sustainability, feasibility and cost-effectiveness of these approaches.

Amount: 
LOI: 
Deadline: Expected receipt dates May 2010
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:** April 25, 2010; August 25, 2010; April 25, 2011; August 25, 2011; April 26, 2012; August 25, 2012  
**Deadline:** May 25, 2010; September 25, 2010; May 25, 2011; September 25, 2011; May 26, 2012; September 25, 2012  
Key Words: Sleep Disorders, Lung Diseases

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  
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  
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/NH-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

Scientific Council of Advisors

New

Susan G. Komen for the Cure

Susan G. Komen for the Cure is establishing a new Council of Advisors of fifty experts from a variety of medical and scientific backgrounds to broaden the organization's investment in research, community programs, scientific peer review, and public policy. As distinguished scholars, full council members will be awarded a $250,000 Komen research grant while associate council members will receive a $175,000 Komen research grant annually for the duration of their two-year term. Grants must be used to study critical questions in breast cancer and will require an annual project description and annual progress and financial reports.

Amount: up to $250,000  
LOI: N/R  
Deadline: March 1, 2010  
To learn more: http://ww5.komen.org/ResearchGrants/ScientificAdvisoryCouncil.html  
Key Words: Laboratory Research, Clinical Research, Radiation Oncology, Surgery, Pathology, Prevention Research, Epidemiology, Behavioral Sciences, Health Services, Bioinformatics, International Health, Statistics

Ovarian Cancer Research Program Pilot Award

New

W81XWH-10-OCRP-PA  
Department of Defense Congressionally Directed Medical Research Programs

The OCRP Pilot Award supports conceptually innovative, high-risk/high-reward research that could ultimately lead to critical discoveries or major advancements that will drive the field of ovarian cancer forward. Research priorities should include a testable hypothesis based on strong scientific rationale. Successful projects should provide a catalyst to expand or modify current thinking and/or approaches in ovarian cancer research. Preliminary data are not required, but are allowed. The strength of the proposal should be based on sound scientific rationale and logical reasoning. Clinical trials will not be supported by this award mechanism.

NEW for FY10 OCRP is a revised definition of innovation. Innovation is a significant feature of the Pilot Award. Innovative ideas are those that, if proven correct, will provide totally new paradigms, technologies, molecules, or applications and that, when applied in the future, will reduce the burden of ovarian cancer.

Amount: $200,000  
LOI: March 11, 2010  
Deadline: April 2010  
To learn more: http://www07.grants.gov/search/synopsis.do;jsessionid=h2hlL1GZVL6gLW7TJdzzrLHp1Gmm6h3f93HTjsCTFp615lyYk!3687867711  
Key Words: Ovarian Cancer

Prostate Cancer Research Program Impact Award

New

W81XWH-10-PCRP-IA  
Department of Defense (DOD) Congressionally Directed Medical Research Programs

This award will support research projects specifically focused on making a major impact on one critical issue in prostate cancer: Reducing or eliminating the over-treatment of primary prostate cancer. Projects funded by this award will, if successful, ultimately change the standard of practice for decision-making in the treatment of primary prostate cancer. Studies conducted under the Impact Award may involve the development of surveillance mechanisms, including improvements in current clinical and diagnostic tools to monitor prostate cancer patients. Proposed projects may include basic, translational, or clinical research, including clinical trials, provided the overall project is hypothesis-based and focused on the problem of prostate cancer over-treatment. Applications for the PCRP Impact Award should also address at least one of the following FY10 PCRP focus areas:

Biomarkers  
Genetics  
Imaging
Survivorship
Therapy
Tumor Biology
Amount: $750,000
LOI: March 17, 2010
Deadline: April 19, 2010
To learn more: http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=51479
Key Words: Prostate Cancer, Active Surveillance, Biomarkers, Genetic Analysis, Improved Staging/Grading, Cancer Care Outcomes, Optimal Measures for Decision Making, Optimal Measures for Follow-up, Assessment and Progression

Prostate Cancer Exploration-Hypothesis Development Award

New
W81XWH-10-PCRP-EHDA
Department of Defense (DOD)
Congressionally Directed Medical Research Programs
The Exploration – Hypothesis Development Award supports the exploration of highly innovative, untested, high-risk/high-gain concepts, theories, paradigms, and/or methods that address an important problem in prostate cancer. Results of studies conducted through this award may provide the scientific rationale upon which a new hypothesis can be based, or initial proof-of-principle of an innovative hypothesis. This award is designed to provide investigators the opportunity to pursue serendipitous observations that may reveal entirely new avenues for investigation. Applications for the PCRP Exploration – Hypothesis Development Award should also address at least one of the following FY10 PCRP focus areas:
Biomarkers
Genetics
Imaging
Survivorship
Therapy
Tumor Biology
Amount: $75,000
LOI: March 10, 2010
Deadline: March 31, 2010
To learn more: http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=51477
Key Words: Prostate Cancer, Biomarkers, Systemic Disease, Microenvironment and Tumor Development

Breast Cancer Transformative Vision Award

New
W81XWH-10-BCRP-TVA
Department of Defense (DOD)
Congressionally Directed Medical Research Programs
Vision for dramatically affecting the prevention or treatment of breast cancer, and a plan to test and achieve the vision as quickly as possible. The critical components of this award mechanism are: Vision: The most important aspect of the Transformative Vision Award is the articulation of the vision for a new approach to significantly impact the prevention or treatment of breast cancer. The final impact may be near-term or long-term, but the success of the vision must be transformative on breast cancer. A careful presentation of the state-of-the-art, and how the vision will transform this state, must be described. Implementation: The vision must be supported by a detailed plan that identifies critical milestones and clearly outlines the innovations and technical solutions that will be implemented to accomplish the milestones. It is expected that the proposed plan will present an exceptional level of innovation and creativity, and that the Principal Investigator (PI) will assemble the team necessary to realize the vision.
Amount: $12,000,000
LOI: March 18, 2010
Deadline: April 2010
To learn more: http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=51454
Key Words: Breast Cancer

DoD Breast Cancer Multi-Team Award

New
W81XWH-10-BCRP-MTA
Department of Defense (DOD)
Congressionally Directed Medical Research Programs
The BCRP Multi-Team Award supports the creation of a collaborative research project among three teams, each led by a Principal Investigator (PI) with a history of creativity and innovation, to focus on a critical area of breast cancer. The Multi-Team Award should
create an environment that fosters and supports innovation and creativity, with consistent, intensive interaction across teams in a way that engages all members of the teams in all aspects of the research project. The multi-team approach is expected to transform the research process through the integration of basic and clinical disciplines, substantive cross-disciplinary training among the scientists on the teams, and integral participation of consumer advocates.

**Amount:** $4,500,000  
**LOI:** March 18, 2010  
**Deadline:** April 2010  
**To learn more:** [http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=51452](http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=51452)  
**Key Words:** Breast Cancer

**DoD Breast Cancer Idea Award**  
**New**  
W81XWH-10-BCRP-IDEA  
Department of Defense (DOD)  
Congressionally Directed Medical Research Programs  
The Idea Award is designed to promote new ideas that are still in the early stages of development and have the potential to yield highly impactful data and new avenues of investigation. This mechanism supports conceptually innovative, high-risk/high-reward research that could ultimately lead to critical discoveries or major advancements that will accelerate the eradication of breast cancer. Research projects should include a well-formulated, testable hypothesis based on strong scientific rationale. The BCRP seeks applications from all areas of basic, translational, clinical, behavioral, and epidemiological research. Presentation of preliminary data is not consistent with the intent of the Idea Award mechanism. While the inclusion of preliminary data is not prohibited, the strength of the application should not rely on preliminary data. Innovation and Impact are the most important aspects of the Idea Award.

**Amount:** $375,000-$750,000  
**LOI:** April 21, 2010  
**Deadline:** May 5, 2010  
**To learn more:** [http://www.grants.gov/search/announce.do;jsessionid=2r1LL09JTncbtqvLmdcbv1T894r2i4RYrrsXPL3PMxh8mr5jkpnnl-24367443](http://www.grants.gov/search/announce.do;jsessionid=2r1LL09JTncbtqvLmdcbv1T894r2i4RYrrsXPL3PMxh8mr5jkpnnl-24367443)  
**Key Words:** Breast Cancer

**NICHD’s Institutional Predoctoral and Postdoctoral Training Program in Reproductive, Obstetric, Perinatal and Pediatric Epidemiology and Pharmacoepidemiology (T32)**  
**PAR-08-271**  
The 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 grant applications from institutions/organizations for the NICHD Institutional 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. The primary objective is to prepare qualified individuals for careers in pharmacoepidemiology and epidemiology that have a significant impact on the health-related research needs of the Nation.

**Amount:** $2,000,000  
**LOI:** April 25, 2010 and 2011  
**Deadline:** May 25, 2010, and May 25, 2011  
**Key Words:** Reproductive, Obstetric, Perinatal and Pediatric Epidemiology and Pharmacoepidemiology

**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 Arthritis  
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  

**Key Words:** Myalgic Encephalomyelitis, Chronic Fatigue Syndrome, CFS

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**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  

**Key Words:**

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**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  

**Key Words:** Biomedical Research (Multidisciplinary), Nutrition Education, Nutrition or Dietetics

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**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.
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.

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.

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.

Key Words: Pregnancy, Pregnancy Prevention, Unintended Pregnancy

Key Words: Fetal Maternal Health, Substance Abuse

Key Words: Aging, Fatigability, Bioenergetics

Key Words: Drug Abuse, Drug Prevention, Drug Use
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]

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
Key Words: Post-Partum Depression

Miscellaneous

Department of Defense STTR 10.A Solicitation
New
STTR 2010.A
DOD
The DoD STTR 2010.A solicitation has been pre-released at http://wwdodsbir.net/solicitation. It invites small businesses and research institutions to jointly propose cooperative research and development efforts in response to topics in this solicitation. During the pre-release period, which ends on February 22, 2010, you may contact the topic authors directly (contact information is listed with the topic) to ask technical questions about specific solicitation topics. The DoD will begin accepting proposals on February 23, 2010 and will close to proposals on March 24, 2010 at 6:00 a.m. ET. Plan ahead and submit your proposal early to avoid the risk of Web site inaccessibility due to heavy usage on the final day.

Amount: unspecified
LOI: N/R
Deadline: March 24, 2010
To learn more: http://wwdodsbir.net/solicitation
Key Words: STTR/SBIR

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](http://www.onr.navy.mil/02/baa/docs/10-001.pdf)
Key Words: Federal Funding, ONR

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**NIDA Core "Center of excellence" Grant Program (P30)**

PAR-08-073

NIH, NIDA

This FOA uses the Core Center of Excellence Grant (P30) mechanism. 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 P30 Center may support pilot research in any area of NIDA's mission. Research may occur in any area of NIDA's mission. Each separate core should bear an essential relationship to the integrating theme. The P30 Center of Excellence is expected to support the education, training, and mentoring of new investigators, who should be given meaningful roles to play in the Center projects. NIDA Centers are expected to share their findings, their data and their resources.

Amount: unspecified
LOI: January 26, 2009, 2010
Deadline: February 26, 2010

Key Words:

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**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

Key Words:

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**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

Key Words: International Collaboration
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
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
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
Key Words: Investigator Initiated

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  
**Key Words:** Bioengineering, Technology

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**IACUC 101 and 201 PLUS Workshops: February 24-25, 2010 in Lafayette, LA**  
**NOT-OD-10-044**  
**National Institutes of Health (NIH)**  
**Program descriptions**  
IACUC 101 – “The Basics” – is a full day didactic and interactive educational program designed to provide Institutional Animal Care and Use Committee (IACUC) members, administrators, veterinarians, animal care staff, researchers, regulatory personnel and compliance officers with information on the role and responsibilities of IACUCs, including an understanding of federal policies and regulations governing laboratory animal welfare.  
IACUC 201 PLUS – “The Process PLUS Select Topics” – is a highly interactive program that takes the fundamentals of IACUC 101 and applies them to the process and mechanisms of ensuring compliance. The morning and afternoon sessions are divided into 3 tracks based on an individual’s IACUC role, responsibility, and interests. Track topics are customized to include subjects of timely interest. The program concludes with open questions and answers to representatives of OLAW, USDA, and AAALAC.  

**Amount:**  
**LOI:** N/R  
**Deadline:** February 24, 2010  
**Key Words:** IACUC, Compliance

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**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  
**To learn more:** [http://grants.nih.gov/grants/guide/notice-files/PAR-10-077.html](http://grants.nih.gov/grants/guide/notice-files/PAR-10-077.html)  
**Key Words:** Shared Equipment, Resource Cores, Communication Disorders

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**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**  

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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 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

Genetic Screens to Enhance Zebrafish Research (R01) [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


**Key Words:** Multi-disciplinary centers, COBRE

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**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/](http://www.mathersfoundation.org/)

**Key Words:**

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**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&opplId=50496](http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&opplId=50496)

**Key Words:** Environmental Research

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**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](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

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**AHRQ Small Research Grant Program (R03)**

PAR-06-448

Agency for Healthcare Research and Quality (AHRQ)

This funding opportunity announcement (FOA) issued by AHRQ supports Small Research Grant (R03) applications. 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

Musculoskeletal Diseases

Centers of Research Translation (P50)

New

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 (NIAMS), invites applications for Centers of Research Translation (CORT) (P50). It is expected that a CORT will have a disease-targeted translational theme with individual projects providing synergy for the theme, directed at elucidating the relevance of basic research to human disease in an area within the NIAMS mission. Two major features of the CORT program include: 1) the overarching aim of disease-specific research translation, and 2) the inclusion of resources and an administrative structure to facilitate research translation.

Amount: $5,000,000
LOI: May 10, 2010; May 10, 2011
Deadline: June 10, 2010; June 10, 2011


Year 2010 Department of Defense Peer Reviewed Medical Research Program

New

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
FY10 Bone Marrow Failure Research Program (BMFRP)

**New**

W81XWH-10-BMFRP-EHDA  
W81XWH-10-BMFRP-NIA  
Department of Defense (DOD)

Congressionally Directed Medical Research Programs (CDMRP)

The objectives of the BMFRP are to fund scientifically meritorious research focused on BMF syndromes and their long-term sequelae. Studies that primarily focus on myeloproliferative neoplasms, leukemia, or other malignancies are discouraged. However, studies investigating BMF syndromes and their progression to other malignancies such as leukemia are acceptable. Proposals involving therapeutics, including but not limited to bone marrow transplantation, are strongly encouraged to address issues unique to BMF syndromes.

**Amount:** up to $400,000

**LOI:** March 11, 2010 for Investigator-Initiated Research Award  
April 22, 2010 for Clinical Trial Award, Technology/Therapeutic Development Award  
Deadline: April 8, 2010 for Concept Award

**May 5, 2010 for Investigator-Initiated Research Award**  
**August 5, 2010 for Investigator-Initiated Research Award**

To learn more: [http://cdmrp.army.mil/funding/prmrp.htm](http://cdmrp.army.mil/funding/prmrp.htm)

**Key Words:** Clinical Trials, Concept, Investigator-Initiated, Therapy

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**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


**Key Words:** Physiology, Structural Systems, Integrated Physiology

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**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

Announcement of NIAMS Revised Procedure for Acceptance of Applications Requesting $500,000 or More Direct Costs in any Grant Year
NOT-AR-10-025
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)
Previously, the NIAMS accepted such large budget applications during two of the three grant cycles each fiscal year. Under this revised policy, the NIAMS will consider acceptance of requests for all three grant cycles. All applicants interested in submitting an application with $500,000 or more in direct costs for any year are encouraged to contact the appropriate NIAMS Program Director well in advance of submitting the application and the formal Request for Acceptance. This policy applies to new, resubmission, renewal, and revision applications (definitions).
Amount:
LOI:
Deadline: Released January 15, 2011
Key Words:

Ancillary Studies to Large Ongoing Clinical Projects (R01) and (R21)
RFA-AR-10-010 and RFA-AR-10-011
National Institute of Arthritis and Musculoskeletal and Skin Diseases
This Funding Opportunity Announcement (FOA) 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:** $1,000,000  
**LOI:** March 1, 2010  
**Deadline:** April 1, 2010  

**Key Words:** Tissue Banks, Disease Registry

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**Peer Reviewed Orthopaedic Research Program (PRROP) Clinical Consortium Award**

W81XWH-09-PRORP-CCA  
Department of Defense (DOD)

The intent of the award is to fund clinical studies focused on improving the outcomes of severe musculoskeletal injuries commonly associated with military combat. The main objective of this Consortium Award is to address questions that need to be answered through large multi-site clinical trials with appropriate statistical power. The award is designed to combine the population of military orthopaedic trauma patients and the combat-relevant expertise of PRROP-specified military treatment facilities with the patient populations and research expertise of highly qualified civilian orthopaedic trauma departments at outstanding institutions. Clinical outcomes will require longitudinal evaluations of definitive care which should include surgical reconstruction, clinical rehabilitation, and return to optimal function. The expected end results are an established infrastructure for continuing clinical studies on combat-relevant musculoskeletal injuries, and products (information, guidelines, validated techniques, or devices) that result in changes to, or validation of, current clinical practice that lead to better outcomes for our injured warriors.

**Amount:** $30,000,000  
**LOI:** December 23, 2009  
**Deadline:** January 11, 2010  
**To learn more:** [http://cdmrp.army.mil/funding/prorp.htm](http://cdmrp.army.mil/funding/prorp.htm)

**Key Words:** Wound Healing, Orthopaedic, Trauma

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**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

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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


Key Words:

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Innovation in Molecular Imaging Probes (R01)

PAR-09-016

National Institute of Biomedical Imaging and Engineering

National Institute on Aging
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; April 21, 2010; August 21, 2010; April 20, 2011; August 21, 2011
Deadline: May 21, 2010; 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

Key Words: Mitochondria in Cancer Epidemiology, Detection, Diagnosis and Prognosis

Fiscal Year (FY) 2010 Department of Defense Multidisciplinary Research Program of the University Research Initiative
ONR-BAA-10-002
Department of Defense (Dodd)
The Air Force Office of Scientific Research (AFOSR)
The MURI program supports basic science and/or engineering research at U.S. institutions of higher education (hereafter referred to as "universities") that is of potential interest to Dodd. The program is focused on multidisciplinary research efforts that intersect more than one traditional science and engineering discipline to address issues of critical concern to the Dodd. As defined by the Dodd, “basic research is systematic study directed toward greater knowledge or understanding of the fundamental aspects of phenomena and of observable facts without specific applications towards processes or products in mind. It includes all scientific study and experimentation directed toward increasing fundamental knowledge and understanding in those fields of the physical, engineering, environmental, and life sciences related to long-term national security needs. It is farsighted high payoff research that provides the basis for technological progress.” (www.defenselink.mil/comptroller/fmr/02b/02b_05.pdf). The Dodd's basic research program invests broadly in many specific fields to ensure that it has early cognizance of new scientific knowledge.


Amount: $3,000,000
LOI: N/R
Deadline: March 2, 2010
To learn more: http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppid=49865

Key Words: Biologically-Engineering of Adherent / Spectroscopically Interrogated Microstructures

Advances in Bioscience for Airmen Performance
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=411797f0cc2260cb5d9ed346b3c139a4b&tab=core(&_cview=1&cck=1&au=&ck=)

Key Words: Gene Expression Balance, Protein Expression Patterns, Phenotypic Patterns, Biomarker Signatures, Cognitive Performance

Neurosciences

The Rising Star Research Awards

New
The International Mental Health Research Organization (IMHRO)
Each year IMHRO solicits research proposals from the best and brightest young brain scientists to better understand how to treat one or more of the "Big 3" brain diseases: schizophrenia, depression and bipolar disorder. The awards emphasize innovative strategies and technologies for illuminating basic mechanisms of psychiatric illness and new approaches to individualized treatment and prevention.

Amount: $250,000
LOI: N/R
Deadline: March 15, 2010
To learn more: http://www.imhro.org/the-rising-star-awards/rising-star-info.html
Key Words: Depression, Bipolar Disorder, Schizophrenia

Notice of Availability of Administrative Supplements for R25 Science Education Grants

New
NOT-DA-10-007
National Institutes of Health Blueprint for Neuroscience Research multiple institutes
The National Institutes of Health Blueprint for Neuroscience Research announces an administrative supplement program of $600,000 in Fiscal Years 2010 and 2011 to provide funds to Blueprint Institute-supported research education projects (see Eligibility section below). The purpose of this program is to create and broadly disseminate materials/programs to inform students and teachers in kindergarten-12th grade about the field of neuroscience.

Amount: $75,000
LOI: N/R
Deadline: April 2, 2010
To learn more: http://grants.nih.gov/grants/guide/notice-files/NOT-DA-10-007.html
Key Words: Neuroscience

NINDS Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellows in MD-PhD programs (F31)

New
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

Year 2010 Department of Defense Peer Reviewed Medical Research Program

New
W81XWH-10-PRMRP-CTA
W81XWH-10-PRMRP-CA
W81XWH-10-PRMRP-IIIRA
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: March 11, 2010 for Investigator-Initiated Research Award
March 25, 2010 for Concept Award,
April 22, 2010 for Clinical Trial Award, Technology/Therapeutic Development Award
Deadline: April 8, 2010 for Concept Award
May 13, 2010 for Clinical Trials Award, Technology/Therapeutic Development Award
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

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

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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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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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Amount: unspecific
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 Stroke (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


**Key Words:**

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**Silvio O. Conte Centers for Basic and Translational Mental Health Research (P50)**

PAR-08-194

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


**Key Words:** Mental Health, Neuropsychiatry, Psychiatry

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**Blueprint Program for Enhancing Neuroscience Diversity through Undergraduate Research Education Experiences (R25)**

RFA-MH-10-070

This Funding Opportunity Announcement (FOA) is an initiative of the NIH Blueprint for Neuroscience Research (http://neuroscienceblueprint.nih.gov). The goal of this FOA is to encourage and prepare undergraduate students from diverse backgrounds to enter Ph.D. degree programs in the neurosciences. To accomplish this goal, this initiative will provide institutional awards to develop neuroscience research education programs consisting of collaborative partnerships integrated across different educational institutions. Each collaborative research education partnership must have the following components: a) a research-intensive institution that has an established neuroscience or neuroscience related program, b) institution(s) that have a substantial enrollment of undergraduates from groups underrepresented in the biomedical and behavioral sciences, c) integrated curriculum/academic enhancement and research training activities designed to increase participants preparation to enter doctoral programs in the neurosciences, and d) well-described plans to provide early communication and interaction between participating students and graduate neuroscience programs across the country.

**Amount:** $1,250,000

**LOI:** February 24, 2010

**Deadline:** March 24, 2010


**Key Words:** Neuroscience

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**Understanding and Treating Generalized and Focal Dystonias (R01)**

PA-07-397

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.
**Millennium Promise Awards: Non-communicable Chronic Diseases Research Training Program (NCoD) (D43)**

**PAR-08-175**

National Institutes of Health

This research training program is designed to build research capacity in low- and middle-income countries (LMICs) in the fields related to cancer, cerebrovascular disease including stroke, lung disease including chronic obstructive pulmonary disease (COPD) and environmental factors including indoor air pollution, and obesity and lifestyle factors related to these conditions as well as genetics of non-communicable diseases. The institutions applying can be domestic or foreign, but have to exhibit the ability to do such training, and must exhibit that they have existing research programs in these fields.

**Amount:** $1,100,000

**LOI:** August 31, 2010

**Deadline:** September 28, 2010

**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PAR-08-175.html](http://grants.nih.gov/grants/guide/pa-files/PAR-08-175.html)

**Key Words:** Chronic Disease, Long-Term Disease, Training

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**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


**Key Words:** Neuroimaging

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**Gut-Liver-Brain Interactions in Alcohol-Induced Pathogenesis (R01) and (R21)**

**RFA-AA-10-007 and RFA-AA-10-008**

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

The goal of this Funding Opportunity Announcements (FOA), issued by the National Institute on Alcohol Abuse and Alcoholism (NIAAA), is to stimulate innovative research that will determine (1) how alcohol disrupts gut-liver-brain physiological communications, and (2) how these alterations contribute to the development and exacerbation of alcohol-associated diseases. These investigations are expected to provide a more comprehensive understanding of cellular and molecular mechanisms by which alcohol impairs homeostatic functions at both organ and systemic levels and initiates/promotes tissue injury.

**Amount:** $2,500,000

**LOI:** March 20, 2010

**Deadline:** April 20, 2010


**Key Words:** Alcohol, Alcohol Associated Disease

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**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

**Key Words:** Apolipoprotein, Alzheimer's Disease

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**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
To learn more: [http://grants.nih.gov/grants/guide/pa-files/PAR-08-266.html](http://grants.nih.gov/grants/guide/pa-files/PAR-08-266.html)

**Key Words:** Alzheimer's Disease, Cognitive Function, Cognitive Impairment

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**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

**Key Words:** Nursing, Pain Management, Clinical and Translational

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**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

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

Collaborative Neurological Sciences (CNS) Award (S11)
PAR-07-357
National Institute of Neurological Disorders and Stroke (NINDS)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
This funding opportunity announcement (FOA) solicits investigator-initiated research projects proposed by an applicant and collaborating scientist to conduct neuroscience research in a clearly defined area of mutual scientific interest. The project should consist of a thematic research plan that involves an efficacious collaborative effort among the participating investigators, each of whom will be conducting a portion of the total research project in his/her own laboratory. The applicant investigator must be from an eligible institution (see eligible institutions section). Collaborating institutions must document that the appropriate facilities, resources and research efforts will be committed for the investigators to accomplish the goals of the proposed research program.

Amount: $1,000,000
LOI: 30 days before due date
Deadline: Standard dates apply
To learn more: http://grants1.nih.gov/grants/guide/pa-files/PAR-07-357.html
Key Words: Cooperative Science Programs, Neurology, Neuroscience

Parkinson’s Disease Data Organizing Center [PD-DOC] (U24)
RFA-NS-11-001
National Institute of Neurological Disorders and Stroke (NINDS)
National Institute of Environmental Health Sciences (NIEHS)
This FOA issued by the National Institute of Neurological Disorders and Stroke (NINDS) and the National Institute of Environmental Health Sciences (NIEHS), National Institutes of Health, solicits cooperative agreement grant applications from institutions/organizations that propose to develop a redesigned and enhanced Parkinson's Disease Data Organizing Center. NINDS and NIEHS are committed to facilitating the collection and sharing of data related to clinical and translational research in Parkinson's disease. The goal of this program is a resource that will serve the Parkinson's disease (PD) research community by developing an ongoing repository for data from clinical trials and clinical studies, including epidemiologic and genetic studies, related to PD, and sharing of these data to enhance research. These data may include clinical as well as associated imaging, genetic, and neuropathology data elements. In addition, the Center will link clinical data with associated genetic, biospecimen, imaging, and neuropathology data as available in other databases. The Parkinson's Disease Data Organizing Center also will develop a flexible web-based data entry system using standardized common data elements for PD clinical research studies that can be modified by investigators for a variety of clinical research studies. The center will also maintain an up-to-date listing of resources for researchers in the scientific community. Ongoing outreach efforts should be
undertaken to maximize data sharing via this resource in order to optimize research in PD. The information technology employed should serve to optimize the accessibility and usefulness of the information within the data organizing center.

**Amount:** $3,400,000  
**LOI:** March 30, 2010  
**Deadline:** April 30, 2010  
**Key Words:** Parkinson Disease, Data Organizing Center

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**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  
**Key Words:** Neural Prosthetics

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**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](http://grants.nih.gov/grants/guide/pa-files/PAR-08-236.html)  
**Key Words:** Neurological Disorders, Neurology, Neuroscience, Clinical translational

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**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  
**Key Words:** Minorities and Disadvantaged, Neurological Disorders, Neuroscience, Stroke

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**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
Key Words: Neuroscience

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

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

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: April 16, 2010; 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 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 

**Key Words:** Neurological Disorders

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**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 

**Key Words:** Clinical translational, neurology, neurological disorders

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**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 (May 28, 2010; January 28, 2011)  

**Key Words:** Animal Models

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**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
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
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

21st Century Research Awards
James S. McDonnell Foundation

21st Century Research Awards are designed to support research projects with a high probability of generating new knowledge and insights. Projects submitted for funding consideration should be at an early, even preliminary stage of development, and should be intended to break new ground or to revisit commonly-held assumptions. Projects submitted should be sufficiently cross-disciplinary or heterodox to have a strong likelihood of influencing the development of new ways of thinking about important problems. All projects must qualify for one of the 21st Century Science Initiative’s two program areas (see below) awarding 21st Century Initiative Research Awards.

**Studying Complex Systems**

- **Brain Cancer Research**
  - **Amount:** $450,000
  - **LOI:** N/R
  - **Deadline:** March 17, 2010
  - **To learn more:** [http://www.jsmf.org/apply/research/index.htm](http://www.jsmf.org/apply/research/index.htm)
  - **Key Words:** Brain Cancer, Complex Systems Analysis

**Young Investigators’ Grants and Program Grants**

- **Human Frontier Science Program**
  - Research grants are provided for teams of scientists from different countries who wish to combine their expertise in innovative approaches to questions that could not be answered by individual laboratories.
  - Emphasis is placed on novel collaborations that bring together scientists preferably from different disciplines (e.g. from chemistry, physics, computer science, engineering) to focus on problems in the life sciences.
  - The research teams must be international. The principal applicant must be from one of the eligible countries. However, other participating scientists and laboratories may be situated anywhere in the world.
  - **Amount:** $1,350,000
  - **LOI:** March 22, 2010
  - **Deadline:** March 31, 2010
  - **To learn more:** [http://www.hfsp.org/how/appl_forms_RG.php](http://www.hfsp.org/how/appl_forms_RG.php)
  - **Key Words:** Molecular and Cellular, Systems Biology, Cognitive Neuroscience

**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 (NIDA)

  - 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)
  - **Key Words:**

**Basic and Applied Scientific Research**

- **W911NF-07-R-0003-02**
- **ARMY RESEARCH OFFICE**

  - 8.4 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, neuropsychological and/or cortical/cognitive mechanisms underlying successful completion of complex task behaviors applicable to non-laboratory 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 psycho physiological 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.

**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](http://www.afsafund.org/grant.htm)

**Key Words:** Cognition, Integrative Neurobiology, Gene Expression Balance, Protein Expression Patterns, Phenotypic Patterns, Biomarker Signatures, Cognitive Performance

**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=411797f0c2260cb5d9ed346b3c139a4b&tab=core&cview=1&cck=1&au=&ck=](https://www.fbo.gov/index?s=opportunity&mode=form&id=411797f0c2260cb5d9ed346b3c139a4b&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**

**Scientific Meetings for Creating Interdisciplinary Research Teams (R13)**

**New**

PA-10-106

National Institutes of Health (NIH)

Multiple Institutes

This FOA solicits Research Project Grant (R01) applications that will improve understanding of the basic mechanisms of behavior change by bridging work in the laboratory and the field. This understanding will advance several goals, including: the identification of
Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellowships to Promote Diversity in Health-Related Research (Parent F31 - Diversity)

New
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
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

Science of Behavior Change: Finding Mechanisms of Change in the Laboratory and the Field (R01)

New
RFA-RM-10-002
National Institutes of Health (NIH)
Multiple Institutes
This FOA solicits Research Project Grant (R01) applications that will improve understanding of the basic mechanisms of behavior change by bridging work in the laboratory and the field. This understanding will advance several goals, including: the identification of the optimal targets and timepoints in the lifecourse for intervention; the identification of common mechanisms of change related to either multiple or bundled health behaviors; the ability to tailor interventions to particular at-risk individuals or groups; the application of novel technologies for behavioral assessment and change; and the identification of individuals or groups most likely to benefit from specific interventions. This initiative seeks to establish the groundwork for a unified science of behavior change, capitalizing on emerging basic science to accelerate investigation of common mechanisms that play a role in initiating or maintaining behavior change and are applicable across a broad range of health-related behaviors. Approaches from behavioral economics; the social, behavioral, cognitive and affective neurosciences; neuroeconomics; behavior genetics and genomics; and systems science are specifically encouraged. By focusing basic research on the mechanisms of behavior change, and by integrating work across laboratory and field contexts, this initiative should transform the efficacy, effectiveness, and cost efficiency of behavior change interventions.

Amount: $2,000,000
LOI: March 29, 2010
Deadline: April 26, 2010
Key Words: Behavioral Interventions

Ruth L. Kirschstein National Research Service Awards (NRSA) for Individual Postdoctoral Fellows (Parent F32)
Individual Senior Fellows (Parent F33)

New
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

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

Technology-Based Adherence Interventions for Substance Abusing Populations with HIV (R01) and (R34)
New
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

Key Words: Treatment Regimens, HIV/AIDS

Chronic Co-Morbid Conditions in HIV+ U.S. Adults on Highly-Effective Anti-Retroviral Therapy (R01) and (R21)
New
RFA-NR-10-001 and RFA-NR-10-002
National Institute of Nursing Research (NINR)
This FOA issued by National Institute of Nursing Research, National Institutes of Health, solicits Research Project Grant (R01) applications from institutions/organizations proposing mechanistic projects or interventions designed to understand or intervene in chronic co-morbid conditions common to HIV+ adults living in the U.S. who are treated with anti-retroviral therapy. These conditions may be a result of anti-retroviral therapy or the HIV disease process. These same kinds of conditions may also be common in older non-infected adults, but more information is needed on the natural history, including both biological and behavioral manifestations, and appropriate intervention when HIV+ adults are affected by conditions, such as cachexia, diabetes, kidney disease, neurological changes, cardiovascular disease or cancer. Since the advent of the protease inhibitors in 1996-1997, anti-retroviral treatment options have been evolving, including the customized combination ART. It is important to evaluate this progress and identify new opportunities for research associated with the use of anti-retroviral therapies and the association of co-morbidities of HIV+ individuals as they live through middle and old age. Research exploring these issues utilizing interdisciplinary and multidisciplinary research teams is strongly encouraged, as are research teams including underrepresented, minority, disabled, or women investigators.

Amount: $2,500,000
LOI: April 5, 2010
Deadline: May 5, 2010

Key Words: Retroviral Therapy, HIV/AIDS

The Clagett Family Research Grant
New
Foundation for Physical Therapy
The Clagett Family Research Grant is intended to fund research on interventions that use exercise to improve mobility and participation in older adults with multiple chronic conditions. The foundation encourages collaborative and multidisciplinary teams to apply for a grant.

**Amount:** $300,000  
**LOI:** March 1, 2010  
**Deadline:** May 5, 2010  
**To learn more:** [http://www.apta.org/AM/Template.cfm?Section=Awards_and_Scholarships&TEMPLATE=/CM/ContentDisplay.cfm&CONTENTID=67897](http://www.apta.org/AM/Template.cfm?Section=Awards_and_Scholarships&TEMPLATE=/CM/ContentDisplay.cfm&CONTENTID=67897)  
**Key Words:** Exercise, Mobility, Physical Therapy, Aging

### Remote Patient Monitoring Diffusion Grants Program

**New**  
Center for Technology and Aging  
The center has announced the release of application guidelines for the Remote Patient Monitoring Diffusion Grants Program and is soliciting Letters of Intent from organizations interested in expanding the use of remote patient monitoring technologies to improve the health and safety of older adults.  
The grant program will encourage use of technologies that 1) are used in the home and sub-acute care settings; 2) foster independent living and the ability to live in the setting of the patient's choice; 3) will lead to improvements in the cost and quality of care; and 4) help reduce the burden on formal and informal caregivers.

**Amount:** $100,000  
**LOI:** March 12, 2010  
**Deadline:** April 30, 2010  
**To learn more:** [http://www.techandaging.org/](http://www.techandaging.org/)  
**Key Words:** Remote Patient Monitoring, Independent Living, Aging

### Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) - 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  
**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, Envir

### Contextual Approaches to Prevention of Unintended Pregnancy [(R01) PA-09-014] and [(R21) 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
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
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
Key Words: Aging, Pain Management

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
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
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
Ruth L. Kirschstein National Research Service Award (NRSA) for Individual Predoctoral Fellows in Nursing Research (F31)

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.

NINR Career Transition Award (K22)

The NINR Career Transition K22 Award will 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) [http://www.ninr.nih.gov/].

Health Disparities in NIDDK Diseases (R01)

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.

Development and Validation of Disease Biomarkers (R01)

This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) encourages applications from institutions/organizations that propose to increase the number of nurses prepared with a doctoral degree. The 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.
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

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: April 20, 2010; 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:
ARRA OS: Recovery Act 2009: Accelerating Adoption of Comparative Effectiveness Research Results by Providers and Patients (R18)
RFA-AE-10-001
Department of Health and Human Services (DHHS)
This ASPE FOA, supported by funds provided to ASPE under the American Recovery and Reinvestment Act of 2009 ("Recovery Act" or "ARRA"), Public Law 111-5, invites grant applications from organizations that propose to develop and test interventions to improve the translation and adoption of existing comparative effectiveness research (CER) information and incorporate these findings into practice in both the public and private sectors. Doing so effectively would demonstrate a return on the CER investment, and, more importantly, improve the health of patients. Funds will be used to support organizations that 1) develop and implement evidence-informed and innovative CER-based adoption interventions targeting patients and/or providers; 2) develop proposals that test the implementation of CER-based adoption strategies within and across organizations and delivery systems and analyze any behavior change (in patients and/or providers) associated with the intervention. CER-based entails the applicant describing and justifying the existing comparative evidence that is the focus of the adoption intervention. Organizations applying for these funds will need to utilize existing or create new measurement systems to track adoption or adherence rates (thus measuring clinician and patient behavior changes) associated with the adoption of CER and measurement of health outcomes if possible. Applicants should also seek to understand the underlying factors associated with adoption.
Amount: $3,000,000
LOI: N/R
Deadline: March 11, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-AE-10-001.html
Key Words: Comparative Effectiveness Research

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

ARRA OS: Recovery Act 2009 Limited Competition: Scalable Distributed Research Networks for Comparative Effectiveness Research (R01)
RFA-HS-10-015
Agency for Healthcare Research and Quality (AHRQ), Center for Outcomes and Evidence (COE)
The goal of this FOA is to enhance the capability and capacity of electronic health networks designed for distributed research to conduct prospective, comparative effectiveness research on outcomes of clinical interventions. The clinical interventions include, but are not limited to, diagnostics, therapeutics (drugs and biologics), medical devices, behavioral interventions, and surgical procedures used in clinical care.
Amount: $8,310,000
LOI: N/R
Deadline: March 10, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-HS-10-015.html
Key Words: Comparative Effectiveness Research

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 predominantly 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:** March 26, 2010  
**Key Words:** Health Care Training, Simulators

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**Special Emphasis Notice (SEN): AHRQ Announces Interest in Career Development (K01, K02, K08) Grants focused on Health Care Associated Infections in Ambulatory Care Settings**

NOR-HS-10-009  
Agency for Healthcare Research and Quality (AHRQ)  
In Fiscal Year 2010, AHRQ intends to support individual mentored and independent career-development grants (i.e., K01, K02, K08 grants) to doctorally-prepared clinicians and scientists interested in pursuing research careers related to the prevention and more effective management of health care associated infections (HAIs). The objective of individual career development grants is to provide support and “protected time” for an intensive, mentored or independent research career development experience. Details on the scope, eligibility, deadlines, and application procedures for these grants can be found at one of the following sites:  
http://www.ahrq.gov/fund/training/trainix.htm#indlg, or  
http://www.ahrq.gov/fund/.  
**Amount:**  
**LOI:**  
**Deadline:** Release Date January 15, 2010  
**Key Words:** Health Care Associated Infections

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**AHRQ Small Research Grant Program (R03)**

PAR-06-448  
Agency for Healthcare Research and Quality (AHRQ)  
This funding opportunity announcement (FOA) issued by AHRQ supports Small Research Grant (R03) applications. 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  
**Key Words:** Health Care Services, Health Care Information, Health Care Practice & Policy, Patient Safety, Patient-Centered Care, Payment & Organization

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**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  
**Key Words:**
Active Living Research and RWJF New Connections

New

Robert Wood Johnson Foundation (RWJF)

Active Living Research is a national program of the Robert Wood Johnson Foundation (RWJF). The program supports research to inform policy and environmental strategies for increasing physical activity among children and adolescents, decreasing their sedentary behaviors and preventing obesity. We place special emphasis on strategies with the potential to reach children and youths ages 3 to 18 who are at highest risk for obesity: African-American, Latino, American Indian, Alaska Native, Asian-American and Pacific Islander children, as well as children who live in under-resourced and lower-income communities. Grants funded under this call for proposals (CFP) are expected to advance RWJF’s efforts to reverse the childhood obesity epidemic by 2015.

This CFP consists of grant opportunities for specified research topics and dissertation awards. It also includes funding opportunities for New Connections grants made available through the Active Living Research program. New Connections grants through Active Living Research are for new investigators who have been historically disadvantaged or underrepresented in research activities. This includes ethnic or racial researchers who are historically underrepresented, first-generation college graduates, and individuals from lower-income communities.

Amount: varies
LOI: N/R
Deadline: April 14, 2010
To learn more: http://www.rwjf.org/applications/solicited/cfp.jsp?ID=21041
Key Words: Obesity

Nutrition Obesity Research Centers (P30)

New

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

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
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


**Key Words:**

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**Enhancing Tumoricidal Activity of Natural Killer (NK) Cells by Dietary Components for Cancer Prevention (R01) [PA-08-131] and (R21) [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


**Key Words:**

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**The Role of Gastrointestinal Surgical Procedures in Amelioration of Obesity-Related Insulin, Resistance and Diabetes Independent of Weight Loss (R01)**

**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](http://grants.nih.gov/grants/guide/pa-files/PA-08-014.html)

**Key Words:**

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**Bioenergetics, Fatigability, and Activity Limitations in Aging (R01) and (R21) and (R03)**

**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.
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: varies
LOI: N/R
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


**Key Words:** Obesity, Diabetes

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**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 (NIDDK)

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:** February 10, 2010; October 13, 2010

**Deadline:** March 10, 2010; November 10, 2010


**Key Words:** BAT, Metabolic Activity, Brown Adipose Tissue

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**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


**Key Words:** Diabetes, Endocrinology, Digestive Diseases, Training Grants

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**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


**Key Words:** Liver Disease, Nutritional Disorders

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**Diet Composition and Energy Balance (R01)**
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
Key Words: Obesity, Weight Loss, Diet

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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
Key Words: Sleep, Physical Activity, Cardiovascular Disease

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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
Key Words:

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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  
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  
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), 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 susceptibility 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  
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)
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: May 5, 2010; January 5, 2011; September 5, 2011; May 5, 2012
Deadline: June 5, 2010; February 5, 2011; October 5, 2011; June 5, 2012
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
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 and Health Promotion, 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
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
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
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
Key Words: Dentistry, Database, Statistical Analysis

Metagenonomic Evaluation of Oral Polymicrobial Disease (R01)
RFA-DE-10-003
National Institute of Dental and Craniofacial Research (NIDCR)
This Funding Opportunity Announcement (FOA) issued by The National Institute of Dental and Craniofacial Research (NIDCR), National Institutes of Health (NIH), solicits Research Project Grant (R01) applications from institutions/organizations that propose to utilize current metagenomic analytical technologies to study the role of polymicrobial communities, those specifically composed of archaea, bacteria, and fungi, in the initiation and progression of oral microbial diseases.
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: Oral Polymicrobial Disease

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: Craniofacial, Dental Conditions

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.
**NIDCR Individual NRSA Predoctoral Dental Scientist Fellowship (F30)**

**PAR-08-119**

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


Key Words: Dentistry, Dental Training, Dental Fellowships

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**Patient Oriented Research**

**Centers of Research Translation (P50)**

**New**

**RFA-AR-11-002**

This Funding Opportunity Announcement (FOA), issued by the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), invites applications for Centers of Research Translation (CORT) (P50). It is expected that a CORT will have a disease-targeted translational theme with individual projects providing synergy for the theme, directed at elucidating the relevance of basic research to human disease in an area within the NIAMS mission. Two major features of the CORT program include: 1) the overarching aim of disease-specific research translation, and 2) the inclusion of resources and an administrative structure to facilitate research translation.

Amount: $5,000,000

LOI: May 10, 2010; May 10, 2011

Deadline: June 10, 2010; June 10, 2011


Key Words: Clinical, Translational Research, Human Subject, Lupus, Scleroderma, SLE, Osteoarthritis, Psoriasis, Molecular Signal Pathways, Orthopedic Trauma Care

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**Institutional Clinical and Translational Science Award (U54)**

**New**

**RFA-RM-10-001**

The Clinical and Translational Science Award (CTSA), issued by the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), invites applications for Centers of Research Translation (CORT) (P50). It is expected that a CORT will have a disease-targeted translational theme with individual projects providing synergy for the theme, directed at elucidating the relevance of basic research to human disease in an area within the NIAMS mission. Two major features of the CORT program include: 1) the overarching aim of disease-specific research translation, and 2) the inclusion of resources and an administrative structure to facilitate research translation.

Amount: $5,000,000

LOI: May 10, 2010; May 10, 2011

Deadline: June 10, 2010; June 10, 2011


Key Words: Clinical, Translational Research, Human Subject, Lupus, Scleroderma, SLE, Osteoarthritis, Psoriasis, Molecular Signal Pathways, Orthopedic Trauma Care

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**Modification of RFA-CA-10-007 to Increase Applicants Flexibility for Proposing the Number of Clinical Trials to be Accomplished in the Funding Period**
New
NOT-CA-10-016
National Cancer Institute (NCI)
The purpose of this Notice is to modify the recently published Request for Applications, RFA-CA-07-009, entitled “Cancer Immunotherapy Trials Network (U01).” to increase applicants’ flexibility for proposing the number of clinical trials to be accomplished in the funding period.
Amount:
LOI:
Deadline:  Release Date: February 1, 2010
To learn more:  http://grants.nih.gov/grants/guide/notice-files/NOT-CA-10-016.html
Key Words:  Cancer, Immunotherapy

The Clagett Family Research Grant
New
Foundation for Physical Therapy
The Clagett Family Research Grant is intended to fund research on interventions that use exercise to improve mobility and participation in older adults with multiple chronic conditions. The foundation encourages collaborative and multidisciplinary teams to apply for a grant.
Amount:  $300,000
LOI:  March 1, 2010
Deadline:  May 5, 2010
To learn more:  http://www.apta.org/AM/Template.cfm?Section=Awards_and_Scholarships&TEMPLATE=/CM/ContentDisplay.cfm&CONTENTID=67897
Key Words:  Exercise, Mobility, Physical Therapy, Aging

Remote Patient Monitoring Diffusion Grants Program
New
Center for Technology and Aging
The center has announced the release of application guidelines for the Remote Patient Monitoring Diffusion Grants Program and is soliciting Letters of Intent from organizations interested in expanding the use of remote patient monitoring technologies to improve the health and safety of older adults.
The grant program will encourage use of technologies that 1) are used in the home and sub-acute care settings; 2) foster independent living and the ability to live in the setting of the patient's choice; 3) will lead to improvements in the cost and quality of care; and 4) help reduce the burden on formal and informal caregivers.
Amount:  $100,000
LOI:  March 12, 2010
Deadline:  April 30, 2010
To learn more:  http://www.techandaging.org/
Key Words:  Remote Patient Monitoring, Independent Living, Aging

Clinical Scholars Program
Robert Wood Johnson Foundation (RWJF)
The Robert Wood Johnson Foundation Clinical Scholars program fosters the development of physicians who will lead the transformation of Americans' health and health care. These future leaders will conduct innovative research and work with communities, organizations, practitioners and policy-makers to address issues essential to the health and well-being of all Americans.
Amount:  $59,500/year
LOI:  N/R
Deadline:  February 26, 2010
To learn more:  http://www.rwjf.org/applications/solicited/cfp.jsp?ID=20912&c=EMC-ADV
Key Words:  Community Based Research Training

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 (hereetofore 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: $400,000
LOI: N/R
Deadline: multiple, see link
To learn more: [link]

Key Words: Ethics, Human Subjects

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: [link]

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: [link]

Key Words: Mental Health, Neuropsychiatry, Psychiatry

Institutional Clinical and Translational Science Award (U54)
RFA-RM-09-019
National Institutes of Health (NIH)
This FOA invites current Clinical and Translational Science Award (CTSA) awardees to propose developments in their environments that will sustain and advance clinical and translational science as a distinct discipline. NIH resources will give institutions flexibility to develop their existing configuration, resources and talent to maximize the safety, efficiency, quality and speed of clinical and translational research. The academic home for clinical and translational science can be a center, department, or institute (C/D/I), and is expected to include faculty who conduct original research, develop graduate and postgraduate training curricula and lead programs that integrate clinical and translational science across multiple departments, schools, research institutes and hospitals.

Amount: varies
LOI: May 3, 2010
Deadline: June 1, 2010
To learn more: [link]

Key Words: CTSA, Clinical and Translational
Proposed FDA Rulemaking on Informed Consent Requirements
NOT-OD-10-046
National Institutes of Health (NIH)
On December 29, 2009, the Food and Drug Administration (FDA) issued a proposed rule on Informed Consent Elements. The proposed rule, if finalized, would amend the FDA informed consent regulations to require that the informed consent documents and processes for applicable drug, biologic, and device clinical investigations include a statement that clinical trial information for such clinical investigations has been or will be submitted to the National Institutes of Health/National Library of Medicine (NIH/NLM) for inclusion in the clinical trial registry database known as www.ClinicalTrials.gov. The proposed rule implements Section 801(b)(3)(A) of the Food and Drug Administration Amendments Act of 2007 (FDAAA). This section of FDAAA requires that FDA update its informed consent regulations to require that informed consent documents and processes the clinical investigations in question include a statement that clinical trial information has been or will be submitted to the clinical trial registry database.
Public comments on the proposed rule must be submitted by March 1, 2010.

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.

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.

Key Words: Informed Consent

Key Words: AIDS
Cancer Biology, Cancer or Carcinogenesis, Molecular Epidemiology

Key Words: Clinical Trials, Drug Abuse Treatment, HIV and Addictions
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 Cannabis-Related Disorders (R01)
RFA-DA-10-016
National Institute on Drug Abuse (NIDA)
The purpose of this Funding Opportunity Announcement (FOA) is to issue a Request for Applications (RFA) to support research studies that focus on the identification, and preclinical and clinical evaluation, of medications that can be safe and effective for the treatment of cannabis-use and -induced disorders, as well as their medical and psychiatric consequences. The studies can be preclinical or FDA-defined Phase I, Phase II or Phase III clinical trials.
Amount: $2,500,000
LOI: March 30, 2010
Deadline: April 30, 2010
Key Words: Marijuana Abuse, Clinical Trials,

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

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:

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
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

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

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
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:  
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:  
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:  
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

Diet Composition and Energy Balance (R01)
PA-07-218
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
Key Words: Obesity, Weight Loss, Diet

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.

**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. Intervenional 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.

**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.

**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; April 21, 2010; August 21, 2010; April 20, 2011; August 21, 2011

**Deadline:** May 21, 2010; September 21, 2010; January 21, 2011; May 20, 2011; September 21, 2011


**Key Words:** Molecular Imaging Probes

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**Ancillary Studies to Large Ongoing Clinical Projects (R01) and (R21)**

RFA-AR-10-010 and RFA-AR-10-011

National Institute of Arthritis and Musculoskeletal and Skin Diseases

This Funding Opportunity Announcement (FOA) 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:** $1,000,000

**LOI:** March 1, 2010

**Deadline:** April 1, 2010


**Key Words:** Tissue Banks, Disease Registry

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**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:** April 25, 2010; August 25, 2010; April 25, 2011; August 25, 2011; April 26, 2012; August 25, 2012

**Deadline:** May 25, 2010; September 25, 2010; May 25, 2011; September 25, 2011; May 26, 2012; September 25, 2012


**Key Words:** Sleep Disorders, Lung Diseases

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**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 Development

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 Ill 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


**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

Translational Tools for Clinical Studies of CAM Interventions (R01)
RFA-AT-10-001
National Center for Complementary and Alternative Medicine (NCCAM)
This Funding Opportunity Announcement (FOA) issued by the National Center for Complementary and Alternative Medicine (NCCAM) of the National Institutes of Health (NIH) encourages investigator(s)-initiated applications that propose to develop, enhance, and validate translational tools to facilitate rigorous study of complementary and alternative medicine (CAM) approaches that are in wide use by the public. This FOA focuses on encouraging the development of improved research methodology to study safety, efficacy, and clinical effectiveness of mind-body interventions (such as meditation), manual therapies, and/or yoga therapy. Investigations of other CAM interventions (including natural products and dietary supplements) are not allowed for this FOA.
Amount:  $1,500,000
LOI:  N/R
Deadline:  March 23, 2010
To learn more:  http://grants.nih.gov/grants/guide/rfa-files/RFA-AT-10-001.html
Key Words:  CAM

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:  April 20, 2010; 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

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.
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
Key Words: Cancer Surveillance, Epidemiology, Cancer, Health Claims

Participation of NCI in RFA-OD-10-001, RFA-OD-10-002, ARRAOS: Recovery Act Limited Competition: Behavioral Economics for Nudging the Implementation of Comparative Effectiveness Research: Clinical Trials (RC4) and Pilot Research (RC4)
NOT-CA-10-012 and NOT-CA-10-013
National Cancer Institute (NCI)
This Notice is to inform applicants that the National Cancer Institute announces its participation, effective immediately.
Amount: varies
LOI: N/R
Deadline: April 7, 2010
Key Words: Comparative Effectiveness 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
Key Words: Pediatric Pharmacology, Obstetric Pharmacology

NIDA Research Education Grants in Drug Abuse and Addiction (R25)
PAR-07-221
Department of Health and Human Services (HHS)
National Institutes of Health (NIH)
National Institute on Drug Abuse (NIDA)
This Funding Opportunity Announcement (FOA) invites applications focused on research education and research curriculum development or program building in the area of drug abuse and addiction research. The focus should be primarily on clinical research,
with preclinical research included to directly inform or provide a mechanistic foundation and for the purposes of supporting translational research training.

**Amount:** $1,750,000

**LOI:** Nonrequired letters of intent are due 30 days prior to the application receipt date.

**Deadline:** standard dates apply (May 25; Sep 25)


**Key Words:** Addictions, Biomedical Research Training, Drug Abuse Treatment, Substance Abuse

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**Peer Reviewed Orthopaedic Research Program (PRORP) Clinical Consortium Award**

**W81XWH-09-PRORP-CCA**

**Department of Defense (DOD)**

The intent of the award is to fund clinical studies focused on improving the outcomes of severe musculoskeletal injuries commonly associated with military combat. The main objective of this Consortium Award is to address questions that need to be answered through large multi-site clinical trials with appropriate statistical power. The award is designed to combine the population of military orthopaedic trauma patients and the combat-relevant expertise of PRORP-specified military treatment facilities with the patient populations and research expertise of highly qualified civilian orthopaedic trauma departments at outstanding institutions. Clinical outcomes will require longitudinal evaluations of definitive care which should include surgical reconstruction, clinical rehabilitation, and return to optimal function. The expected end results are an established infrastructure for continuing clinical studies on combat-relevant musculoskeletal injuries, and products (information, guidelines, validated techniques, or devices) that result in changes to, or validation of, current clinical practice that lead to better outcomes for our injured warriors.

**Amount:** $30,000,000

**LOI:** December 23, 2009

**Deadline:** January 11, 2010

To learn more: [http://cdmrp.army.mil/funding/prorp.htm](http://cdmrp.army.mil/funding/prorp.htm)

**Key Words:** Wound Healing, Orthopaedic, Trauma

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**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/NH-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/](http://www.cff.org/research/ForResearchers/FundingOpportunities/ResearchGrants/)

**Key Words:** Cystic Fibrosis

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**ARRA OS: Recovery Act 2009 Limited Competition: Scalable Distributed Research Networks for Comparative Effectiveness Research (R01)**

**RFA-HS-10-015**

**Agency for Healthcare Research and Quality (AHRQ)**

**Center for Outcomes and Evidence (COE)**

The goal of this FOA is to enhance the capability and capacity of electronic health networks designed for distributed research to conduct prospective, comparative effectiveness research on outcomes of clinical interventions. The clinical interventions include, but are not limited to, diagnostics, therapeutics (drugs and biologics), medical devices, behavioral interventions, and surgical procedures used in clinical care.

**Amount:** $8,310,000

**LOI:** N/R

**Deadline:** March 10, 2010

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:  March 29, 2010, then standard dates apply
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PA-10-089.html
Key Words: Hospital Acquired Infections, HAI

HHS Intent to Publish Grant and Contract Solicitations for Comparative Effectiveness Research (CER) Projects with Funds Allocated to the Office of the Secretary from the American Recovery and Reinvestment Act (ARRA)
NOT-HS-10-008
Agency for Healthcare Research and Quality (AHRQ)
The Department of Health and Human Services (HHS) announces its intention to support new CER projects with funds allocated by the American Recovery and Reinvestment Act (ARRA). The ARRA appropriated $400 million to the Office of the Secretary (OS) for support of CER. AHRQ has been designated point of contact for management of these funds.
Amount:  
LOI:  
Deadline:  Release Date January 11, 2010
To learn more:  http://grants.nih.gov/grants/guide/notice-files/NOT-HS-10-008.html
Key Words: Comparative Effectiveness Research

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

Global Polio Eradication Initiative
New
World Health Organization (WHO)
Center for Disease Control (CDC)
Unicef
Bill and Melinda Gates Foundation
The Polio Research Committee (PRC) identifies unmet research needs, directs research, and assists in identifying investigators and designing studies to answer unanswered research questions in the fight to end polio. The PRC is currently soliciting research proposals with particular focus on the following:
1) Understanding mucosal immunity in India
2) Addressing low vaccine coverage in Nigeria
Amount:  unspecified
Eunice Kennedy Shriver NICHD Maternal Fetal Medicine Units Network (U10)

New

RFA-HD-10-008

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) invites applications from investigators willing to participate with the NICHD under a cooperative agreement in an ongoing multi-center clinical program designed to investigate problems in clinical obstetrics, particularly those related to prevention of low birth weight, prematurity, and medical problems of pregnancy.

Amount: $1,000,000

LOI: May 1, 2010

Deadline: June 1, 2010


Key Words: Neonatal Medicine

Eunice Kennedy Shriver NICHD Cooperative Multicenter Neonatal Research Network (U10)

New

RFA-HD-10-003

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

The FOA issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) invites applications from investigators willing to participate with the NICHD under a cooperative agreement in an ongoing multi-center clinical program designed to investigate problems in neonatal medicine, particularly those related to low birth weight, prematurity, and common neonatal medical problems.

Amount: $1,000,000

LOI: May 1, 2010

Deadline: June 1, 2010


Key Words: Neonatal Medicine

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](http://cdmrp.army.mil)

Key Words: Autism, Autism Spectrum Disorders, ASD

Genetic Susceptibility and Variability of Human Structural Birth Defects (R01)

PA-08-011

NICHD, 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:

Ruth L. Kirschstein National Research Service Awards for (NRSA) Institutional Predoctoral Training Program in Systems Biology of Developmental Biology and Birth Defects
PAR-08-054
NICHD
This Program Announcement (PA) 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: N/R
Deadline: multiple, see link
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-054.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

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
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

Limited Competition for the Continuation of the Pediatric Acute Liver Failure Study Group (U01)
RFA-DK-09-505
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
This Funding Opportunity Announcement (FOA) issued by the NIDDK, National Institutes of Health is to invite a cooperative agreement (U01) application for the competing continuation of the Pediatric Acute Liver Failure Study Group.
Amount: $11,100,000
LOI: February 15, 2010
Deadline: March 15, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-09-505.html
Key Words: Liver Failure, Pediatric, Acute Liver Failure

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

Adolescent Medicine Trials Network for HIV/AIDS Interventions (ATN) [U01]
RFA-HD-10-015
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Institute on Drug Abuse (NIDA)
National Institute of Mental Health (NIMH)
The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institute on Drug Abuse (NIDA), and the National Institute of Mental Health (NIMH) invite applications from investigators willing to participate with NICHD, NIDA, and NIMH under a cooperative agreement to support the Adolescent Medicine Trials Network for HIV/AIDS Interventions (ATN). The
primary mission of the ATN will be to conduct research, both independently and in collaboration with existing research networks and individual investigators, in HIV-infected and HIV-at-risk pre-adolescents, adolescents, and young adults up to age 25 years. This network will have the capacity for developing and conducting selected behavioral, community-based translational, prophylactic, therapeutic, microbicide and vaccine trials. Mechanism of Support.

**Amount:** varies

**LOI:** March 14, 2010

**Deadline:** April 14, 2010


**Key Words:** Community Based Translational Therapy, HIV, Risk Assessment

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**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


**Key Words:** Childhood Obesity, Public Policy

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**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


**Key Words:** Pediatric Pharmacology, Obstetric Pharmacology

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**Mechanisms of Adverse Drug Effects in Children [(R01)PAR-08-248] and [(R03)PAR-08-249]**

**PAR-08-248 and PAR-08-249**

Eunice Kennedy Shriver National Institute of Child Health and Human Development

National Institute on Drug Abuse

This FOA encourages projects that enhance the state-of-the-science on the molecular and cellular, genetic and epigenetic mechanisms involved in the production of adverse drug reactions in children. This FOA will utilize the NIH Research Project Grant (R01 grant) award mechanism and runs in parallel with an FOA of identical scientific scope, PAR-08-249 , that solicits applications under the R03 grant mechanism.

**Amount:** varies

**LOI:** April 23, 2010

**Deadline:** May 20, 2010
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

Developing A Prospective Assessment of the Development, Health, and Condition Progression in Young Children with Spina Bifida (U01)

RFA-DD-10-004

Center for Disease Control

The purpose of this FOA is to refine methods to investigate and to collect baseline information on the development, health, and condition progression in young children who were born with Spina Bifida.

Amount: $600,000
LOI: January 26, 2010
Deadline: February 26, 2010

To learn more: http://www07.grants.gov/search/synopsis.do;jsessionid=gbw1LqrF62d7GgmL459L2pwC2mbNTLfWhrW0QfLQxbMGtx0jNd5nl-1179711943

Key Words: Spina Bifida

Pharmacy and Pharmacology Research

Medications Development for Substance Related Disorders (R01)

New

RFA-DA-10-018

National Institute on Drug Abuse (NIDA)

The National Institute on Drug Abuse (NIDA) is soliciting grant (R01) applications to support a diverse array of preclinical and/or clinical research projects that accelerate the translational discovery/development of safe and effective medications for the treatment of substance-related disorders (SRDs), with the ultimate goal of moving closer to, or gaining FDA approval of medications for the treatment of these disorders.

Amount: $5,000,000
LOI: March 29, 2010
Deadline: April 29, 2010

To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-018.html

Key Words: SRDs, Substance Related Disorders

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

New

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
Key Words: Substance Abuse, Treatment

Pre-Application for the 2010 NIDA Translational Avant-Garde Award for Medication Development for Diseases of Addiction (X02)
New
PAR-10-095
National Institute on Drug Abuse (NIDA)
The purpose of this funding opportunity announcement (FOA) is to encourage pre-applications for The NIDA Translational Avant-Garde
Award. 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 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.
Amount: $10,000,000
LOI: March 22, 2010
Deadline: July 2, 2010
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-095.html
Key Words: Substance Abuse, Treatment

Octapharma Grants Program
Octapharma
Octapharma is committed to supporting clinical and pre-clinical research projects that promote excellence in patient care and provide
valuable information to the medical and patient community that may translate to better management of disease and improvement in
patient safety and population health.
To qualify, requests for support must relate to clinical or pre-clinical research focusing on human protein therapies in one or more of the
following therapeutic areas:
• Immunotherapy
• Intensive Care and Emergency Medicine
• Coagulation Disorders
Amount: unspecified
LOI: N/R
Deadline: Grants are Reviewed semi-annually in April and October
To learn more: http://www.octapharmagrants.com/grant-overview.cfm
Key Words: Coagulation Disorders, Intensive Care, Emergency Medicine, Immunotherapy

Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellows in PharmD/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

**Developmental Pharmacology (R03)**

PAR-08-215
National Institutes of Health (NIH)
The purpose of this initiative is to encourage research to enhance our understanding of influences of development on mechanisms of drug action, pharmacodynamics, and drug biotransformation, prenatally and from birth through adolescence in appropriate in vivo or in vitro experimental systems including both human and animal models. In addition, because drugs are now being developed which target specific receptors or modulators (including those which may influence both safety and efficacy endpoints), it is imperative to determine their functional expression across the course of development. Successful applications should be designed around a central theme of ontogeny of processes, including cell division and differentiation, that have pharmacologic and clinical relevance, with emphasis on the interaction or relationships between these processes (e.g., drug metabolism and drug transport, receptors and ion channels, receptors and pharmacologic ligands) and application to the study of drugs in children and developing animals.

Amount:  $100,000
LOI:  Optional letters of intent are due April 23, 2010
Deadline:  May 21, 2010
Key Words:  Pharmacology

**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
Key Words:  Clinical Trials, Drug Abuse Treatment, HIV and Addictions

**Request for Information (RFI): Identifying Organizations with the Appropriate Expertise to Participate in a Collaborative Drug Development Partnership**

NOT-DA-10-006
National Institute on Drug Abuse (NIDA)
This request for information (RFI) seeks to identify institutions with the appropriate expertise to participate in a collaborative drug development partnership with the National Institute on Drug Abuse (NIDA), a part of the National Institutes of Health (NIH). The mission of this product development partnership (PDP), to be achieved by 2020, is to develop, test, and facilitate domestic and global access to safe and effective medications for the treatment of tobacco dependence, including aids for smoking cessation.

Amount:  
LOI:  
Deadline:  Release Date 12, 2010
Key Words:  Smoking Cessation, Drug Development

**Medications Development for Polydrug Addiction Treatment**
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


Key Words: Drug Abuse, Drug Development

Medications Development for the Treatment of Pregnant/Postpartum Women with Substance Related Disorders and/or In Utero SubstanceExposed 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


Key Words: Fetal Maternal Health, Substance Abuse

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

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

Key Words: Small Molecule Probes

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**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

Key Words: Neurological Disorders

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**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

Key Words: Neurological Disorders, Therapy, Treatment, Diagnostics

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**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

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
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-160.html
Key Words: Neuropharmacology, Neuropsychopharmacology, Pathophysiology

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

Medicines for Malaria Venture (MMV) 8th Call for Letters of Interest
Medicines for Malaria Venture (MMV)
Medicines for Malaria Venture is a not-for-profit organization committed to the discovery, development and delivery of affordable antimalarial drugs through public-private partnerships. We are looking towards the next generation of molecules which will power the agenda for the eradication of Malaria.
Amount: unspecified
LOI: March 16, 2010
Deadline: To learn more: http://www.mmv.org/article.php3?id_article=29
Key Words: Malaria, Drug Discovery

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
Key Words: Pediatric Pharmacology, Obstetric Pharmacology

Mechanisms of Adverse Drug Effects in Children
[(R01)PAR-08-248] and [(R03)PAR-08-249]
PAR-08-248 and PAR-08-249
Eunice Kennedy Shriver National Institute of Child Health and Human Development
National Institute on Drug Abuse
This FOA encourages projects that enhance the state-of-the-science on the molecular and cellular, genetic and epigenetic mechanisms involved in the production of adverse drug reactions in children. This FOA will utilize the NIH Research Project Grant (R01 grant) award mechanism and runs in parallel with an FOA of identical scientific scope, PAR-08-249, that solicits applications under the R03 grant mechanism.

Amount: varies
LOI: April 23, 2010
Deadline: May 20, 2010
Key Words: Drug Response, Pediatric Drug Responses, Children, Adverse Drug Reactions

**Prizes & Awards**

**Tech Awards**
The Tech Museum
The Tech Awards is an international awards program that honors innovators from around the world who are applying technology to benefit humanity.

The Tech Awards program inspires global engagement in applying technology to humanity’s most pressing problems by recognizing the best of those who are utilizing innovative technology solutions to address the most urgent critical issues facing our planet. People all over the world are profusely improving the human condition in the areas of education, equality, environment, health, and economic development through the use of technology. It is the goal of The Tech Awards to showcase their compelling stories and reward their brilliant accomplishments.

Amount: $50,000
LOI: N/R
Deadline: Accepted year round; 2010 deadline March 31
To learn more: [http://techawards.thetech.org/nominate/](http://techawards.thetech.org/nominate/)
Key Words: Technology

**SBS Awards**
The 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/](http://www.sbsonline.org/awards/)

**Key Words:** Biomolecules, Proteomics

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**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](http://grants.nih.gov/grants/guide/pa-files/PAR-08-047.html)

**Key Words:**

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**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

**Key Words:**

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**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](http://grants.nih.gov/grants/guide/pa-files/PA-08-152.html)

**Key Words:**
The Rising Star Research Awards

New
The International Mental Health Research Organization (IMHRO)
Each year IMHRO solicits research proposals from the best and brightest young brain scientists to better understand how to treat one or more of the “Big 3” brain diseases: schizophrenia, depression and bipolar disorder. The awards emphasize innovative strategies and technologies for illuminating basic mechanisms of psychiatric illness and new approaches to individualized treatment and prevention.
Amount: $250,000
LOI: N/R
Deadline: March 15, 2010
To learn more: http://www.imhro.org/the-rising-star-awards/rising-star-info.html
Key Words: Depression, Bipolar Disorder, Schizophrenia

Scientific Meetings for Creating Interdisciplinary Research Teams (R13)

New
PA-10-106
National Institutes of Health (NIH)
Multiple Institutes
This FOA solicits Research Project Grant (R01) applications that will improve understanding of the basic mechanisms of behavior change by bridging work in the laboratory and the field. This understanding will advance several goals, including: the identification of the optimal targets and timepoints in the lifecourse for intervention; the identification of common mechanisms of change related to either multiple or bundled health behaviors; the ability to tailor interventions to particular at-risk individuals or groups; the application of novel technologies for behavioral assessment and change; and the identification of individuals or groups most likely to benefit from specific interventions. This initiative seeks to establish the groundwork for a unified science of behavior change, capitalizing on emerging basic science to accelerate investigation of common mechanisms that play a role in initiating or maintaining behavior change and are applicable across a broad range of health-related behaviors. Approaches from behavioral economics; the social, behavioral, cognitive and affective neurosciences; neuroeconomics; behavior genetics and genomics; and systems science are specifically encouraged. By focusing basic research on the mechanisms of behavior change, and by integrating work across laboratory and field contexts, this initiative should transform the efficacy, effectiveness, and cost efficiency of behavior change interventions.
Amount: $2,000,000
LOI: March 29, 2010
Deadline: April 26, 2010
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-10-106.html
Key Words: Behavioral Interventions

Science of Behavior Change: Finding Mechanisms of Change in the Laboratory and the Field (R01)

New
RFA-RM-10-002
National Institutes of Health (NIH)
Multiple Institutes
This FOA solicits Research Project Grant (R01) applications that will improve understanding of the basic mechanisms of behavior change by bridging work in the laboratory and the field. This understanding will advance several goals, including: the identification of the optimal targets and timepoints in the lifecourse for intervention; the identification of common mechanisms of change related to either multiple or bundled health behaviors; the ability to tailor interventions to particular at-risk individuals or groups; the application of novel technologies for behavioral assessment and change; and the identification of individuals or groups most likely to benefit from specific interventions. This initiative seeks to establish the groundwork for a unified science of behavior change, capitalizing on emerging basic science to accelerate investigation of common mechanisms that play a role in initiating or maintaining behavior change and are applicable across a broad range of health-related behaviors. Approaches from behavioral economics; the social, behavioral, cognitive and affective neurosciences; neuroeconomics; behavior genetics and genomics; and systems science are specifically encouraged. By focusing basic research on the mechanisms of behavior change, and by integrating work across laboratory and field contexts, this initiative should transform the efficacy, effectiveness, and cost efficiency of behavior change interventions.
Amount: $2,000,000
LOI: March 29, 2010
Deadline: April 26, 2010
Key Words: Behavioral Interventions
Also included is the development of microbial systems for unique biotechnological applications and bioengineering processes, which would include methods to prevent microbial growth. To study organisms that cannot be grown in the lab, as well as research into methods to enhance the stabilization of military materiel, contaminated with toxic wastes. Included are research investigations in analytical microbiology (including microbial signatures), and in cognitive neurosciences, covering several or all areas of electrophysiology, psychophysiology, sensory and perceptual physiology, 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.

14.2 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-physiological 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


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


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


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


**Key Words:** Behavioral Phenotype, Behavior, Evolutionary Biology

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**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


**Key Words:** Mental Health, Neuropsychiatry, Psychiatry

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**NIH Announces the Availability of Recovery Act Funds for Competitive Revision Applications (R01, R03, R15, R21, R21/R33, and R37) through the NIH Basic Behavioral and Social Science Opportunity Network (OppNet)**

**NOT-OD-10-032**

National Institutes of Health (NIH)

The National Institutes of Health (NIH) announces the opportunity for investigators and United States institutions/organizations with relevant active NIH-supported research project grants (R01, R03, R15, R21, R21/R33, and R37) to submit competitive revision applications (formerly termed competitive supplements) to accelerate, expand, and/or strengthen basic behavioral and social sciences research (b-BSSR). Competitive revision applications must support a significant expansion of the scope or research protocol approved and funded for the “parent” award on which the revision application is based. Support for these competitive revision applications will come from funds provided to NIH through the American Recovery and Reinvestment Act of 2009 (“Recovery Act” or “ARRA”), Public Law 111-5.

**Amount:** $450,000

**LOI:** February 2, 2010

**Deadline:** March 2, 2010


**Key Words:** Behavioral Science, Sensation and perception, Emotion and motivation, Vulnerability and resilience, Attention, learning, and memory, Ingestive, sexual, and aggressive behaviors, Language development, Social influences and social cognition, Family processes

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**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
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
Key Words: Clinical Trials, Drug Abuse Treatment, HIV and Addictions

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
Key Words: Addictions, Treatment Program Evaluation

Cognitive Remediation Approaches to Improve Drug Abuse Treatment Outcomes (R01) and (R21)
RFA-DA-10-006 and RFA-DA-10-007
National Institute on Drug Abuse (NIDA)
There is a significant public health need to improve the outcome of treatments of substance use disorders (SUDs). SUDs are often associated with cognitive changes that may negatively impact drug abuse treatment outcomes. The purpose of this FOA is to solicit clinical research project applications that design and/or develop cognitive remediation strategies that enhance the outcome of SUD treatments.
Amount: $2,500,000
LOI: March 8, 2010
Deadline: April 7, 2010
Key Words: Substance Abuse

Medications Development for Cannabis-Related Disorders (R01)
RFA-DA-10-016
National Institute on Drug Abuse (NIDA)
The purpose of this Funding Opportunity Announcement (FOA) is to issue a Request for Applications (RFA) to support research studies that focus on the identification, and preclinical and clinical evaluation, of medications that can be safe and effective for the treatment of cannabis-use -induced disorders, as well as their medical and psychiatric consequences. The studies can be preclinical or FDA-defined Phase I, Phase II or Phase III clinical trials.
Amount: $2,500,000
LOI: March 30, 2010
Deadline: April 30, 2010
Key Words: Marijuana Abuse, Clinical Trials,

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
Key Words: **Post-Partum Depression**

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**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


Key Words: **Mental Disorders, Autism, Mental Retardation**

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**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


Key Words: **Community Based Research**

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**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.


Key Words: **Bioinformatics, DNA Sequencing, Genomics, Mental Disorders**

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**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).
Rapid Assessment Post-Impact of Disaster (R21) and (R03)
PAR-09-172 and PAR-09-171
National Institute of Mental Health (NIMH)
The purpose of this Funding Opportunity Announcement (FOA) is to provide a rapid funding mechanism for research on the post-impact of disasters, in order to permit access to a disaster area in the immediate aftermath of the event. Potential applicants are strongly encouraged to contact NIMH Program Staff before submitting a RAPID application to determine whether or not the proposed work meets the guidelines of this program, whether requested RAPID funding is likely to be available, and whether the idea should be considered for initial submission as a fully developed application. Mechanism of Support. This FOA will use the NIH Exploratory/Developmental (R21) award mechanism and runs in parallel with an FOA of identical scientific scope, PAR-09-171, that solicits applications under the Small Grant (R03) mechanism.
Amount: $275,000
LOI: N/R
Deadline: Applications should be submitted within approximately six weeks of the identified disaster event.
Key Words: Post-Traumatic Stress, Disaster Impact

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

Independent Investigator Award
NARSAD The Brain and Behavior Research Fund
The Independent Investigator Award stands between the Young and Distinguished Investigator Awards. The Young Investigator is intended to extend initial research training, or support independent scientists at the assistant professor rank. The Distinguished Investigator supports senior investigators (full professor or equivalent) pursuing innovative, new directions. Strict adherence to eligibility guidelines for the Independent Investigator will apply to prevent overlap between the programs, and to ensure that a reasonable proportion of applications judged to be excellent can be funded.
The program is intended to facilitate innovative research opportunities and supports basic, as well as translational and/or clinical investigators, however, research must be relevant to understanding, treatment and prevention of serious psychiatric disorders such as schizophrenia, mood disorders, anxiety disorders, or child/adolescent disorders.
Amount: $100,000
LOI: N/R
Deadline: March 5, 2010
To learn more: http://www.narsad.org/?q=node/125/apply_for_grants/125
Key Words: Psychiatric Disorders, Child/Adolescent Disorders

2010 Independent Investigator Award
NARSAD
NARSAD's Independent Investigator Award Program provides support for investigators during the critical period between the initiation of research and the receipt of sustained funding. A two-year award is provided to scientists at the associate professor level or equivalent, who are clearly independent and have won national competitive support as a principal investigator. Basic and/or clinical investigators are supported, but research must be relevant to schizophrenia, major affective disorders, or other serious mental illnesses. The program is intended to facilitate innovative research opportunities.

**Amount:** $100,000

**LOI:** N/R

**Deadline:** March 1, 2010

To learn more: [http://www.narsad.org/?q=node/125/apply_for_grants/125](http://www.narsad.org/?q=node/125/apply_for_grants/125)

**Key Words:** Psychiatric Disorders, Major Affective Disorders

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**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)

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


**Key Words:** Chronic Disease, Rehabilitation, Conferences

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**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


**Key Words:** Teen Violence

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**Researching, Creating, Developing, Deploying and Evaluating Innovative Educational Tools, Approaches & Resources to Advance Intellectual Basis for a National Homeland Security S&T Workforce**

BAA09-07

Department of Homeland Security

The focus of this initiative is to research, create, develop, deploy and evaluate innovative educational tools, approaches and resources that will assist with the development of an educated and well trained scientific and technical workforce, representative of the U.S. population that DHS and its partners will need to protect the country in the foreseeable future. At least on of the following topical areas of strategic interest must be a component of white papers/proposals submitted under this solicitation. (see the BAA for full listings)

2. Social & Behavioral Sciences
3. Risk, Economics, & Decision Sciences
4. Human Factors
5. Chemical Threats & Countermeasures
6. Biological Threats & Countermeasures
16. Advanced Data Analysis & Visualization
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

Basic and Applied Scientific Research
W911NF-07-R-0003-02
ARMY RESEARCH OFFICE
8.4 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, neuropsychological and/or cortical/cognitive mechanisms underlying successful completion of complex task behaviors applicable to non-laboratory 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 psycho physiological 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.

Amount: unspecified
LOI: N/R
Deadline: available immediately
Key Words: Cognition, Integrative Neurobiology

Public Health

Global Polio Eradication Initiative
New
World Health Organization (WHO)
Center for Disease Control (CDC)
Unicef
Bill and Melinda Gates Foundation
The Polio Research Committee (PRC) identifies unmet research needs, directs research, and assists in identifying investigators and designing studies to answer unanswered research questions in the fight to end polio.
The PRC is currently soliciting research proposals with particular focus on the following:
1) Understanding mucosal immunity in India
2) Addressing low vaccine coverage in Nigeria

Amount: unspecified
LOI: N/R
Deadline: March 30, 2010
To learn more: http://www.polioeradication.org/content/fixed/opvcessation/opvc_researchproposals.asp

Key Words: Epidemiology, Risk Factors, Mucosal Immunity, Gut Immunity, Poliovirus

Public Health Law Research: Making the Case for Laws That Improve Health

New

The Robert Wood Johnson Foundation (RWJF)
The Robert Wood Johnson Foundation (RWJF) seeks to build the evidence for and strengthen the use of regulatory, legal and policy solutions to improve public health. RWJF is equally interested in identifying and ameliorating laws and legal practices that unintentionally harm health. As public health practitioners, policy-makers and others consider how laws influence the public’s health, they need evidence to inform questions such as: How does law influence health and health behavior? Which laws have the greatest impact? Can current laws be made more effective through better enforcement, or do they require amendment? The purpose of RWJF’s Public Health Law Research program is to answer such questions by building a field of research and practice in public health law.

Amount: $150,000-$450,000
LOI: March 17, 2010 web conference for applicants; registration required
Deadline: April 14, 2010
To learn more: http://www.rwjf.org/applications/solicited/cfp.jsp?ID=21022

Key Words: Ethics, Law, Health Care Policy

Scientific Council of Advisors

New

Susan G. Komen for the Cure
Susan G. Komen for the Cure is establishing a new Council of Advisors of fifty experts from a variety of medical and scientific backgrounds to broaden the organization's investment in research, community programs, scientific peer review, and public policy. As distinguished scholars, full council members will be awarded a $250,000 Komen research grant, while associate council members will receive a $175,000 Komen research grant annually for the duration of their two-year term. Grants must be used to study critical questions in breast cancer and will require an annual project description and annual progress and financial reports.

Amount: up to $250,000
LOI: N/R
Deadline: March 1, 2010
To learn more: http://ww5.komen.org/ResearchGrants/ScientificAdvisoryCouncil.html

Key Words: Laboratory Research, Clinical Research, Radiation Oncology, Surgery, Pathology, Prevention Research, Epidemiology, Behavioral Sciences, Health Services, Bioinformatics, International Health, Statistics

Active Living Research and RWJF New Connections

New

Robert Wood Johnson Foundation (RWJF)
Active Living Research is a national program of the Robert Wood Johnson Foundation (RWJF). The program supports research to inform policy and environmental strategies for increasing physical activity among children and adolescents, decreasing their sedentary behaviors and preventing obesity. We place special emphasis on strategies with the potential to reach children and youths ages 3 to 18 who are at highest risk for obesity: African-American, Latino, American Indian, Alaska Native, Asian-American and Pacific Islander children, as well as children who live in under-resourced and lower-income communities. Grants funded under this call for proposals (CFP) are expected to advance RWJF’s efforts to reverse the childhood obesity epidemic by 2015. This CFP consists of grant opportunities for specified research topics and dissertation awards. It also includes funding opportunities for New Connections grants made available through the Active Living Research program. New Connections grants through Active Living Research are for new investigators who have been historically disadvantaged or underrepresented in research activities. This includes ethnic or racial researchers who are historically underrepresented, first-generation college graduates, and individuals from lower-income communities.

Amount: varies
LOI: N/R
Deadline: April 14, 2010
To learn more: http://www.rwjf.org/applications/solicited/cfp.jsp?ID=21041

Key Words: Obesity
**Scientific Meetings for Creating Interdisciplinary Research Teams (R13)**

*New*
PA-10-106
National Institutes of Health (NIH)
Multiple Institutes
This FOA solicits Research Project Grant (R01) applications that will improve understanding of the basic mechanisms of behavior change by bridging work in the laboratory and the field. This understanding will advance several goals, including: the identification of the optimal targets and timepoints in the lifecourse for intervention; the identification of common mechanisms of change related to either multiple or bundled health behaviors; the ability to tailor interventions to particular at-risk individuals or groups; the application of novel technologies for behavioral assessment and change; and the identification of individuals or groups most likely to benefit from specific interventions. This initiative seeks to establish the groundwork for a unified science of behavior change, capitalizing on emerging basic science to accelerate investigation of common mechanisms that play a role in initiating or maintaining behavior change and are applicable across a broad range of health-related behaviors. Approaches from behavioral economics; the social, behavioral, cognitive and affective neurosciences; neuroeconomics; behavior genetics and genomics; and systems science are specifically encouraged. By focusing basic research on the mechanisms of behavior change, and by integrating work across laboratory and field contexts, this initiative should transform the efficacy, effectiveness, and cost efficiency of behavior change interventions.

**Amount:** $2,000,000
**LOI:** March 29, 2010
**Deadline:** April 26, 2010

**Key Words:** Behavioral Interventions

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**Science of Behavior Change: Finding Mechanisms of Change in the Laboratory and the Field (R01)**

*New*
RFA-RM-10-002
National Institutes of Health (NIH)
Multiple Institutes
This FOA solicits Research Project Grant (R01) applications that will improve understanding of the basic mechanisms of behavior change by bridging work in the laboratory and the field. This understanding will advance several goals, including: the identification of the optimal targets and timepoints in the lifecourse for intervention; the identification of common mechanisms of change related to either multiple or bundled health behaviors; the ability to tailor interventions to particular at-risk individuals or groups; the application of novel technologies for behavioral assessment and change; and the identification of individuals or groups most likely to benefit from specific interventions. This initiative seeks to establish the groundwork for a unified science of behavior change, capitalizing on emerging basic science to accelerate investigation of common mechanisms that play a role in initiating or maintaining behavior change and are applicable across a broad range of health-related behaviors. Approaches from behavioral economics; the social, behavioral, cognitive and affective neurosciences; neuroeconomics; behavior genetics and genomics; and systems science are specifically encouraged. By focusing basic research on the mechanisms of behavior change, and by integrating work across laboratory and field contexts, this initiative should transform the efficacy, effectiveness, and cost efficiency of behavior change interventions.

**Amount:** $2,000,000
**LOI:** March 29, 2010
**Deadline:** April 26, 2010

**Key Words:** Behavioral Interventions

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**Knowledge Synthesis Center for Evaluating Genomic Application in Practice and Prevention (U18)**

*New*
RFA-GD10-001
Centers for Disease Control and Prevention (CDC)
This RFA Funding Opportunity Announcement (FOA) solicits research demonstration cooperative agreement (U18) applications to fund a Genomics Knowledge Synthesis Center. The Center will conduct, update, and publish systematic evidence reviews to address selected questions for the evaluation of a set of health-related genomic tests that may include DNA, RNA, and proteomic tests; family health history tools; and/or other health-related genomic services (“genomic applications”). The Center will also produce brief narrative information summaries (“topic briefs”) on the validity and utility of selected genomic applications and related issues. Reviews and briefs will be integrated into an online knowledge repository for Genomic Applications in Practice and Prevention (GAPP) that CDC is developing in collaboration with the National Cancer Institute (NCI) and the National Center for Biotechnology Information (NCBI) of the National Library of Medicine. Research supported by this RFA will advance knowledge about what is known, and needs to be known, about the validity and utility of genomic applications for improving health and preventing disease.

**Amount:** $1,500,000
**LOI:** March 1, 2010
**Deadline:** April 7, 2010
The Role of Healthcare and Insurance in Improving Outcomes in Cancer Prevention, Early Detection and Treatment

American Cancer Society (ACS)
The purpose of this call for applications is to stimulate research on the effects of the US healthcare system structure and the role of insurance on access to screenings and treatment. Of particular interest is research using linked databases such as SEER, Medicare payment data, State data and NCHS data; other existing databases. Studies may be at the state, multi-state, or national levels, or otherwise involve large populations. Respondents should specifically describe how their results would generalize to the broader corresponding U.S. populations.

Amount: up to $800,000
LOI: N/R
Deadline: April 1, 2010

To learn more: http://img.delivery.net/cm50content/19439/RFA/HP_RFA_Jan_2010.pdf

Key Words: Healthcare Insurance, High Risk Pools, Limited Coverage, Cancer Prevention, Cancer Screening

ARRA OS Recovery Act 2009 Limited Competition: Comparative Effectiveness Delivery System Evaluation Grants (R01)

New

RFA-HS-10-012
Agency for Healthcare Research and Quality (AHRQ)
Center for Delivery, Organizations, and Markets (CDOM)
This AHRQ Funding Opportunity Announcement (FOA), supported by funds provided to AHRQ under the American Recovery and Reinvestment Act of 2009 (Recovery Act or ARRA), Public Law 111-5, invites Research Project Grant (R01) applications from investigators seeking to conduct rigorous comparative evaluations of alternative system designs, change strategies, and interventions that have already been implemented in healthcare and are likely to improve quality and other outcomes.

Amount: $1,500,000
LOI: N/R
Deadline: March 18, 2010

To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-HS-10-012.html

Key Words: Comparative Effectiveness Research

The Health Clinic Opportunity Fund

The Kresge Foundation
The Health Clinic Opportunity Fund is targeted to free clinics, public health clinics and those designated federally qualified health center look-alikes and is designed to support and strengthen their capacity to meet both the immediate and long-term health needs of their constituents.

Amount: $150,000
LOI: N/R
Deadline: March 1, 2010

To learn more: http://www.kresge.org/index.php/program_updates/article/kresge_foundation_announces_two_new_health_initiatives/

Key Words: Community Health Organizations, Health Care Reform

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
Clinical Scholars Program
Robert Wood Johnson Foundation (RWJF)
The Robert Wood Johnson Foundation Clinical Scholars program fosters the development of physicians who will lead the
transformation of Americans’ health and health care. These future leaders will conduct innovative research and work with communities,
organizations, practitioners and policy-makers to address issues essential to the health and well-being of all Americans.
Amount: $59,500/year
LOI: N/R
Deadline: February 26, 2010
To learn more: http://www.rwjf.org/applications/solicited/cfp.jsp?ID=20912&c=EMC-ADV
Key Words: Community Based Research Training

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 health 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

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
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

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:

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
Key Words:

Community Participation Research Targeting the Medically Underserved (R01) [PAR-08-075]
Community Participation Research Targeting the Medically Underserved (R21) [PAR-08-076]
PAR-08-075 and PAR-08-076
NIH
The ultimate goal of this Funding Opportunity Announcement (FOA) with a special review issued by the Office of Behavioral and Social Sciences Research (OBSSR), National Institutes of Health (NIH) is to solicit Research Project Grant (R01) applications that propose research on health promotion, disease prevention, and health disparities that is jointly conducted by communities and researchers and targets medically underserved areas (MUA) and medically underserved populations (MUP) as defined by the Department of Health and Human Services (DHHS) Health Resources and Services Administration (HRSA).
Amount: $275,000 over an R21 two-year period
LOI: April 14, 2010
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 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:

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:

Research Education Grants for Statistical Training in Genetics of Addiction (R25)
PAR-08-081
NIH
This FOA invites applications focused on research education for the development and testing of new statistical models to address genetics-based research problems in addiction. Applicants are expected to propose a well-integrated research education and training program in statistical models or computational methods in genetics for undergraduate, graduate, and/or postdoctoral level students. Since this is a novel program, participants may be supported for as long as five years, however shorter durations of funding of some individual participants are encouraged. Achieving the capacity of the institution to address the identified research area(s) is an additional goal of this award. During this award, institutions will be expected to implement strategies for enhancing research infrastructure and capacity building at their institution and in collaborative activities.
Amount: varies
LOI: N/R
Deadline: March 17, 2010
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-081.html
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

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

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

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](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  

**Key Words:** Ethics, Human Subjects

**Recovery Act Limited Competition: Methodology Development in Comparative Effectiveness Research (RC4)**  
**RFA-OD-10-009**  
National Institutes of Health (NIH)  
multiple institutes  
The purpose of this research is to improve health outcomes by developing and disseminating evidence-based information to patients, clinicians, and other decision-makers, responding to their expressed needs, about which interventions are most effective for which patients under specific circumstances.

**Amount:** $1,500,000  
**LOI:** N/R  
**Deadline:** February 26, 2010  
**Key Words:** CRE, Comparative Effectiveness Research, Health Practices

**Recovery Act Limited Competition: Institutional Comparative Effectiveness Research Mentored Career Development Award (KM1)**  
**RFA-OD-10-011**  
National Institutes of Health (NIH)  
multiple institutes  
Through this Funding Opportunity Announcement (FOA), entitled Institutional Comparative Effectiveness Research Mentored Career Development Award (KM1), which is supported by funds provided to the NIH under the American Recovery and Reinvestment Act of 2009 (Recovery Act or ARRA), Public Law 111-5, the NIH invites applications from research-intensive institutions to support mentored career development in support of comparative effectiveness research (CER) in an interdisciplinary environment catering to the needs of diverse populations of scholars including (but not limited to) those with backgrounds in biostatistics, epidemiology, health economics, pharmacology, medicine, and dentistry. Scholars should be encouraged to register for higher degrees, where appropriate. Successful applicant institutions will be expected to include course development work in their proposal and make provision for expanding the pool of experienced CER mentors.

**Amount:** $2,500,000  
**LOI:** N/R  
**Deadline:** March 25, 2010  
**Key Words:** CER, Comparative Effectiveness Research, Epidemiology, Biostatistics, Health Economics, Pharmacology, Dentistry

**NIH Small Research Grant Program (Parent R03)**
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: [Link](http://grants.nih.gov/grants/guide/pa-files/PA-10-064.html)

**Key Words:** Genome Research, Drug Abuse, Aging, Child Health and Development, Nursing

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**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, 2010; March 1, 2011; March 1, 2012
To learn more: [Link](http://grants.nih.gov/grants/guide/pa-files/PAR-10-065.html)

**Key Words:** Global Health

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**Recovery Act Limited Competition: NIH Director’s Opportunity for Research in Five Thematic Areas (RC4)**

RFA-OD-10-005

National Institutes of Health (NIH)

American Recovery & Reinvestment Act of 2009 (Recovery Act)

This NIH Funding Opportunity Announcement (FOA), supported by funds provided to the NIH under the American Recovery and Reinvestment Act of 2009 (Recovery Act or ARRA), Public Law 111-5, solicits through this limited competition applications from domestic (United States) institutions/organizations proposing to develop and implement critical research innovations in one or more of the following five thematic areas: Applying Genomics and Other High Throughput Technologies; Translating Basic Science Discoveries into New and Better Treatments; Using Science to Enable Health Care Reform Focusing on Global Health; Reinvigorating the Biomedical Research Community.

Amount: >$1,500,000
LOI: February 15, 2010
Deadline: March 15, 2010
To learn more: [Link](http://grants.nih.gov/grants/guide/rfa-files/RFA-OD-10-005.html)

**Key Words:** Health Care Reform, High Throughput Technology, Genomics, Drug Delivery, Treatment

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**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


**Key Words:** Drug Addiction, Treatment Plans, Drug and Alcohol Services

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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


**Key Words:** HIV, AIDS, Epidemiology

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**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; broadened and refined 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


**Key Words:** Addictions, Alcohol or Alcoholism, Alcoholism Prevention, Genetics, Substance Abuse, Substance Abuse Prevention

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**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  
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, Envir

**Millennium Promise Awards: Non-communicable Chronic Diseases Research Training Program (NCoD) (D43)**  
PAR-08-175  
National Institutes of Health  
This research training program is designed to build research capacity in low- and middle-income countries (LMICs) in the fields related to cancer, cerebrovascular disease including stroke, lung disease including chronic obstructive pulmonary disease (COPD) and environmental factors including indoor air pollution, and obesity and lifestyle factors related to these conditions as well as genetics of non-communicable diseases. The institutions applying can be domestic or foreign, but have to exhibit the ability to do such training, and must exhibit that they have existing research programs in these fields.  
Amount: $1,100,000  
LOI: August 31, 2010  
Deadline: September 28, 2010  
To learn more: [http://grants.nih.gov/grants/guide/pa-files/PAR-08-175.html](http://grants.nih.gov/grants/guide/pa-files/PAR-08-175.html)  
Key Words: Chronic Disease, Long-Term Disease, Training

**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  
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  
Key Words: Risk Behaviors
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
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-10-072.html
Key Words: Substance Abuse Prevention, Policy

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

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,

Key Words: Drug Abuse, Drug Dependence

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

Science Education Drug Abuse Partnership Award – R25

PAR-08-145
National Institute on Drug Abuse
This funding opportunity announcement (FOA) solicits Research Education (R25) grant applications to fund the development and evaluation of innovative model programs and materials for enhancing knowledge and understanding of neuroscience and the biology of drug abuse and addiction among K-12 students, the general public, health care practitioners, and other groups. The award provides support for the formation of partnerships between scientists and educators, media experts, community leaders, and other interested organizations for the development and evaluation of programs and materials that will enhance knowledge and understanding of science related to drug abuse. The intended focus is on topics not well addressed in existing efforts by educational, community, or media activities.

Amount: limited to $250,000/year.
LOI: N/R
Deadline: Application Receipt/Submission Date(s): May 25, 2010
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-145.html

Key Words:

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

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


**Key Words:** Alcohol abuse, Drug abuse

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**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


**Key Words:** Alcoholism, Adolescent Behavior

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**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](http://grants.nih.gov/grants/guide/pa-files/PA-08-008.html)

**Key Words:**
National Institute on Drug Abuse (NIDA)

This NIH Funding Opportunity Announcement (FOA), supported by funds provided to the NIH and AHRQ under the American Recovery and Reinvestment Act of 2009 (Recovery Act or ARRA), Public Law 111-5, invites applications proposing clinical trials using the principles of behavioral economics to enhance the uptake of the results of comparative effectiveness research (CER) among health care providers in their practice. For this FOA, applicants must propose controlled trials that randomize units (whether individuals or clusters such as practices, hospitals, or larger units) to conditions, resulting in a randomized clinical trial (RCT) or cluster randomized trial (CRT). Research to foster the uptake of CER is seen to be necessary given the surprisingly modest behavioral response of health care providers and health care systems to information concerning treatments or procedures judged to be superior in CER trials. An additional possible benefit is that some behavioral economic interventions to promote the uptake of CER (e.g., those that rely on manipulating a providers default options) could be more cost effective than conventional approaches including some pay for performance schemes (P4P). For the purposes of this FOA, the definition of comparative effectiveness research will adhere to that adopted by the Federal Coordinating Council given at http://www.hhs.gov/recovery/programs/cer/cerannualrpt.pdf. Behavioral economics refers to the interdisciplinary efforts involving cognitive and social psychologists, decision scientists, and other social scientists together with economists to model economic decision-making and consequent actions. The approach is inclusive, since at its heart it tries to take into account what is known about how people actually make decisions rather than relying on the assumption that economic agents are fundamentally rational in the sense of expected utility theory (see, e.g., Kahneman and Tverskys (1979) work on Prospect Theory and Kahnemans (2003) Nobel lecture). It is hoped that this line of research will lead to significantly greater consideration of CER by health care providers and therefore enhance the quality of the nations health.

Amount:  $7,500,000  
LOI:  N/R  
Deadline:  April 7, 2010  
Key Words:  CRE, Comparative Effectiveness Research, Health Practices

Recovery Act Limited Competition: Comparative Effectiveness Research on Upper Endoscopy in Gastroesophageal Reflux Disease, Eradication Methods for Methicillin Resistant Staphylococcus aureus and Dementia Detection and Management Strategies (RC4)  
RFA-OD-10-008  
National Institute on Aging (NIA)  
National Institute of Allergy and Infectious Diseases (NIAID)  
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)  
National Institute of Mental Health (NIMH)

This NIH Funding Opportunity Announcement (FOA), supported by funds provided to the NIH under the American Recovery and Reinvestment Act of 2009 (Recovery Act or ARRA), Public Law 111-5, invites applications to conduct preliminary comparative effectiveness research (CER) projects in targeted, high-priority areas in which such efforts have been lacking. (For this FOA, applications should be thought of as large pilot or preliminary studies rather than definitive trials.) For the purposes of this FOA, the definition of comparative effectiveness research will adhere to that adopted by the Federal Coordinating Council given at http://www.hhs.gov/recovery/programs/cer/execsummary.html. For the purposes of this FOA, the definition of comparative effectiveness research will adhere to that adopted by the Federal Coordinating Council given at http://www.hhs.gov/recovery/programs/cer/execsummary.html. For the purposes of this FOA, the definition of comparative effectiveness research will adhere to that adopted by the Federal Coordinating Council given at http://www.hhs.gov/recovery/programs/cer/execsummary.html.

Amount:  $1,250,000  
LOI:  N/R  
Deadline:  February 26, 2010  
To learn more:  http://grants.nih.gov/grants/guide/rfa-files/RFA-OD-10-008.html  
Key Words:  Dementia, GERD, MRSA, CRE, Comparative Effectiveness Research

Promoting Careers in Aging and Health Disparities Research (K01)  
PAR-09-136  
National Institute on Aging (NIA)

The purpose of this FOA, “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  
Key Words:  Aging, Community Health, Rural Health, Health Disparities


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 Institute of Health (NIH)
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
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  
Key Words: Statistical Analysis, Behavioral Research, Computational Analysis

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: March 5, 2010, April 6, 2010, monthly throughout the open period; see announcement  
Deadline: March 19, 2010, April 20, 2010, monthly throughout the open period; see announcement  
Key Words: Environmental Health

Change in Application Submission Package and Clarification of Research Strategy Structure of PAR-10-030 for Limited Competition: NIH Competitive Revision Awards for Creating Virtual Consortium for Translational/Transdisciplinary Environmental Research (VICTER) (R01)  
PAR-10-030  
National Institute of Environmental Health Sciences (NIEHS)  
The purpose of this notice is to change the application package for submission in response to PAR-10-030 Limited Competition: NIH Competitive Revision Awards for Creating Virtual Consortium for Transdisciplinary Environmental Research and to clarify the content of the Research Strategy section. Due to the receipt date change, the application package with the Competition ID of ADOBE-FORMS-A has been closed and cannot be used for submission. Applicants must return to the announcement and download a new application package with the Competition ID of ADOBE-FORMS-B in order to submit to this opportunity. See Confirming the Correct Electronic Form Choice for additional details at: [http://enhancing-peer-review.nih.gov/docs/confirming_the_correct_electronic_forms_choice.pdf](http://enhancing-peer-review.nih.gov/docs/confirming_the_correct_electronic_forms_choice.pdf). This change is necessary to accommodate the new application due date of February 26, 2010 (per NOT-ES-10-005 at: [http://grants.nih.gov/grants/guide/notice-files/NOT-ES-10-005.html](http://grants.nih.gov/grants/guide/notice-files/NOT-ES-10-005.html)). Because of the receipt date change, page limits also changed to comply with new Enhancing Peer Review guidelines. Applications must now include a one page statement of objectives of the VICTER Program (Introduction to application) and a one page Specific Aims. The overall Research Strategy section (single PDF upload) is capped at 12 pages total and should contain the Organization and Administrative Structure, as well as the Significance, Innovation and Approach sections of each of the VICTER components.  
Amount:  
LOI: January 26, 2010  
Deadline: February 26, 2010  
Key Words: Environmental Health

Limited Competition: NIH Competitive Revision Awards for Creating Virtual Consortium for Translational/Transdisciplinary Environmental Research (VICTER) (R01)  
PAR-10-030  
National Institute of Environmental Health Sciences (NIEHS)  
The purpose of the VICTER program is to foster transdisciplinary collaboration and promote translational research efforts between and among basic (technology and mechanism oriented), clinical (patient-oriented) and population-based researchers and other individuals with expertise relevant to environmental health who have come together in common interest around a particular environmental stressor(s) of interest. The ultimate goal of the Consortia Program is to accelerate the exchange of knowledge and resources among collaborators to improve human health in those areas where environmental factors are known or expected to influence the development
or progression of disease. Each virtual consortium will consist of an NIEHS-funded researcher (lead applicant), who will serve as the principal investigator and overall coordinator of the consortia, and two new collaborators. The Competitive Revision application should include one to two new specific aims for the current NIEHS-funded research project and one to two specific aims from each of the new collaborators that will significantly expand the scope of the current project with the goal of making the research more transdisciplinary and translational in nature and stimulating synergy among the collaborators.

**Amount:** $250,000

**LOI:** January 26, 2010

**Deadline:** February 26, 2010


**Key Words:** Clinical-Translational, Environmental Health

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**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


**Key Words:** Environmental Health Sciences

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**Environmental Health Sciences Core Center Grants (P30)**

RFA-ES-10-001

National Institute of Environmental Health Sciences (NIEHS)

The National Institute of Environmental Health Sciences (NIEHS) invites applications from qualified institutions for support of Environmental Health Sciences (EHS) Core Centers. These Centers are designed to establish innovative programs of excellence in the field of environmental health sciences by providing scientific and programmatic support for promising investigators and areas of research. A Core Center Grant is an institutional award to support centralized scientific resources and facilities shared by investigators with existing research projects. By providing a Center structure and Core resources this support is intended to enhance the ability of scientists working in the field of environmental health sciences to identify and capitalize on current and emerging opportunities that will lead to outstanding research advances to improve our understanding of the relationship between environmental exposures and both human biology and human disease.

**Amount:** $34,000,000

**LOI:** March 1, 2010

**Deadline:** March 31, 2010


**Key Words:** Environmental Health

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**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


**Key Words:** Diabetes, Health Disparities, Nursing, Clinical and Basic Research

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**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

NIOSH Small Research Grant Program (R03) and (R21) and (R01)
PAR-09-138 and 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. 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
Key Words: Occupational Health, Workplace 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

NCMHD Health Disparities Research on Minority and Underserved Populations (R01)
RFA-MD-10-003
National Center on Minority Health and Health Disparities (NCMHD)
The overarching goal of this FOA is to solicit innovative research addressing elements that eliminates health disparities. Research focused on disease and/or conditions that disproportionately affect racial/ethnic minorities is a growing field and has been employed lately in understanding dynamics contributing to health disparities. Funding for this FOA will support investigators who propose to conduct health disparities research using its principles to improve health inequities. The research should take into account the characteristics of health systems and health seeking behaviors that propagate disparities. The focus of targeted research population is diverse. It includes ethnic racial minorities, medically underserved and vulnerable populations, and rural and low-income populations. Several approaches could be used when designing programs; specific interventions may include but are not limited to biological, behavioral change strategies, lifestyle factors, environmental, social and structural barriers, economics, institutional and cultural, family influences, delivery system interventions, medical procedures and regimens (including alternative therapy), medical and assistive devices and technologies.
Amount: $1,250,000
LOI: January 26, 2010
Deadline: February 26, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-MD-10-003.html
Key Words: Health Disparities

NCMHD Innovative Faith-Based Approaches to Health Disparities Research (R21)
RFA-MD-10-004
National Center on Minority Health and Health Disparities (NCMHD)
The purpose of the NCMHD Innovative Faith-Based Approaches to Health Disparities Research (R21) is to solicit applications that propose translational and transdisciplinary interventions on health disparities, social determinants of health, health behavior and promotion and disease prevention, especially those jointly conducted with faith-based organizations or faith-motivated programs and the research community. The ultimate goal is to foster empirical, formative, evaluative and intervention research on effective faith-motivated initiatives, concepts and theories that have played an important role in addressing health disparities. Funding is also intended to provide support for early and conceptual stages of exploratory and developmental research projects. This focus will allow studies to evaluate the impact of faith-based initiatives and programs in health disparity populations, formulate hypotheses about the role and unique characteristics of faith communities in addressing health disparities, design targeted interventions and track the efficacy of faith-motivated efforts that result from a participatory approach to research in the community. These studies may involve considerable risk but may lead to a breakthrough in addressing health disparities or the development of a model or application that could have a major impact on the field of health disparities research.

Amount: $275,000
LOI: February 9, 2010
Deadline: March 17, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-MD-10-004.html
Key Words: Health Disparities. Faith-Based Initiatives

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: April 20, 2010; 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: May 5, 2010; January 5, 2011; September 5, 2011; May 5, 2012
Deadline: June 5, 2010; 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 Health Promotion (CDC)
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 and Health Promotion (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
Key Words: Nutrition, Communication

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
Key Words: Cancer Surveillance, Epidemiology, Cancer, Health Claims
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
Key Words: Smoking Policy, Tobacco Use

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
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
Key Words: Cancer, Disparities, Epidemiology

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
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  
Key Words: Cancer control, Population Science
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
Key Words: Childhood Obesity, Public Policy

Research on Teen Dating Violence (R01) and (R21)
PA-09-169 and PA-09-170
Eunice Kennedy Shriving 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
Key Words: Teen Violence

NAVAL HEALTH RESEARCH CENTER (NHRC) SAN DIEGO, BROAD AGENCY ANNOUNCEMENT (BAA) 09-001
W911QY-09-011
Department of the Navy
Amount: unspecified
LOI: N/R
Deadline: Concept papers will be accepted continuously through 31 March 2011
To learn more: [https://www.fbo.gov/index?s=opportunity&mode=form&tab=core&id=ea69907d162f41b163f0e6af5ba7b9a6](https://www.fbo.gov/index?s=opportunity&mode=form&tab=core&id=ea69907d162f41b163f0e6af5ba7b9a6)
Key Words: Medical Decision Support, Biomechanics, Cognitive Neuroscience, Stress, TBI, PTSD, Wounded Rehabilitation, Vitamin D, Cancer, Respiratory Illnesses, Depression, Global Emerging Infections System, Vaccines, Rapid Diagnostic Assays, Coagulopathy, Tissue Inj

Researching, Creating, Developing, Deploying and Evaluating Innovative Educational Tools, Approaches & Resources to Advance Intellectual Basis for a National Homeland Security S&T Workforce
The focus of this initiative is to research, create, develop, deploy and evaluate innovative educational tools, approaches and resources that will assist with the development of an educated and well trained scientific and technical workforce, representative of the U.S. population that DHS and its partners will need to protect the country in the foreseeable future. At least one of the following topical areas of strategic interest must be a component of white papers/proposals submitted under this solicitation. (see the BAA for full listings)

2. Social & Behavioral Sciences
3. Risk, Economics, & Decision Sciences
4. Human Factors
5. Chemical Threats & Countermeasures
6. Biological Threats & Countermeasures
16. Advanced Data Analysis & Visualization

Amount: unspecified
LOI: white papers considered on a rolling basis
Deadline: February 28, 2010
To learn more: https://www.fbo.gov/download/c41/c418c2c7574e9672594ff3f76eba6a2a/BAA09-07@dhs.gov.pdf
Key Words: Public Risk, Medicine and Public Health, Chemical-Biological Threats, Detection and Warning Systems, Decontamination, Medical Responses to Biological Threat Events

NIDA Research Education Grants in Drug Abuse and Addiction (R25)
PAR-07-221
Department of Health and Human Services (HHS)
National Institutes of Health (NIH)
National Institute on Drug Abuse (NIDA)
This Funding Opportunity Announcement (FOA) invites applications focused on research education and research curriculum development or program building in the area of drug abuse and addiction research. The focus should be primarily on clinical research, with preclinical research included to directly inform or provide a mechanistic foundation and for the purposes of supporting translational research training.

Amount: $1,750,000
LOI: Nonrequired letters of intent are due 30 days prior to the application receipt date.
Deadline: standard dates apply (May 25; Sep 25)
To learn more: http://grants1.nih.gov/grants/guide/pa-files/PAR-07-221.html
Key Words: Addictions, Biomedical Research Training, Drug Abuse Treatment, Substance Abuse

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: $3,000,000
LOI: N/R
Deadline: March 11, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-AE-10-001.html
Key Words: Comparative Effectiveness Research

ARRA OS: Recovery Act 2009: Accelerating Adoption of Comparative Effectiveness Research Results by Providers and Patients (R18)
RFA-AE-10-001
Department of Health and Human Services (DHHS)
This ASPE FOA, supported by funds provided to ASPE under the American Recovery and Reinvestment Act of 2009 ("Recovery Act" or "ARRA"), Public Law 111-5, invites grant applications from organizations that propose to develop and test interventions to improve the translation and adoption of existing comparative effectiveness research (CER) information and incorporate these findings into practice in both the public and private sectors. Doing so effectively would demonstrate a return on the CER investment, and, more importantly, improve the health of patients. Funds will be used to support organizations that 1) develop and implement evidence-informed and innovative CER-based adoption interventions targeting patients and/or providers; 2) develop proposals that test the implementation of CER-based adoption strategies within and across organizations and delivery systems and analyze any behavior change (in patients and/or providers) associated with the intervention. CER-based entails the applicant describing and justifying the existing comparative evidence that is the focus of the adoption intervention. Organizations applying for these funds will need to utilize existing or create new measurement systems to track adoption or adherence rates (thus measuring clinician and patient behavior changes) associated with the adoption of CER and measurement of health outcomes if possible. Applicants should also seek to understand the underlying factors associated with adoption.

Amount: $3,000,000
LOI: N/R
Deadline: March 11, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-AE-10-001.html
Key Words: Comparative Effectiveness Research

Occupational Safety and Health Research (R01)
PA-07-318
Centers for Disease Control and Prevention (CDC)
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: $250,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants1.nih.gov/grants/guide/pa-files/PA-07-318.html
Key Words: Occupational Health

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://grants1.nih.gov/grants/guide/pa-files/PAR-08-072.html
Key Words: Occupational Health
ARRA OS: Recovery Act 2009 Limited Competition: Scalable Distributed Research Networks for Comparative Effectiveness Research (R01)
RFA-HS-10-015
Agency for Healthcare Research and Quality (AHRQ)
Center for Outcomes and Evidence (COE)
The goal of this FOA is to enhance the capability and capacity of electronic health networks designed for distributed research to conduct prospective, comparative effectiveness research on outcomes of clinical interventions. The clinical interventions include, but are not limited to, diagnostics, therapeutics (drugs and biologics), medical devices, behavioral interventions, and surgical procedures used in clinical care.
Amount: $8,310,000
LOI: N/R
Deadline: March 10, 2010
Key Words: Comparative Effectiveness Research

ARRA OS Recovery Act 2009 Limited Competition: Enhanced Registries for Quality Improvement and Comparative Effectiveness Research (R01)
RFA-HS-10-020
Agency for Healthcare Research and Quality (AHRQ)
Center for Outcomes and Evidence (COE)
This AHRQ Funding Opportunity Announcement (FOA), supported by funds provided to AHRQ by the Office of the Secretary (OS) under the American Recovery and Reinvestment Act of 2009 (Recovery Act or ARRA), Public Law 111-5, invites Research Project Grant (R01) applications from organizations that propose to develop the infrastructure and improve the methodology for collecting prospective data from electronic clinical databases to generate new evidence on the comparative effectiveness of healthcare interventions.
Amount: $12,000,000
LOI: N/R
Deadline: March 29, 2010
Key Words: Comparative Effectiveness Research

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
Key Words: Healthcare Delivery, Healthcare Costs, Healthcare Waste

AHRQ Small Research Grant Program (R03)
PAR-06-448
Agency for Healthcare Research and Quality (AHRQ)
This funding opportunity announcement (FOA) issued by AHRQ supports Small Research Grant (R03) applications. 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
Key Words: Health Care Services, Health Care Information, Health Care Practice & Policy, Patient Safety, Patient-Centered Care, Payment & Organization
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
Key Words: Healthcare Delivery, Healthcare Costs, Healthcare Waste

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 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, 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
Key Words: Conferences, Health Care

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
Key Words: Conferences, Health Care

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


**Key Words:**

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**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


**Key Words:** Health Services Research

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**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](http://www.cancer.org/docroot/RES/content/RES_5_2x_Mentored_Research_Scholar_Grant_in_Applied_and_Clinical_Research.asp?sitearea=RES)

**Key Words:**

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**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](http://www.cancer.org/docroot/RES/content/RES_5_2x_Physician_Training_Awards_in_Preventive_Medicine.asp?sitearea=RES)

**Key Words:**

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**Regenerative Medicine/Transplantation**

**NE LB 606 NE DHHS 2010 Stem Cell Research Project**

*New*

*NE DHHS*

In 2008, the Nebraska State Legislature adopted the Stem Cell Research Act (LB 606), which established a Stem Cell Research Advisory Committee to facilitate awarding of grants to Nebraska institutions or researchers for conducting stem cell research that does
not use human embryonic stem cells. Principal Investigators (PIs) interested in submitting applications for the NE DHHS 2010 Stem Cell Research Project competition must first participate in UNMC’s internal screening by submitting a one-page project description by March 1, 2010, to Dr. James Turpen. UNMC is allowed to submit only five applications for this project and has therefore appointed Dr. Turpen to establish an internal review committee that will determine the five UNMC investigators who are invited to submit full applications to NE DHHS.

Amount: Up to $100,000 for a one-year period (July 1, 2010 to June 30, 2011) OR Up to $150,000 for a two-year period (July 1, 2010 to June 30, 2012)
LOI: Internal Application March 1, 2010 to Dr. James Turpen
Deadline: Invited Applications March 30, 2010
To learn more: Information and Description and http://www.unmc.edu/media/spa/2010_ne_stem_cell_rfa.PDF
Key Words: non-Human Embryonic Stem Cells, Stem Cells non-embryonic

Naval Health Research Center (BAA)

New
NHRC BAA 09-001
DOD Navy
This Broad Agency Announcement (BAA) is intended to fulfill requirements for scientific study and experimentation directed toward advancing state-of-the-art technologies, and/or increasing knowledge and understanding as a means of eliminating current technology barriers. This BAA DOES NOT focus on specific systems or hardware solutions. This BAA identifies NHRC research/exploratory development areas of interest, and provides prospective offeror’s information on the preparation of proposals, along with proposal evaluation factors. The government may award purchase orders, contracts, grants, cooperative agreements or other transactions against this BAA.

Amount: unspecified
LOI: continuous until April 3, 2011
To learn more: https://www.fbo.gov/index?s=opportunity&mode=form&tab=core&id=ea69907d162f41b163f0e6af5ba7b9a6
Key Words: Tactical Medical Logistics Tool, Physical Stress, Load and Impact, Cognitive Neuroscience of Stress & Performance, PTSD/TBI, Wounded Warrior Rehabilitation Studies, Vitamin D and Cancer Prevention, Islet Cell Transplantation, Diabetes, Depression, Global

FY10 Bone Marrow Failure Research Program (BMFRP)

New
W81XWH-10-BMFRP-EHDA
W81XWH-10-BMFRP-NIA
Department of Defense (DOD)
Congressionally Directed Medical Research Programs (CDMRP)
The objectives of the BMFRP are to fund scientifically meritorious research focused on BMF syndromes and their long-term sequelae. Studies that primarily focus on myeloproliferative neoplasms, leukemia, or other malignancies are discouraged. However, studies investigating BMF syndromes and their progression to other malignancies such as leukemia are acceptable. Proposals involving therapeutics, including but not limited to bone marrow transplantation, are strongly encouraged to address issues unique to BMF syndromes.

Amount: up to $400,000
LOI: March 25, 2010 for Exploration-Hypothesis Development Award
June March 11 for New Investigator Award
Deadline: April 8, 2010 for Exploration-Hypothesis Development Award
June 10, 2010 for New Investigator Award
To learn more: http://cdmrp.army.mil/funding/bmfrp.htm
Key Words: Bone Marrow Transplant, Failure, New Investigator

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.


**Key Words:**

Limited Competition for the Continuation of the Adult Acute Liver Failure Study Group (U01)

RFA-DK-09-506

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

This Funding Opportunity Announcement (FOA) issued by the NIDDK, National Institutes of Health is to invite a cooperative agreement (U01) application for the competing continuation of the Adult Acute Liver Failure Study Group.

**Amount:** $10,000,000

**LOI:** February 15, 2010

**Deadline:** March 15, 2010


**Key Words:** Liver Failure, Acute

Limited Competition for the Continuation of the Pediatric Acute Liver Failure Study Group (U01)

RFA-DK-09-505

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

This Funding Opportunity Announcement (FOA) issued by the NIDDK, National Institutes of Health is to invite a cooperative agreement (U01) application for the competing continuation of the Pediatric Acute Liver Failure Study Group.

**Amount:** $11,100,000

**LOI:** February 15, 2010

**Deadline:** March 15, 2010


**Key Words:** Liver Failure, Pediatric, Acute Liver Failure

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


**Key Words:** Progenitor Cells, Stem Cell Differentiation

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
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


Key Words: Hematopoietic Cancers, Biomarkers

Request for Information (RFI): Studying the Roles of Cancer Stem Cells in Cancer Health Disparities
NOT-CA-10-001
National Cancer Institute (NCI)

The NCI is soliciting input from the scientific community and the general public regarding the significance of studying the roles of cancer stem cells in cancer health disparities and potential priority areas/specific ideas for such studies. In this idea-gathering phase, suggestions are also sought from scientist consultants as well as other NIH Institutes and Centers. This RFI provides an opportunity for respondents to submit their own ideas.

Amount: varies
LOI: N/R
Deadline: respond before December 31, 2009

To learn more: http://grants.nih.gov/grants/guide/notice-files/NOT-CA-10-001.html

Key Words: Cancer Stem Cells

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 (CRRMP) focuses on the innovations required to assist our wounded warriors, both in terms of duty performance and quality of life. The CRRMP 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: N/R
Deadline: September 30, 2010

To learn more: http://www.grants.gov/search/announce.do?jsessionid=2vmFKPnL20sh2KRqMCTmSnJZ6FC5xZx1mdGGngwpJvFRChlTvYNL-11634589943

Key Words: Battlefield Wounds, Emergency Treatment, Antiparasitics, Infectious Disease
Centers of Research Translation (P50)

New

RFA-AR-11-002
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 (NIAMS), invites applications for Centers of Research Translation (CORT) (P50). It is expected that a CORT will have a disease-targeted translational theme with individual projects providing synergy for the theme, directed at elucidating the relevance of basic research to human disease in an area within the NIAMS mission. Two major features of the CORT program include: 1) the overarching aim of disease-specific research translation, and 2) the inclusion of resources and an administrative structure to facilitate research translation.

Amount: $5,000,000
LOI: May 10, 2010; May 10, 2011
Deadline: June 10, 2010; June 10, 2011
Key Words: Clinical, Translational Research, Human Subject, Lupus, Scleroderma, SLE, Osteoarthritis, Psoriasis, Molecular Signal Pathways, Orthopedic Trauma Care

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
Key Words: GWAS, Genome-Wide Analysis, Musculoskeletal and Skin Diseases, Arthritis

Announcement of NIAMS Revised Procedure for Acceptance of Applications Requesting $500,000 or More Direct Costs in any Grant Year

NOT-AR-10-025
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)
Previously, the NIAMS accepted such large budget applications during two of the three grant cycles each fiscal year. Under this revised policy, the NIAMS will consider acceptance of requests for all three grant cycles. All applicants interested in submitting an application with $500,000 or more in direct costs for any year are encouraged to contact the appropriate NIAMS Program Director well in advance of submitting the application and the formal Request for Acceptance.
This policy applies to new, resubmission, renewal, and revision applications (definitions).

Amount: 
LOI: 
Deadline: Released January 15, 2011
Key Words: 

Structural Biology & Proteomics

Advancing Theory in Biology (ATB)

New

NSF 10-525
National Science Foundation (NSF)
Proposals that advance theory at the organismal level (particularly in developmental biology or physiology) as one of the focal levels of biological organization are encouraged. Proposals that do not identify phenomena at a minimum of two levels of biological organization will be returned without review.

Amount: $750,000
LOI: N/R
Deadline: April 13, 2010
To learn more: [Link]
Key Words: Biological Organization

Deep Sequencing and Analysis of Pharmacogenomic Regions: Discovery and Analysis of Genetic Variants Contributing to Drug Abuse and Addiction (R01)

New
RFA-DA-10-019
National Institute on Drug Abuse (NIDA)
Genome-wide association studies (GWAS) have been critical for identifying genomic regions associated with addiction phenotypes, and have highlighted several areas that require further refinement using deep sequencing approaches. The goal of this FOA is to support studies proposing to use next-generation sequencing technologies to identify the structural variants and SNP variants with rare to moderate frequencies that affect addiction risk in well-characterized samples with drug abuse phenotypes. Applications may propose strategies for deep sequencing based on family based designs; deep sequencing of regions identified by GWAS to be associated with addiction risk; sequencing candidate genes in individuals with extreme phenotypes; or other analytic approaches that capitalize on the genetic architecture. Applicants must use existing DNA samples with appropriately obtained consents for broad data sharing.

Amount: $12,500,000
LOI: March 29, 2010
Deadline: April 29, 2010
To learn more: [Link]
Key Words: Addiction Phenotype/Genotypes

Knowledge Synthesis Center for Evaluating Genomic Application in Practice and Prevention (U18)

New
RFA-GD10-001
Centers for Disease Control and Prevention (CDC)
This RFA, Funding Opportunity Announcement (FOA) solicits research demonstration cooperative agreement (U18) applications to fund a Genomics Knowledge Synthesis Center. The Center will conduct, update, and publish systematic evidence reviews to address selected questions for the evaluation of a set of health-related genomic tests that may include DNA, RNA, and proteomic tests; family health history tools; and/or other health-related genomic services (“genomic applications”). The Center will also produce brief narrative information summaries (“topic briefs”) on the validity and utility of selected genomic applications and related issues. Reviews and briefs will be integrated into an online knowledge repository for Genomic Applications in Practice and Prevention (GAPP) that CDC is developing in collaboration with the National Cancer Institute (NCI) and the National Center for Biotechnology Information (NCBI) of the National Library of Medicine. Research supported by this RFA will advance knowledge about what is known, and needs to be known, about the validity and utility of genomic applications for improving health and preventing disease.

Amount: $1,500,000
LOI: March 1, 2010
Deadline: April 7, 2010
To learn more: [Link]
Key Words: arthritis, cancer, kidney disease, diabetes, disability, heart disease and stroke, HIV, infectious diseases, maternal and child health, mental health, overweight, respiratory diseases, substance abuse, tobacco use, vision and hearing, educational and com

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: [Link]
Senior Scholar Award in Aging

The Ellison Medical Foundation

The Ellison Medical Foundation was established and is supported by Lawrence J. Ellison to support biomedical research (including basic biology, basic biomedicine and epidemiology) on aging. The Ellison Medical Foundation Senior Scholar program is designed to support established investigators, working at institutions in the U.S., to conduct research in the basic biological and basic biomedical sciences relevant to understanding lifespan development processes and age-related diseases and disabilities.

Areas of interest include, but are not limited to:
- Structural biology
- Molecular genetics
- Studies with model systems ranging from lower eukaryotes to humans
- Inquiries testing the relevance of simpler models to human aging
- Genetic epidemiology of aging; candidate longevity genes
- Aging in the immune system
- Host defense molecules in aging systems
- Mechanisms of free radical induced cell aging
- Mechanisms of aging in various differentiated cell populations
- Gene/environment and gene/gene interactions
- Integrative physiology
- New approaches to age-modulated disease mechanisms

Amount: $600,000
LOI: March 4, 2010
Deadline:
To learn more: [http://www.ellisonfoundation.org/adsp.jsp?key=12aging_senior_proc&show=100](http://www.ellisonfoundation.org/adsp.jsp?key=12aging_senior_proc&show=100)

Key Words: Aging

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/](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
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: Apr. 26, 2010; and Aug. 24, 2010
Deadline: May 26, 2010; and 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

Assay Development of High Throughput Molecular Screening (R21)
PAR-08-024
NIH
This PAR 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.
Amount: $100,000
LOI: N/R
Deadline: Multiple, see announcement
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-024.html
Key Words:

Ruth L. Kirschstein National Research Service Awards for (NRSA) Institutional Predoctoral Training Program in Systems Biology of Developmental Biology and Birth Defects
PAR-08-054
NICHD
This Program Announcement (PA) 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: N/R
Deadline: multiple, see link
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-054.html
Key Words:

Structural Analyses of the Ligand-Binding Properties of Taste and Smell Receptors (R01)
PA-09-059
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 analyses.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
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  
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

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  
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

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

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; April 21, 2010; August 21, 2010; April 20, 2011; August 21, 2011
Deadline: May 21, 2010; 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

Programs of Excellence in Glycosciences (P01)
RFA-HL-10-026
The National Heart, Lung, and Blood Institute (NHLBI) solicits applications to participate in the Programs of Excellence in Glycosciences (PEG). The goal of the PEG is to translate emerging discoveries in glycosciences into new diagnostics and clinical applications and to build research capacity. This program will create resources and a cadre of scientifically bilingual investigators fluent in glycan chemistry and biology that will sustain and advance the application of glycosciences to heart, lung, and blood research. To accomplish this goal, the initiative will support new partnerships to conduct multidisciplinary research, provide a glycosciences skills development core to nurture and develop new investigators, and establish a shared resources core to advance the application of glycosciences to heart, lung, and blood research.

Amount: 11,200,00
LOI: April 9, 2010
Deadline: May 10, 2010

**Key Words:** Glycoscience

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### 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

**Key Words:** Dietary Components, Cancer Prevention

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### 21st Century Research Awards

James S. McDonnell Foundation

21st Century Research Awards are designed to support research projects with a high probability of generating new knowledge and insights. Projects submitted for funding consideration should be at an early, even preliminary stage of development, and should be intended to break new ground or to revisit commonly-held assumptions. Projects submitted should be sufficiently cross-disciplinary or heterodox to have a strong likelihood of influencing the development of new ways of thinking about important problems.

All projects must qualify for one of the 21st Century Science Initiative's two program areas (see below) awarding 21st Century Initiative Research Awards.

- Studying Complex Systems
- Brain Cancer Research

Amount: $450,000
LOI: N/R
Deadline: March 17, 2010
To learn more: [http://www.jsmf.org/apply/research/index.htm](http://www.jsmf.org/apply/research/index.htm)

**Key Words:** Brain Cancer, Complex Systems Analysis

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### 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=411797f0cc2260cb5d9ed346b3c139a4b&tab=core&_cview=1&ck=1&au=&ck=
Key Words: Gene Expression Balance, Protein Expression Patterns, Phenotypic Patterns, Biomarker Signatures, Cognitive Performance

Therapies and Therapeutics

The Clagett Family Research Grant

New
Foundation for Physical Therapy
The Clagett Family Research Grant is intended to fund research on interventions that use exercise to improve mobility and participation in older adults with multiple chronic conditions. The foundation encourages collaborative and multidisciplinary teams to apply for a grant.

Amount: $300,000
LOI: March 1, 2010
Deadline: May 5, 2010
To learn more:
http://www.apta.org/AM/Template.cfm?Section=Awards_and_Scholarships&TEMPLATE=/CM/ContentDisplay.cfm&CONTENTID=67897
Key Words: Exercise, Mobility, Physical Therapy, Aging

Naval Health Research Center (BAA)

New
NHRC BAA 09-001
DOD Navy
This Broad Agency Announcement (BAA) is intended to fulfill requirements for scientific study and experimentation directed toward advancing state-of-the-art technologies, and/or increasing knowledge and understanding as a means of eliminating current technology barriers. This BAA DOES NOT focus on specific systems or hardware solutions. This BAA identifies NHRC research/exploratory development areas of interest, and provides prospective offeror’s information on the preparation of proposals, along with proposal evaluation factors. The government may award purchase orders, contracts, grants, cooperative agreements or other transactions against this BAA.

Amount: unspecified
LOI: continuous until April 3, 2011
To learn more: https://www.fbo.gov/index?s=opportunity&mode=form&tab=core&id=ea69907d162f41b163f0e6af5ba7b9a6
Key Words: Tactical Medical Logistics Tool, Physical Stress, Load and Impact, Cognitive Neuroscience of Stress & Performance, PTSD/TBI, Wounded Warrior Rehabilitation Studies, Vitamin D and Cancer Prevention, Islet Cell Transplantation, Diabetes, Depression, Global
Technology and Media Services for Individuals With Disabilities--Steppingstones of Technology Innovation for Children With Disabilities

New
ED-GRANTS-020210-002
Department of Education (DoEd)
The purposes of the Technology and Media Services for Individuals with Disabilities program are to: (1) Improve results for children with disabilities by promoting the development, demonstration, and use of technology; (2) support educational media services activities designed to be of educational value in the classroom setting to children with disabilities; and (3) provide support for captioning and video description that are appropriate for use in the classroom setting. Phase 1 projects must develop, refine, and test the feasibility of specific technology based approaches. Phase 2 projects must subject technology-based approaches to rigorous field-based research to determine their effectiveness.
Amount: $100,000-$300,000
LOI: N/R
Deadline: March 19, 2010
Key Words: Early Intervention Technologies

Enhancing the Health and Wellness of Individuals With Arthritis; Notice Inviting Applications for New Awards for Fiscal Year (FY) 2010

New
ED-GRANTS-020210-001
DEPARTMENT OF EDUCATION (DOE)
Under this competition we are particularly interested in applications that address the following priority. This priority is: Projects that are designed to contribute to improved rehabilitation interventions to reduce the symptoms, functional limitations, and barriers to employment associated with osteoarthritis among working-age adults with pre-existing disabilities. We are particularly interested in projects that focus on one or more of the following interventions recommended by the joint Arthritis-CDC Osteoarthritis Intervention Working Group: Physical activity, muscle strengthening, self-management education, weight management and nutrition, and injury prevention.
Amount: $800,000
LOI: Pre-application conference February 24, 2010
Deadline: April 5, 2010
Key Words: Osteoarthritis, Interventional Therapy

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:

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:** $150,000

**LOI:** N/R

**Deadline:** multiple, see link; continuous


**Key Words:**

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**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 (hereetofore 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:** $400,000

**LOI:** N/R

**Deadline:** multiple, see link


**Key Words:**

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**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


**Key Words:**

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**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


270

To learn more: [Website Link]

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 Heart, Lung, and Blood Institute (NHLBI)

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: [Website Link] and [Website Link]

Key Words: Small Molecule Probes

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**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: [Website Link]

Key Words: Clinical translational, neurology, neurological disorders

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**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
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

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](http://grants.nih.gov/grants/guide/pa-files/PA-09-204.html)
Key Words: Biomarkers, Translational Research, Therapies

Translational Tools for Clinical Studies of CAM Interventions (R01)
RFA-AT-10-001
National Center for Complementary and Alternative Medicine (NCCAM)
This Funding Opportunity Announcement (FOA) issued by the National Center for Complementary and Alternative Medicine (NCCAM) of the National Institutes of Health (NIH) encourages investigator(s)-initiated applications that propose to develop, enhance, and validate translational tools to facilitate rigorous study of complementary and alternative medicine (CAM) approaches that are in wide use by the public. This FOA focuses on encouraging the development of improved research methodology to study safety, efficacy, and clinical effectiveness of mind-body interventions (such as meditation), manual therapies, and/or yoga therapy. Investigations of other CAM interventions (including natural products and dietary supplements) are not allowed for this FOA.
Amount: $1,500,000
LOI: N/R
Deadline: March 23, 2010
Key Words: CAM

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: April 28, 2010; August 28, 2010; December 28, 2010; April 30, 2011; August 28, 2011
Deadline: May 28, 2010; September 28, 2010; January 28, 2011; May 27, 2011; September 28, 2011
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
Key Words:
**Investigate Therapeutic Effects of Horses on Humans**

Horses and Humans Research Foundation (HHRF)

The purpose of Horses and Humans Research Foundation (HHRF) funded research is to investigate the therapeutic effects of horses on humans. The broad research agenda includes basic research as well as clinical studies that will ultimately impact the physical and mental health and quality of life for people with disabilities who are involved with equine-assisted activities/therapies (EAA/T).

**Amount:** $50,000  
**LOI:** N/R  
**Deadline:** May 15, 2010  
**To learn more:** [http://www.horsesandhumans.org/Research.html](http://www.horsesandhumans.org/Research.html)  
**Key Words:** Equine Assisted Therapy

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**NAVAL HEALTH RESEARCH CENTER (NHRC) SAN DIEGO, BROAD AGENCY ANNOUNCEMENT (BAA) 09-001**

W91QY-09-011  
Department of the Navy

The Naval Health Research Center (NHRC) Broad Agency Announcement (BAA) 09-001, identifies scientific and technical areas of interest for research and/or exploratory development.  

The BAA technical areas of interest are divided into the following groups:  
1. Medical Modeling, Simulation and Mission Support;  
2. Warfighter Performance;  
3. Behavioral Sciences and Epidemiology;  
4. Deployment Health Research;  
5. Department of Defense HIV/AIDS Prevention Program;  
6. Respiratory Diseases Research;  
7. Medical Science;  
8. Biomedical Translational Initiative;  
9. Warfighter Systems Technologies;  
10. Advanced Technology;  
11. Navy environmental Health Effects Laboratory;  
13. Naval Submarine Medical Research Lab;  
14. Naval Aerospace Medical Lab;  

**Amount:** unspecified  
**LOI:** N/R  
**Deadline:** Concept papers will be accepted continuously through 31 March 2011  
**To learn more:** [https://www.fbo.gov/index?s=opportunity&mode=form&tab=core&id=ea69907d162f41b163f0e6af5ba7b9a6](https://www.fbo.gov/index?s=opportunity&mode=form&tab=core&id=ea69907d162f41b163f0e6af5ba7b9a6)  
**Key Words:** Medical Decision Support, Biomechanics, Cognitive Neuroscience, Stress, TBI, PTSD, Wounded Rehabilitation, Vitamin D, Cancer, Respiratory Illnesses, Depression, Global Emerging Infections System, Vaccines, Rapid Diagnostic Assays, Coagulopathy, Tissue Inj

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**Peer Reviewed Orthopaedic Research Program (PRORP)**  
**Clinical Consortium Award**

W81XWH-09-PRORP-CCA  
Department of Defense (DOD)

The intent of the award is to fund clinical studies focused on improving the outcomes of severe musculoskeletal injuries commonly associated with military combat. The main objective of this Consortium Award is to address questions that need to be answered through large multi-site clinical trials with appropriate statistical power. The award is designed to combine the population of military orthopaedic trauma patients and the combat-relevant expertise of PRORP-specified military treatment facilities with the patient populations and research expertise of highly qualified civilian orthopaedic trauma departments at outstanding institutions. Clinical outcomes will require longitudinal evaluations of definitive care which should include surgical reconstruction, clinical rehabilitation, and return to optimal function. The expected end results are an established infrastructure for continuing clinical studies on combat-relevant musculoskeletal injuries, and products (information, guidelines, validated techniques, or devices) that result in changes to, or validation of, current clinical practice that lead to better outcomes for our injured warriors.

**Amount:** $30,000,000  
**LOI:** December 23, 2009  
**Deadline:** January 11, 2010  
**To learn more:** [http://cdmrp.army.mil/funding/prorp.htm](http://cdmrp.army.mil/funding/prorp.htm)  
**Key Words:** Wound Healing, Orthopaedic, Trauma

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**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.

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**2009 Investigator’s Award In Clinical Translation Of Cell And Gene Therapy For Cancer Research Grant**

**ALLIANCE FOR CANCER GENE THERAPY, INC. (“ACGT”)**

A number of cell and gene therapy approaches for cancer have been shown to be efficacious and safe in laboratory animal models in the recent years, but their translation into clinical trials has been hindered by a lack of resources. Recognizing this critical need, ACGT is accepting grant applications to produce and release-testing of the clinical trial agents under cGMP, conduct the necessary pre-clinical pharmacological and toxicological studies in appropriate animal models, and/or conducting the clinical translational trials in patients in support of an Investigative New Drug (IND) application to the FDA. While the unambiguous demonstration of preclinical efficacy in cancer treatment by cell and gene therapy is a pre-requisite, entering into the clinical trial during the funding period is also a requirement.

**Amount:** $750,000

**LOI:** Abstract deadline: January 19, 2010

**Deadline:** March 18, 2010

To learn more: [http://www.acgtfoundation.org/](http://www.acgtfoundation.org/)

**Key Words:** Cancer, Gene Therapy, cGMP

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**Training and Fellowships**

**Notice of Availability of Administrative Supplements for R25 Science Education Grants**

**New**

**NOT-DA-10-007**

National Institutes of Health Blueprint for Neuroscience Research

multiple institutes

The National Institutes of Health Blueprint for Neuroscience Research announces an administrative supplement program of $600,000 in Fiscal Years 2010 and 2011 to provide funds to Blueprint Institute-supported research education projects (see Eligibility section below). The purpose of this program is to create and broadly disseminate materials/programs to inform students and teachers in kindergarten-12th grade about the field of neuroscience.

**Amount:** $75,000

**LOI:** N/R

**Deadline:** April 2, 2010


**Key Words:** Neuroscience

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**Ruth L. Kirschstein National Research Service Awards (NRSA) for Individual Postdoctoral Fellows (Parent F32)**

**New**

**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
Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral MD/PhD and Other Dual Doctoral Degree Fellows (Parent F30)

New
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


Key Words: Aging, Substance Abuse, Communications Disorders, Dental and Craniofacial Research, Diabetes, Digestive and Kidney Disease, Environmental Health Sciences, Mental Health

Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellowships to Promote Diversity in Health-Related Research (Parent F31 - Diversity)

New
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


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

Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellows (Parent F31)

New
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


Key Words: Aging, Substance Abuse, Communications Disorders, Dental and Craniofacial Research, Mental Health, Neurological Disorders, Stroke, CAM
NINDS Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellows in MD-PhD programs (F31)

New
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
Key Words: MD/PhD Programs

NIDDK Education Program Grants (R25)

New
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: March 26, 2010. Standard dates apply for the remaining cycles
Key Words: Diabetes, Obesity, Nutrition, Informatics, Hematologic Diseases

NEI Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) for Statistical Genetics and Genome Informatics

New
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
Key Words: Genomic Medicine, Ocular Diseases

Breast Cancer Postdoctoral Fellowship Award

New
W81XWH-10-BCRP-POSTDOC
Department of Defense (DOD)
Congressionally Directed Medical Research Programs
The Postdoctoral Fellowship Award supports exceptionally talented recent medical or other doctoral graduates performing innovative, high-impact breast cancer research during their postdoctoral training, and allows them to obtain the necessary experience for an
independent career at the forefront of breast cancer research. Candidates for this award should exhibit a strong desire to pursue a career in breast cancer research. Under this award mechanism, the postdoctoral trainee is considered the Principal Investigator (PI) and, as such, should write the project narrative with appropriate direction from the mentor. While the PI is not required to have previous experience in breast cancer research, this proposal must focus on breast cancer research. Proposals must emphasize the PI’s high potential for success in becoming an independent breast cancer researcher based on his/her qualifications, achievements, and letters of recommendations.

Amount: $300,000
LOI: March 24, 2010
Deadline: April 7, 2010

Key Words: Breast Cancer, Post-Doctoral Training, Mentor

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**Breast Cancer Research Program Predoctoral Traineeship Award**

*New*

W81XWH-10-BCRP-PREDOC

Department of Defense (DOD)

Congressionally Directed Medical Research Programs

The Predoctoral Traineeship Award supports the training of promising graduate students studying breast cancer under the guidance of a designated mentor to prepare them for successful careers in breast cancer research. Under this award mechanism, the predoctoral trainee is considered the Principal Investigator (PI) and, as such, should write the application with appropriate direction from the mentor. The mentor, who may be a junior or senior faculty member, must clearly demonstrate a commitment to guiding the PI’s research and training, and must have a track record in breast cancer research. If the mentor is not an experienced breast cancer researcher, then a formal co-mentorship by an established breast cancer researcher is required.

Applications should emphasize:

- The PI’s talent, potential, and commitment to breast cancer research,
- The mentor’s (and co-mentor’s, if applicable) qualifications and experience in breast cancer research,
- The level of the mentor’s (and co-mentor’s, if applicable) support of the PI’s research and training,
- The strength of the training program in breast cancer research, and
- The institution’s commitment to training future leaders in breast cancer research

Amount: $120,000
LOI: March 24, 2010
Deadline: April 7, 2010
To learn more: [http://www.grants.gov/search/synopsis.do;jsessionid=8hWqLxWHvvYyTHLJntqvjLtmh024dtJHzR6dn81QQLjI2bxAZP2s6l1640260946](http://www.grants.gov/search/synopsis.do;jsessionid=8hWqLxWHvvYyTHLJntqvjLtmh024dtJHzR6dn81QQLjI2bxAZP2s6l1640260946)

Key Words: Breast Cancer, Pre-Doctoral Training, Mentor

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**NICHD’s Institutional Predoctoral and Postdoctoral Training Program in Reproductive, Obstetric, Perinatal and Pediatric Epidemiology and Pharmacoepidemiology (T32)**

PAR-08-271

The 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 grant applications from institutions/organizations for the NICHD Institutional 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. The primary objective is to prepare qualified individuals for careers in pharmacoepidemiology and epidemiology that have a significant impact on the health-related research needs of the Nation.

Amount: $2,000,000
LOI: April 25, 2010 and 2011

Key Words: Reproductive, Obstetric, Perinatal and Pediatric Epidemiology and Pharmacoepidemiology

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**Clinical Scholars Program**

Robert Wood Johnson Foundation (RWJF)

The Robert Wood Johnson Foundation Clinical Scholars program fosters the development of physicians who will lead the transformation of Americans’ health and health care. These future leaders will conduct innovative research and work with communities, organizations, practitioners and policy-makers to address issues essential to the health and well-being of all Americans.

Amount: $59,500/year
LOI: N/R
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 health 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
Deadline: Standard dates apply
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
Deadline: Standard dates apply
To learn more: [http://grants.nih.gov/grants/guide/pa-files/PA-09-211.html](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
Deadline: Standard dates apply
Key Words: Fellowships, Post-doc

Ruth L. Kirschstein National Research Service Awards for (NRSA) Institutional Predoctoral Training Program in Systems Biology of Developmental Biology and Birth Defects
PAR-08-054
NICHD
This Program Announcement (PA) encourages applications for predoctoral NRSA T32s to provide research training in systems biology of developmental biology and/or structural birth defects research.
Amount: varies
Deadline: multiple, see link
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 Experiences for Undergraduates (REU)

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
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
Key Words: Biological Sciences, Biomedical Research Resources, Biomedical Research Training, Health and Medicine

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
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

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

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
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 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

Key Words: Health Related Research, Predoctoral, Postdoctoral

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
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, 2010; 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

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

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
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, Envir

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

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

Key Words: Clinical, Aging

Aging Research Dissertation Awards to Increase Diversity (R36)
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 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
NINR Career Transition Award (K22)
PAR-08-148
National Institute of Nursing Research
The NINR Career Transition K22 Award will 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) [http://www.ninr.nih.gov/].
Amount: up to $50,000 per year, for up to two years
LOI: 30 days before due date
Deadline: Standard dates apply

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

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: April 22, 2010; August 24, 2010; December 22, 2010; April 22, 2011; August 24, 2011; December 22, 2011 (including resubmissions)

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: Nursing Fellowships, Career Development Award to Promote Diversity in Neuroscience Research (K01), Mental Health Dissertation Research Grant to Increase Diversity (R36), Short Term Career Development Award in the Environmental Health Sciences for Established Investigators (K18)
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

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

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
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


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


Paul Calabresi Career Development Award For Clinical Oncology (K12)

PAR-06-449

National Cancer Institute (NCI)

The goal of the Paul Calabresi Award for Clinical Oncology (PCACO) is to ensure a cadre of medical doctors and basic science researchers who can collaborate with each other to design and implement hypothesis-based translational therapeutic research. The purpose of the PCACO is to increase the number of medical doctors (M.D. s, D.O. s), and doctorally-degreed nurses (Ph.D. s or equivalents) and basic research scientists (Ph.D. s, D.V.M. s, or equivalents) who are highly-motivated and trained to: 1) primarily perform clinical oncology therapeutic research that develops and tests scientific hypotheses based on fundamental and clinical research findings; 2) design and test hypothesis-based, clinical therapeutic protocols and adjunct biological analyses and for clinician candidates to administer all phases (i.e., pilot/Phase I, Phase II, and Phase III) of cancer therapeutic clinical trials, and (3) conduct cancer therapeutic research in team research settings in which basic research and clinical scientists 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 emphasize the use of animal or other model systems.

Amount: $5,250,000
LOI: 30 days prior to application
Deadline: Standard dates apply


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://orchid.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
Young Investigators’ Grants and Program Grants
Human Frontier Science Program
Research grants are provided for teams of scientists from different countries who wish to combine their expertise in innovative approaches to questions that could not be answered by individual laboratories. Emphasis is placed on novel collaborations that bring together scientists preferably from different disciplines (e.g. from chemistry, physics, computer science, engineering) to focus on problems in the life sciences. The research teams must be international. The principal applicant must be from one of the eligible countries. However, other participating scientists and laboratories may be situated anywhere in the world.
Amount: $1,350,000
LOI: March 22, 2010
Deadline: March 31, 2010
To learn more: http://www.hfsp.org/how/appl_forms_RG.php
Key Words: Molecular and Cellular, Systems Biology, Cognitive Neuroscience

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: HIV/AIDS, Endemic Countries, Training

Global Infectious Disease Research Training Program Award (D43)
PAR-08-154
Fogarty International Center (FIC)
The purpose of this announcement is to invite applications for U.S. and developing country institutions for programs to provide infectious disease (excluding HIV/AIDS) research training to scientists and health professionals in order to build sustainable research capacity at institutions in low- and middle-income endemic countries.
Amount: $690,000
LOI: August 14, 2010
Deadline: September 16, 2010
To learn more: http://grants.nih.gov/grants-guide/pa-files/PAR-08-154.html
Key Words: HIV/AIDS, Endemic Countries, Training

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

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: March 26, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-HS-10-018.html

Key Words: Cystic Fibrosis, Health Policy, Biological Sciences, Biomedical Research Resources, Biomedical Research Training, Health and Medicine
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  
Key Words: Health Services Research

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](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](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](http://www.cancer.org/docroot/RES/content/RES_5_2x_Postdoctoral_Fellowships.asp?sitearea=RES)  
Key Words:

This publication is available on-line at  
[http://www.unmc.edu/research_fundingopportunities.htm](http://www.unmc.edu/research_fundingopportunities.htm)  

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