Announcements

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

Future Calls for Proposals

New

Robert Wood Johnson Foundation (RWJF)
Whenever possible, RWJF will post advance notice of when they intend to issue calls for proposals (CFPs). In general, the application deadline for most CFPs will be one to three months after the release date.

Harold Amos Medical Faculty Development Program
Interdisciplinary Nursing Quality Research Initiative (INQRI)
Medicaid Leadership Institute
Robert Wood Johnson Foundation Clinical Scholars Program
Robert Wood Johnson Foundation Nurse Faculty Scholars

Amount:
LOI:
Deadline: October, November, December release dates
To learn more: http://www.rwjf.org/applications/solicited/upcomingcfplist.jsp?cid=xrs_rss-fa

Key Words: Nursing, Medicaid, Clinical Scholars

Restructured Application Forms and Instructions for Submissions for FY2011 Funding

New

NOT-OD-09-149
National Institutes of Health (NIH)
This notice announces that new, restructured versions of the paper PHS 398 and electronic SF 424 (R&R) application packages and instructions will be available by December 2009.

Applicants must download and use the new application packages for submissions targeting due dates on or after January 25, 2010 (funding for fiscal year (FY) 2011 and beyond). Changes include significantly shorter page limits and restructured application packages. These changes will affect all competing applications submitted to NIH, as follows:

- all applications (including individual Career Awards) electronically submitted using application packages that combine the SF 424 (R&R) with PHS 398 components (e.g., PHS 398 Research Plan Component and PHS 398 Career Development Supplement Form);
- all electronically submitted Individual NRSA Fellowship applications using application packages that combine the SF 424 (R&R) with the PHS Fellowship Supplemental Form; and
- all applications using the paper PHS 398 application package.

Amount:
LOI:
Deadline: Released September 16, 2009
To learn more: http://grants.nih.gov/grants/guide/notice-files/NOT-OD-09-149.html

Key Words:

Notice of Intent to Publish a Request for Applications for Cognitive Remediation Approaches to Improve Drug Abuse Treatment Outcomes (R01, R21)

New

NOT-DA-09-015
National Institute on Drug Abuse (NIDA)
The National Institute on Drug Abuse (NIDA) intends to publish a Request for Applications (RFA) to solicit research applications that develop cognitive remediation strategies that enhance substance use disorder (SUD) treatment outcomes. In particular, this RFA will encourage studies that investigate the potential relationship of pharmacological interventions and/or behavioral interventions in humans that may be able to produce cognitive remediation and improve the outcome of various SUD treatments.

This notice is being provided to allow potential applicants sufficient time to develop meaningful collaborations and responsive projects. This RFA is expected to be published in December, 2009 with an expected receipt date in April, 2010. This RFA will utilize the R01 and R21 grant mechanisms.

Amount:
LOI:
Deadline: Released September 25, 2009
To learn more: http://grants.nih.gov/grants/guide/notice-files/NOT-DA-09-015.html

Key Words: Drug Abuse Treatment

Notice of Intent to Publish a Program Announcement for Countermeasures Against Chemical Threats (CounterACT) Exploratory/Developmental Projects in Translational Research (R21)
New
NOT-NS-09-018
National Institute of Neurological Disorders and Stroke (NINDS)
The National Institute of Neurological Disorders and Stroke (NINDS) intends to issue a Program Announcement with Special Referral Considerations (PAR) in the fall of 2009 to provide support for exploratory and developmental translational research on therapeutics for reducing mortality and morbidity caused by acute exposures to chemical threat agents. Chemical threat agents are toxic chemicals that could be released by a deliberate terrorist attack against civilians, or by accident or natural disaster causing mass casualties. The NIH CounterACT Research Program supports basic, translational, and clinical research aimed at the discovery and/or identification of better therapeutic medical countermeasures against chemical threat agents, and facilitates their movement through the regulatory process (www.ninds.nih.gov/counteract).

Amount: 
LOI: 
Deadline: Released September 22, 2009
To learn more: http://grants.nih.gov/grants/guide/notice-files/NOT-NS-09-018.html

Key Words: CounterACT, Chemical Threat Agents, Therapeutics

BAA ANNOUNCEMENT: Development of Technologies to Facilitate the use of, and Response to, Biodefense Vaccines - BAA-NIAID-DMID-NIHAI2009055

New
NOT-AI-09-052
National Institute of Allergy and Infectious Diseases (NIAID)
The primary objective of this solicitation is to support the advanced development of a candidate product, which consists of a vaccine component and a delivery technology, for use in post-event settings following the intentional release of a biothreat agent or naturally occurring outbreaks of infectious diseases. In this type of setting, simplicity of operation and efficiency of delivery of the vaccine to and the effectiveness in large numbers of patients, are primary goals. Candidate products that reduce the time to establish immunity, increase vaccine stability and/or reduce logistical requirements are important secondary objectives and would further enhance the capabilities of a candidate product that is easily delivered. BAA NIH-NIAID-NIHAI2009055 will be available electronically on or about August 18, 2009, and may be accessed at http://www.fbo.gov/. Only electronic copies of the BAA will be available. All information required for the submission of an offer will be contained in the BAA.

Amount: varies
LOI: N/R
Deadline: November 18, 2009
To learn more: http://grants.nih.gov/grants/guide/notice-files/NOT-AI-09-052.html

Key Words: Vaccines

Nonhuman Primate Core Cellular Immunology Laboratory For Aids Vaccine Research And Development

New
RFP-NIAID-DAIDS-NIHAI2009071
National Institute of Allergy and Infectious Diseases (NIAID)
The purpose of the proposed contract will be to support the conduct, improvement, and development of assays designed to evaluate and characterize the cellular immune responses of NHPs that have been immunized with candidate HIV or SIV vaccines or infected with SIV, SHIV, or HIV in studies conducted at the NIAID SVEU contract sites or by NIH-supported investigators.

Amount: unspecified
LOI: Pre-solicitation notice
Deadline: December 3, 2009
To learn more: https://www.fbo.gov/index?s=opportunity&mode=form&id=fb1f596783a04fa4df94fd68bdad704&tab=core&_cview=1

Key Words: Nonhuman Primate, Immunological Screening, GLP

RFP ANNOUNCEMENT: External Quality Assurance Program Oversight Laboratory (EQAPOL)

New
NOT-AI-09-053
National Institute of Allergy and Infectious Diseases (NIAID)
Project Requirements
The scope of activities to be carried out under this contract involves both QA/QC and operational activities and includes:
(A) maintenance of a PBMC bank and EQA reagent repository
(B) establishment of a PBMC EQA program to assess the ability of laboratories to reliably process, freeze, store, and ship viable and functional PBMC

To learn more: https://www.fbo.gov/index?s=opportunity&mode=form&id=fb1f596783a04fa4df94fd68bdad704&tab=core&_cview=1

Key Words: Nonhuman Primate, Immunological Screening, GLP
(C) preparation and distribution of proficiency panels and reagents to laboratories that conduct enzyme-linked immunosorbent spot (ELISpot) assays and evaluation of test results
(D) preparation and distribution of materials and reagents to laboratories that perform intracellular cytokine staining (ICS), novel T cell assays, and/or other flow cytometry based assays, and evaluation of test results
(E) acquisition, establishment, and characterization of unique clade-specific HIV virus panels, or other viral isolate panels, as needed, to help ensure assay quality and validity of new assay platforms
(F) creation and maintenance of a central web database for the above activities
(G) advice on Food and Drug Administration (FDA) regulatory, compliance, and statistical issues and coordination of optimization efforts among laboratories to develop validation programs for novel T or B cell functional assays
(H) establishment and support of an Independent External Advisory Group
(I) provide expertise to develop/implement a proficiency panel to access pre-existing vaccine vector immunity
(J) support the development of antibody characterization assays.

Amount:
LOI:
Deadline: Released September 16, 2009
To learn more: [link]

Request for Information (RFI): Phenotyping Knockout Mice

New
NOT-HG-10-005
National Human Genome Research Institute (NHGRI)
National Center for Research Resources (NCRR)
National Human Genome Research Institute (NHGRI)
Eunice Kennedy Shriver National Institute of Child Health and Human Development

The purpose of this RFI is to seek input and feedback from the scientific community in order to inform and guide future large-scale phenotyping of knockout mice. Specifically, the NIH is seeking advice and recommendations on the scope, depth, and breadth of a phenotyping effort, and to provide rationale and justification on how this effort would benefit research.

Amount:
LOI:
Deadline: October 15, 2009
To learn more: [link]

Breast Cancer Research Program
Funding Opportunities for Fiscal Year 2009

New
Department of Defense (DOD)
Congressionally Directed Medical Research Program (CDMRP)
Program Announcements for the Fiscal Year 2009 Breast Cancer Research Program are expected to be released in October 2009. The following award mechanisms will be offered:
1. Concept Award
2. Postdoctoral Fellowship Award
3. Era of Hope Scholar Award

Amount:
LOI:
Deadline: Released September 29, 2009
To learn more: [link]

AHRQ Announces Intent to Publish Grant and Contract Solicitations for Patient Safety and Medical Liability Reform Demonstration Projects

New
NOT-HS-09-013
Agency for Healthcare Research and Quality (AHRQ)
Office of Extramural Research, Education, and Priority Populations

On September 9, 2009, President Obama addressed a joint session of Congress to announce his proposals for what health insurance reform legislation should include. One component of such a plan includes investing in new ways to manage medical liability claims. As directed by President Obama, the Secretary of the Department of Health and Human Services (HHS) will launch a new demonstration
initiative that will allow states, localities, and health care systems to test models that meet the goals and commitments to: put patient safety first and work to reduce preventable injuries; foster better communication between doctors and their patients; ensure that patients are fairly and quickly compensated for legitimate medical injuries, while also reducing the incidence of frivolous lawsuits; and reduce escalating liability premiums.

With this notice, AHRQ is announcing the Agency’s intention to support a new demonstration initiative. AHRQ will fund demonstration grants and contracts and planning grants to states, localities, and health systems for implementation and evaluation of evidence-based patient safety and medical liability demonstrations.

AHRQ will solicit applications for demonstrations that evaluate approaches to improve focus on improvements in patient safety and reduction in defensive medicine; provide fair and timely compensations to patients and families; reduction in malpractice premiums; and build capacity for systems that incorporate sustainable, reliable provider and practitioner approaches to mitigate risks to patients’ safety in health care settings, including enhanced physician accountability.

Amount:
LOI: Pre-solicitation notice
Deadline: available October 2009
Key Words: Malpractice, Public Policy Debate, Patient Safety

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

Sharing Data and Tools: Federations using the BIRN and caBIG Infrastructures (R01)
NOT-HL-08-103
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 FOA is released in affiliation with the Neuroscience Blueprint, with Institutes and Centers participating independently, and with participation by Institutes that are not part of the Neuroscience Blueprint. Institutes that are not part of the Blueprint are also participating.

Amount: $250,000
LOI: N/R
Deadline: multiple dates; January, September 21, 2009
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-07-426.html#SectionIV
Key Words:

Extension of Several NRSA Training (T), NRSA Fellowship (F), and Career Development (K) Funding Opportunity Announcements
NOT-OD-08-069
NIH

This notice updates and replaces the previous notice, NOT-OD-07-043, released January 25, 2007. The Ruth L. Kirschstein National Research Service Award (NRSA) institutional training grant, NRSA fellowship, and career development Funding Opportunity Announcement(s) (FOAs) listed below have expiration dates prior to the anticipated conversion of these programs to electronic submission (see Electronic Receipt Timeline). However, the date of conversion of these mechanisms has been delayed (see: NOT-OD-07-038). Due to the upcoming receipt dates for several FOAs using these mechanisms, their expiration dates are being extended until January 8, 2010. The participating NIH Institutes and Centers will continue accepting paper applications in response to the below listed FOAs (see: Standard Postmark/Submission Dates for Competing Applications) until these mechanisms are converted to electronic submission via Grants.gov, and the use of the SF 424 Research and Related (R&R) forms. Updates on the status of the transition to electronic submission are posted on the NIH eRA Electronic Submission of Grant Applications Web site.
Reminder of NIH Requirements for Submission of Financial, Administrative, and Scientific Closeout Reports in a Timely and Accurate Fashion

**NOT-OD-09-128**
National Institutes of Health (NIH)
This Notice is a reminder that NIH grantees are obligated to provide timely and accurate final closeout reports on the financial, programmatic, and administrative aspects of their grant within 90 days after the project period end date. This includes ensuring that there are no discrepancies between the final Financial Status Report and the Payment Management System’s Federal Cash Transaction Report.
A summary of the requirements for closeout reports and procedures for submitting the required documents to NIH are provided below.

**Amount:**
LOI: N/R
**Deadline:** Released August 6, 2009

**Key Words:** Ruth L. Kirschstein National Research Service Award

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**xTrain Expands to Include Use for NIH Institutional Career Development Awards and NLM Training Grants**

**NOT-OD-09-146**
National Institutes of Health (NIH)
Effective immediately, the National Institutes of Health (NIH) invites all institutions registered with the electronic Research Administration (eRA) Commons to use the xTrain Commons module to prepare and submit appointment forms and other related documents for NIH institutional career development awards (K12s and KL2s) and NLM research training grants (T15s). xTrain is the electronic solution to submitting appointments using the PHS2271—Statement of Appointment form. For institutional career development awards, grantees should check with the NIH awarding Institute/Center to determine if the K12 or KL2 program requires the use of the PHS2271 and, therefore, are now eligible to submit such information via xTrain.
The xTrain system, which is also available for use by Kirschstein-NRSA research training grants, speeds up the NIH approval process and reduces the chance of data entry errors associated with paper appointment forms. Once a training grant appointment (or other action) has been initiated, xTrain allows institutional and NIH users to track its status, and allows NIH staff to review and approve appointments and other actions electronically.

**Amount:**
LOI:
**Deadline:** Released August 28, 2009

**Key Words:** Reports, Grant Closeout

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**Recovery Act of 2009: Information on Quarterly Reporting Requirements for NIH Award Recipients**

**NOT-OD-09-129**
National Institutes of Health
American Reinvestment and Recovery Act of 2009
This Notice is to remind ARRA recipients of the quarterly reporting requirement, announce the posting of a new NIH ARRA website specific to this requirement, and to provide NIH ARRA grantees with contact information for questions concerning this quarterly report.

**Amount:**
LOI:
**Deadline:** Released July 31, 2009

**Key Words:** ARRA Funds, Reporting Requirements

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**Notice of Intent to Publish a Request for Applications for 2010 NIDA Translational Avant-garde Award for Medication Development for Diseases of Addiction (DP1)**

**NOT-DA-09-014**
National Institute on Drug Abuse (NIDA)
The National Institute on Drug Abuse (NIDA) intends to promote a new initiative, the 2010 NIDA Translational Avant-garde Award, by publishing a Request for Applications (RFA) to solicite applications for outstanding translational projects for the development of small
molecules or biologics to address unmet medical needs for drug addiction treatments. Clinical indications may include substance use disorders stemming from tobacco, cannabis, cocaine, methamphetamine, or prescription opiate use or abuse.

In contrast to proposals focusing solely on novel target discovery, new animal model generation, development and testing of human laboratory models or mechanistic studies of the neurobiology of addiction, the NIDA Translational Avant-garde Award applications are expected to be based on a robust body of background data in the basic sciences and discovery phases, and to be poised to transition from late drug discovery to pre-clinical and/or clinical phases of medication development.

The FOA is expected to be published on or before December 2009 with an expected receipt date in April 2010. This FOA will utilize the two-tiered review process using the X02 and DP1 application mechanisms

**Notice of Intent to Publish a Request for Applications for Exploring Epigenomic Processes and Non-Coding RNAs in HIV/AIDS (R01, R21)**

NOT-DA-09-010

National Institute on Drug Abuse (NIDA)

The National Institute on Drug Abuse (NIDA) intends to issue a set of Requests for Applications (RFA) to solicit applications for research addressing the role of epigenomics in HIV infection and pathogenesis in combination with substance abuse. The RFA will encourage a broad range of interdisciplinary research, using in vitro, animal and human approaches to address these interactions. Studies may include 1) epigenomic regulation of HIV infection, 2) epigenomic processes associated with specific patterns of disease progression in individuals with a history of substance abuse, and 3) the effects of epigenomic changes associated with drug abuse on HIV infection and disease progression. Proposed research must focus on HIV/AIDS, must have a significant epigenomic or non-coding regulatory RNA component, and must include a component related to drugs of abuse. Studies using samples from drug abusing populations or relevant in vivo or in vitro model systems would be appropriate.

This notice is being provided to allow potential applicants sufficient time to develop meaningful collaborations and responsive projects. This RFA will utilize the R01 and R21 grant mechanisms. The RFA is expected to be published in September 2009 with an expected receipt date in December 2009.

**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.

**Modified Receipt Dates for NIGMS Supplements for Collaborative Science Program, Reissued for 2010 and 2011**

NOT-GM-09-027

National Institute of General Medical Sciences

The purpose of this Notice is to change the annual Receipt Dates from three receipt dates per year to two, for:

**NOT-GM-08-130 NIGMS Administrative Supplements for Collaborative Science**

Amendment: Additional Language for Program Announcement (PA) FOAs: PA-08-256 and PA-08-257, Research to Advance Vaccine Safety

NOT-AI-09-050
National Institute of Allergy and Infectious Diseases (NIAID)
The purpose of this Amendment is to provide additional clarification/language for the following NIAID program announcements:

4) creation/evaluation of statistical methodologies for analyzing data on vaccine safety, including data available from existing data sources such as passive reporting systems.

Amount: Not specified
LOI: Not specified
Deadline: Released July 31, 2009
To learn more: http://grants.nih.gov/grants/guide/notice-files/NOT-AI-09-050.html
Key Words: Vaccine Safety

AMENDMENT: Recovery Act Limited Competition: Protection of Human Health by Immunology and Vaccines

RFA-AI-09-040 (U01, U19)
NOT-AI-09-051
National Institute of Allergy and Infectious Diseases (NIAID)
This Notice amends the Funding Opportunity Announcement (FOA), RFA-AI-09-040, to clarify the definition of clinical trials in the context of this FOA.

For the purposes of this FOA, NIAID defines a clinical trial as a prospective study of human subjects designed to answer questions about the safety and effectiveness of biomedical or behavioral interventions.

Amount: Not specified
LOI: Not specified
Deadline: Released August 6, 2009
To learn more: http://grants.nih.gov/grants/guide/notice-files/NOT-AI-09-051.html
Key Words: Immunology, Vaccines, Clinical Trial

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: Not specified
LOI: Not specified
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

NHLBI releases a new Broad Agency Announcement in FedBizOpps: Studying Community Programs to Reduce Childhood Obesity (NHLBI-BAA-HC-10-15)

NOT-HL-09-128
National Heart, Lung, and Blood Institute (NHLBI)
The National Heart, Lung and Blood Institute (NHLBI) is soliciting proposals from qualified organizations in response to Broad Agency Announcement (BAA) Number NHLBI-HC-10-15 entitled: Studying Community Programs to Reduce Childhood Obesity. One contract award will be made to a Research Coordinating Center (RCC) to support a nationwide scientific study of communities that will examine outcomes associated with characteristics of existing or new community programs and policies to reduce childhood obesity rates. Relevant programs and policies may address educational, behavioral, environmental, and/or other activities aimed at influencing energy balance in youth through diet and physical activity. The RCC will work in partnership with members of the National Collaborative on Childhood Obesity Research (NIH, Robert Wood Johnson Foundation, and CDC), to design and implement the research. The goal is to...
inform public-health practice and policy by identifying community approaches that may work best for reducing childhood obesity rates. The study will also help identify future research directions.

Amount:
LOI: BAA proposal receipt date: November 18, 2009
Deadline: Released August 28, 2011
To learn more: http://grants.nih.gov/grants/guide/notice-files/NOT-HL-09-128.html
Key Words: Childhood Obesity

Clarification of Specific Research Objective in PAR-09-224, Improving Diet and Physical Activity Assessment (R01)
NOT-CA-09-032
National Cancer Institute
National Heart, Lung, and Blood Institute
National Institute on Aging
Eunice Kennedy Shriver National Institute of Child Health and Human Development
National Institute of Diabetes and Digestive and Kidney Diseases
National Inst
Among the potential topics of research appropriate for PAR-09-224(Section I. Funding Opportunity Description, 1. Research Objectives), research projects related to biomarker-based validation of diet and physical activity measures, are explicitly encouraged. The following Specific Research Objective is included in this FOA:

Validate methods for measuring dietary and/or supplement intake or physical activity using appropriate reference instruments, including biomarkers, objective measures, or physiologic outcomes such as strength and fitness.

Biomarker based validation studies of newly developed Internet-based diet and physical activity assessment instruments in existing cohorts are highly encouraged. Biomarker studies of interest might include resting metabolic rate, total energy expenditure, body composition, fasting bloods, and 24-hour urines. Further comparisons of the Internet-based and conventional self-report instruments with newer biomarkers/instruments, including heart rate monitors, metabolomic profiles, and urinary markers of sugar and meat intake would be appropriate for this FOA. NIH has developed novel internet-based diet and physical activity recall instruments and new statistical techniques that combine data from the Internet-based tools with data from conventional instruments, self-reports, and biomarker studies. This FOA encourages cohorts that: 1) have access to clinical facilities for biomarker studies; and, 2) can administer conventional food frequency and physical activity questionnaires along with the new internet-based diet and physical activity recalls.

Large numbers of people from cohorts in diverse geographic areas and among different racial and ethnic groups are encouraged. Collaboration among cohorts is also encouraged. A white paper indicating the type of study design encouraged by NCI is available at: http://riskfactor.cancer.gov/tools/biomarker_validation_in_cohorts.pdf

No other aspects of this FOA are changed. The next due date for new applications is October 5, 2009. Please note that this FOA uses alternating cycle standard due dates.

Amount:
LOI:
Deadline: Released August 28, 2009
To learn more: http://grants.nih.gov/grants/guide/notice-files/NOT-CA-09-032.html
Key Words: PAR-09-224, Physical Activity Measures, Exercise, Biomarkers

Addendum to PAR-09-155 (R01), PAR-09-156 (R21) and PAR-09-154 (R03) Translational Research in Pediatric and Obstetric Pharmacology
NOT-HD-09-020
Eunice Kennedy Shriver National Institute of Child Health and Human Development
This addendum is to inform potential Applicants of additional Letter of Intent Receipt Dates for these 3 identical FOAs: PAR-09-155 (R01), PAR-09-156 (R21) and PAR-09-154 (R03) “Translational Research in Pediatric and Obstetric Pharmacology”.


All other aspects of these FOAs remain unchanged.

Amount:
LOI:
Deadline: Released August 7, 2009
To learn more: http://grants.nih.gov/grants/guide/notice-files/NOT-HD-09-020.html
Key Words: Pediatric Pharmacology, Obstetric Pharmacology

AHRQ Announces Intent to Publish Grant and Contract Solicitations for Comparative Effectiveness Research (CER) Projects with Funds from the American Recovery and Reinvestment Act (ARRA)
NOT-HS-09-009
Agency for Healthcare Research and Quality (AHRQ)
Center for Outcomes and Evidence

Funding Opportunity Announcements soliciting research grant applications for CER will provide $148 million for evidence generation. This includes $100 million for the Clinical and Health Outcomes Initiative in Comparative Effectiveness (CHOICE), a new, coordinated, national effort to establish a series of prospective pragmatic clinical comparative effectiveness studies that measure the benefits treatments produce in routine clinical practice and will include novel study designs focusing on real-world and under-represented populations (children, elderly, racial and ethnic minorities, and other understudied populations), and $48 million for the establishment or enhancement of national patient registries that can be used for researching the longitudinal effects of different interventions and collecting data on under-represented populations. Additional grant funding includes $29.5 million to support innovative translation and dissemination grants for CER, as well as $20 million to support training and career development in CER. Requests for Contracts for CER will provide $9.5 million to establish an infrastructure to identify new and/or emerging issues for comparative effectiveness review investments. Also, $10 million will establish a Citizen’s Forum to formally engage all stakeholders, and to expand and standardize public involvement in the entire Effective Health Care enterprise. Additionally, AHRQ anticipates supporting other grants ($1 million) and enhancing existing contracts for evidence synthesis ($50 million), evidence generation ($24 million), translation and dissemination ($5 million), and salary and benefits for ARRA-related full-time equivalent positions ($3 million).

Amount:
LOI:
Deadline: Released August 6, 2009
To learn more: http://grants.nih.gov/grants/guide/notice-files/NOT-HS-09-009.html

Key Words: ARRA Funds, Outcomes Research

Correction of Research Plan Page Limits for RFA-HS-10-008 -- AHRQ Developing Prospective Practice-based Comparative Effectiveness Research Clinical Registries: Orthopedic Devices, Drugs, and Procedures (P50)

NOT-HS-09-010
Agency for Healthcare Research and Quality
The research plan must be limited to 25 single spaced pages with font size 11 or greater

Amount:
LOI:
Deadline: Released August 6, 2009
To learn more: http://grants.nih.gov/grants/guide/notice-files/NOT-HS-09-010.html

Key Words: Orthopedic Devices, Registry

Alcohol, Drugs or Abuse and/or Smoking

Notice of Intent to Publish a Request for Applications for Cognitive Remediation Approaches to Improve Drug Abuse Treatment Outcomes (R01, R21)

New

NOT-DA-09-015
National Institute on Drug Abuse (NIDA)
The National Institute on Drug Abuse (NIDA) intends to publish a Request for Applications (RFA) to solicit research applications that develop cognitive remediation strategies that enhance substance use disorder (SUD) treatment outcomes. In particular, this RFA will encourage studies that investigate the potential relationship of pharmacological interventions and/or behavioral interventions in humans that may be able to produce cognitive remediation and improve the outcome of various SUD treatments. This notice is being provided to allow potential applicants sufficient time to develop meaningful collaborations and responsive projects. This RFA is expected to be published in December, 2009 with an expected receipt date in April, 2010. This RFA will utilize the R01 and R21 grant mechanisms.

Amount:
LOI:
Deadline: Released September 25, 2009
To learn more: http://grants.nih.gov/grants/guide/notice-files/NOT-DA-09-015.html

Key Words: Drug Abuse Treatment

Medications Development for Cannabis-Related Disorders (R01)

New

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 infused 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, 2009  
**Key Words:** Marijuana Abuse, Clinical Trials

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**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

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**Functional Genetics and Genomics of Drug Addiction (R01)**  
**PA-07-166**  
**NIH**

Genetic and genomic studies have identified genes and gene variants that potentially modulate the fundamental biological mechanisms underpinning addictive processes. Discovery of these genes/variants, while extremely valuable, is only a first step in understanding molecular mechanisms of addiction. This Funding Opportunity Announcement encourages basic functional genomic research in two areas: 1. functional validation to determine which candidate genes/variants have an authentic role in addictive processes, and 2. detailed elucidation of the molecular pathways and processes modulated by candidate genes/variants, particularly for those genes with an unanticipated role in addiction.

**Amount:** not specified  
**LOI:** N/R  
**Deadline:** multiple; see announcement, continuous through January 2010  
**To learn more:** [http://grants1.nih.gov/grants/guide/pa-files/PA-07-166.html](http://grants1.nih.gov/grants/guide/pa-files/PA-07-166.html)  
**Key Words:**

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**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  
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PAS-08-041.html](http://grants.nih.gov/grants/guide/pa-files/PAS-08-041.html)  
**Key Words:**

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**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: Genetic Epidemiology of Substance Use Disorders (R03)

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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: Jun 16, 2009
Key Words: Addictions, Alcohol or Alcoholism, Alcoholism Prevention, Genetics, Substance Abuse, Substance Abuse Prevention

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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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**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

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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

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**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 prerequisite 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](http://grants.nih.gov/grants/guide/pa-files/PA-09-146.html)

Key Words: Drug Use, Progression to Addiction

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**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
Notice of Intent to Publish a Request for Applications for 2010 NIDA Translational Avant-garde Award for Medication Development for Diseases of Addiction (DP1)
NOT-DA-09-014
National Institute on Drug Abuse (NIDA)
The National Institute on Drug Abuse (NIDA) intends to promote a new initiative, the 2010 NIDA Translational Avant-garde Award, by publishing a Request for Applications (RFA) to solicit applications for outstanding translational projects for the development of small molecules or biologics to address unmet medical needs for drug addiction treatments. Clinical indications may include substance use disorders stemming from tobacco, cannabis, cocaine, methamphetamine, or prescription opioid use or abuse. In contrast to proposals focusing solely on novel target discovery, new animal model generation, development and testing of human laboratory models or mechanistic studies of the neurobiology of addiction, the NIDA Translational Avant-garde Award applications are expected to be based on a robust body of background data in the basic sciences and discovery phases, and to be poised to transition from late drug discovery to pre-clinical and/or clinical phases of medication development. The FOA is expected to be published on or before December 2009 with an expected receipt date in April 2010. This FOA will utilize the two-tiered review process using the X02 and DP1 application mechanisms.

Amount: LOI: N/R
Deadline: Released September 11, 2009
To learn more: [Link](http://grants.nih.gov/grants/guide/notice-files/NOT-DA-09-014.html)
Key Words: Substance Abuse, Neurobiology of Addiction, Treatment

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: [Link](http://grants.nih.gov/grants/guide/notice-files/PA-09-105.html)
Key Words: Addictions, Treatment Program Evaluation

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
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  
**Key Words:** CTSA, Epidemiology, Drug Abuse Treatment

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**The National Drug Abuse Treatment Clinical Trials Network (U10)**  
RFA-DA-10-009  
National Institute on Drug Abuse (NIDA)  
This Funding Opportunity Announcement (FOA) from the National Institute on Drug Abuse (NIDA) announces a competition for new cooperative agreement applications and cooperative agreement renewal applications from established clinical investigators to participate in the National Drug Abuse Treatment Clinical Trials Network (CTN). As a nation-wide partnership for translational research among addiction treatment providers, researchers, and NIDA staff, the CTNs mission is to test and validate effective and efficient treatments that can be adopted by addiction treatment providers throughout the Nation, using science as the vehicle. The CTN provides an enterprise in which community-based addiction service providers, other health practitioners working with patients that have addiction problems, addiction treatment researchers, and NIDA cooperatively develop, validate, refine, and deliver new treatment options for patients in community-level clinical practice.

**Amount:** $3,750,000  
**LOI:** October 2, 2009  
**Deadline:** November 2, 2009  
**Key Words:** Addiction Treatment

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**International Research Collaborations on HIV/AIDS and Drug Use (R01)**  
RFA-DA-10-008  
National Institute on Drug Abuse (NIDA)  
This program fosters research related to biomedical and clinical science, epidemiology, prevention, and treatment of HIV/AIDS associated with drug use. The FOA seeks to foster international research collaborations with a regional geographic focus that take advantage of populations, resources, talent, or environmental/contextual conditions outside the U.S. that offer special opportunities to advance scientific knowledge.

**Amount:** $1,750,000  
**LOI:** October 18, 2009  
**Deadline:** November 18, 2009  
**Key Words:** HIV/AIDS, Drug Abuse

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**Targeted Library Synthesis and Screening at Novel Targets for Potential Drug Addiction Treatments and Research Tools (R21/R33)**  
RFA-DA-10-005  
National Institute on Drug Abuse (NIDA)  
This Funding Opportunity Announcement (FOA) issued by the National Institute on Drug Abuse (NIDA), National Institutes of Health, solicits research applications from institutions/organizations that propose to promote the discovery of novel medications through the use of targeted library synthesis and screening for drug addiction treatment, as well as the discovery of CNS-active research tools for medication target validation in animal models of drug addiction.

**Amount:** $1,250,000  
**LOI:** November 4, 2009  
**Deadline:** December 4, 2009  
**Key Words:** Drug Addiction, Treatment, Novel Medications

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**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  
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PAR-09-222.html](http://grants.nih.gov/grants/guide/pa-files/PAR-09-222.html)  
**Key Words:** Drug Abuse, Addictions

### 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  
**Key Words:** Fetal Maternal Health, Substance Abuse

### Medications Development for Polydrug Addiction Treatment

**[(R01) PAS-08-186] and [(R21) PAS-08-187]**  
**PAS-08-186 and PAS-08-187**  
**National Institute on Drug Abuse**  
The National Institute on Drug Abuse (NIDA) is seeking medication discovery and development research grant applications focused on the treatment of patients who are simultaneously addicted to multiple substances, including alcohol, tobacco, illicit drugs and/or prescription drugs. Novel proposals for clinical or preclinical testing of potential medications, as well as relevant animal model development and medicinal chemistry efforts are encouraged.

**Amount:** $2,500,000  
**LOI:** N/R  
**Deadline:** standard dates apply  
**Key Words:** Drug Abuse, Drug Development

### 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](http://grants.nih.gov/grants/guide/pa-files/PAR-08-145.html)  
**Key Words:**

### Mechanisms of Alcohol-Induced Tissue Injury (R01)
The National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Heart Lung and Blood Institute (NHLBI), National Institutes of Health (NIH) solicits 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


**Key Words:** Alcohol, Tissue Damage, Alcohol Disease

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The 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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**Drug Abuse Aspects of HIV/AIDS**

**[R01]PAS-07-324** and **[R03]PAS-07-326** or **[R21]PAS-07-325**

**PAS-07-324** and **PAS-07-326** or **PAS-07-325**

**National Institute on Alcohol Abuse and Alcoholism (NIAAA)**

This program announcement is intended to stimulate model-driven research that will increase understanding of how drugs of abuse or processes of addiction influence decisions about high-risk sexual behavior, thereby enhancing vulnerability for acquiring or transmitting HIV. Research supported by this announcement will emphasize interdisciplinary studies that incorporate approaches from psychology, economics, anthropology, sociology, decision sciences, neuroscience, and computational modeling. Hypothesis-driven research and modeling approaches that can guide empirical testing are encouraged. The study of decisions to engage in risky sexual behavior must be clearly the central focus of the proposed research.

**Amount:** varies

**LOI:** N/R

**Deadline:** Standard dates apply


**Key Words:** AIDS (Substance Abuse), HIV

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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
Research on Alcohol and HIV/AIDS

[(R01) PA-07-028]

PA-07-028
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Institutes of Health, solicits Research Project Grant (R01) applications from institutions/organizations that propose to identify and characterize the role of alcohol, drinking behaviors, and drinking environments in the epidemiology and natural history, pathogenesis, prevention, treatment and control of HIV/AIDS.

Amount: varies
LOI: N/R
Deadline: standard dates apply (Sep 07, 2009)
Key Words: AIDS, AIDS (Substance Abuse), Alcohol or Alcoholism, Alcoholism Prevention, Alcoholism Treatment, Drug Abuse Prevention, Drug Abuse Treatment, Drugs or Drug Abuse, HIV, Substance Abuse, Substance Abuse Prevention, Substance Abuse Treatment

Core Alcohol Research Centers (P30), (P50) and (P60)

RFA-AA-10-002 and RFA-AA-10-003 and RFA-AA-10-004
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
The National Institute on Alcohol Abuse and Alcoholism (NIAAA) invites applications for Resource Core Center awards using the NIH P30 funding mechanism to support environments in which basic and applied scientists can assemble to develop a collaborative transdisciplinary alcohol research program. The NIAAA P30 mechanism provides funding for centralized resources and facilities shared by alcohol research investigators. Resource Core Alcohol Research Centers will enrich the effectiveness of ongoing research and promote new research directions. The purpose of this program is to provide resources to foster interdisciplinary, collaborative research on a wide variety of topics relevant to the Institute’s mission. These topics include, but are not limited to: the nature, etiology, genetics, diagnosis, treatment, and prevention of alcohol use disorders and their biomedical, psychosocial, and economic consequences across the lifespan. Resource Core Centers are expected to act as regional or national resources in their area of expertise and to actively develop research collaborations with outside investigators, as well as provide the means to develop novel research ideas and encourage investigators via pilot projects.

Mechanism of Support. This FOA will utilize the Resource Core Alcohol Research Centers (P30) grant mechanism and runs in parallel with two related FOAs: Specialized Alcohol Research Centers (P50) (RFA-AA-10-003), and Comprehensive Alcohol Research Centers (P60) (RFA-AA-10-004).

Amount: up to $10,000,000
LOI: November 2, 2009
Deadline: December 2, 2009
Key Words: Alcohol Research

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, expires January 2011
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/actual-files/PA-08-007.html](http://grants.nih.gov/grants/guide/actual-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: Mouse Models Containing Human Alleles: Novel Tools to Study Brain Function (R21/R33)

PAR-08-158
National Institute of Mental Health
National Institute on Aging
National Institute on Alcohol Abuse and Alcoholism
National Institute on Drug Abuse
This Funding Opportunity Announcement invites Phased Innovation (R21/R33) grant applications from organizations/institutions that propose the development and characterization of novel mouse models that express human genes or human genetic elements that can aid in understanding the molecular mechanisms underlying brain function and the physiological function/significance of gene variants and gene dosage abnormalities that have been identified as possibly being involved in mental disorders, addiction, neurodegenerative disorders of aging, and alcoholism as well as related comorbid conditions.
Amount: $150,000
LOI: 30 days prior to application receipt date
Deadline: Multiple dates (January 28, 2010; May 28, 2010; January 28, 2011)
Key Words: NIH Small Research Grant Program (Parent R03)

PA-09-163
National Human Genome Research Institute (NHGRI)
National Institute on Drug Abuse (NIDA)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Allergy and Infectious Diseases (NIAID)
National Institute 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
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

The Human Connectome Project (U54)
RFA-MH-10-020
National Institutes of Health (NIH), multiple organizations
This Funding Opportunity Announcement (FOA) is issued as an initiative of the NIH Blueprint for Neuroscience Research. The Neuroscience Blueprint is a collaborative framework through which 16 NIH Institutes, Centers and Offices jointly support neuroscience-related research, with the aim of accelerating discoveries and reducing the burden of nervous system disorders (for further information, see http://neuroscienceblueprint.nih.gov/). The overall purpose of this five year Human Connectome Project (HCP) is to develop and share knowledge about the structural and functional connectivity of the human brain. This purpose will be pursued through the following specific efforts: Existing, but cutting-edge, non-invasive imaging technologies will be optimized and combined to acquire structural and functional in vivo data about axonal projections and neural connections from brains of hundreds of healthy adults. Demographic data and data regarding sensory, motor, cognitive, emotional, and social function will also be collected for each subject, as will DNA samples and blood (to establish cell lines). Models to better understand and use these data will be developed. Connectivity patterns will be linked to existing architectonic data.
Amount: $30,000,000
LOI: October 24, 2009
Deadline: November 24, 2009
To learn more: http://grants.nih.gov/grants/guide/rafiles/RFA-MH-10-020.html
Key Words: Non-invasive Imaging, Neural Connections, Cell Lines

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

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:

Structural Biology of Membrane Proteins (R01)

PA-07-253
National Institute of General Medical Sciences (NIGMS)
National Institute on Aging (NIA)
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)
National Cancer Institute (NCI)
National Institute on Deafness and Other Communication Disorders

This Funding Opportunity Announcement (FOA) solicits grant applications to develop research and methods to enhance the rate of membrane protein structure determination and to determine specific membrane protein structures. Innovative methods for expression, oligomerization, solubilization, stabilization, purification, characterization, crystallization, isotopic labeling, and structure determination of unique and biologically significant membrane proteins by x-ray diffraction, nuclear magnetic resonance (NMR), electron microscopic, mass spectrometry, and other biophysical techniques are encouraged. Projects that will lead in the near term to determining the structures of biologically important membrane proteins are also encouraged.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Membrane Protein Structure, Crystallization, X-ray Diffraction, NMR, Mass Spectrometry

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; December 21, 2011; April 20, 2011; August 21, 2011
Deadline: January 21, 2010; 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, 2009; September 28, 2010; September 28, 2011
Deadline: October 28, 2009; October 28, 2010; October 28, 2011

Key Words: Cancer Center, Imaging

**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

**Bioinformatics**

**Secondary Analyses of Existing Data Sets and Stored Biospecimens to Address Clinical Aging Research Questions (R01)**
*New*
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
The Role of Healthcare and Insurance in Improving Outcomes in Cancer Prevention, Early Detection and Treatment

New
American Cancer Society (ACS)
The American Cancer Society invites applications that investigate the impact of healthcare costs, healthcare system and capacity, insurance status, social factors and delivery of health care services, on outcomes in cancer prevention, early detection and treatment.
Amount: unspecified
LOI: N/R
Deadline: October 15, 2009
To learn more: http://a676.g.akamaitech.net/f/676/773/90m/images.m0.net/cm50content/19439/9218/HP_RFA_July_2009.pdf
Key Words: SEER, Medicare payment data, State data and NCHS data

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

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

Methodology, Measurement, and Statistics (MMS)
NSF 08-561
NSF
The MMS Program seeks proposals that are methodologically innovative, grounded in theory, and have potential utility for multiple fields within the social, behavioral, and economic sciences. Successful proposals often integrate across the following areas: The development, application, and extension of formal models and methodology for social and behavioral research, including methods for improving measurement. The proposed research must have implications for one or more of the social and behavioral sciences. The development of formal models that cross traditional disciplinary boundaries, including research on statistical methodology or statistical modeling having direct implications for one or more of the social and behavioral sciences. Research on methodological aspects of new or existing procedures for data collection, including methodology for survey research, and research to evaluate or compare existing data bases and data collection procedures. The collection of unique databases with cross disciplinary implications, especially when paired with developments in measurement or methodology. The organizational infrastructure of social and behavioral research.
Amount: varies
LOI: N/R
Deadline: August 16, annually; January 16, annually
To learn more: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08561
Key Words: Statistical Surveys, Mental Health Assessment
Perception, Action & Cognition
PD 03-7252
NSF
Supports research on perception, action and cognition including the development of these capacities. Emphasis is on research strongly grounded in theory. Research topics include vision, audition, haptics, attention, memory, reasoning, written and spoken discourse, motor control, and developmental issues in all topic areas. The program encompasses a wide range of theoretical perspectives, such as symbolic computation, connectionism, ecological, nonlinear dynamics, and complex systems, and a variety of methodologies including both experimental studies and modeling. Research involving acquired or developmental deficits is appropriate if the results speak to basic issues of perception, action, and cognition.
Amount:  unspecified
LOI:  N/R
Deadline:  January 15, Annually
To learn more:  http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5686
Key Words:  Cognition, Vision, Attention, Memory

NLM Express Research Grant in Biomedical Informatics (R01)
PAR-08-080
NIH, NLM (National Library of Medicine)
The National Library of Medicine supports research grants that advance the sciences of biomedical informatics and bioinformatics. Informatics is concerned with the optimal management of information, and in practice is usually located at the intersection of computer and information sciences with an application domain such as health care, public health, basic biomedical research or clinical translational research.
Amount:  varies
LOI:  N/R
Deadline:  multiple dates, see announcement
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PAR-08-080.html
Key Words:

Continued Development and Maintenance of Software (R01)
PAR-08-010
NIH, Multiple Institutes and Centers
Biomedical research laboratories increasingly undertake a software development project to solve a problem of interest specifically related to that laboratory. These software packages sometimes become useful to a much broader community of users that can include translational and clinical researchers. The goal of this program announcement is to support the continued development, maintenance, testing and evaluation of existing software. The proposed work should apply best practices and proven methods for software design, construction, and implementation to extend the applicability of existing biomedical informatics/computational biology software to a broader biomedical research community.
Amount:  $250,000
LOI:  N/R
Deadline:  Multiple, see announcement
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PAR-08-010.html
Key Words:

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

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

Innovations in Biomedical Computational Science and Technology (R01)

The NIH is interested in promoting research and developments in biomedical informatics and computational biology that will support rapid progress in areas of scientific opportunity in biomedical research. As defined here, biomedical informatics and computational biology includes database design, graphical interfaces, querying approaches, data retrieval, data visualization and manipulation, data integration through the development of integrated analytical tools, and tools for electronic collaboration, as well as computational and mathematical research including the development of structural, functional, integrative, and analytical computational models and simulations.

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

Predictive Multiscale Models of the Physiome in Health and Disease (R01)

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 December 14, 2009; and April 14 and August 16, 2010

Archiving and Development of Social-behavioral Datasets in Aging Related Studies (R03)

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/PA-08-199.html
Key Words:  Bioinformatics, DNA Sequencing, Genomics, Mental Disorders

Deep Sequencing and Haplotype Profiling of Mental Disorders (Collaborative R01)
PA-08-198
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/PA-08-198.html
Key Words:  Bioinformatics, DNA Sequencing, Genomics, Mental Disorders

Short Courses on Mathematical, Statistical, and Computational Tools for Studying Biological Systems (R25)
PA-09-002
National Institute of General Medical Sciences (NIGMS)
National Center for Complementary and Alternative Medicine (NCCAM)
National Institute on Aging (NIA)
National Institute of Mental Health
This FOA issued by the National Institute of General Medical Sciences, the National Center for Complementary and Alternative Medicine, the National Institute on Aging and the National Institute of Mental Health encourages applications for Research Education Grants (R25) from institutions and organizations to conduct workshops and short courses to improve integration of mathematical, statistical, and computational approaches into biological and/or behavioral research. Support will be limited to activities that reach a wide audience of researchers. The program announcement is NOT intended for university course or curriculum development.

Amount:  $1,000,000
LOI:  N/R
Deadline:  standard dates apply
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PA-09-002.html
Key Words:  Statistical Analysis, Behavioral Research, Computational Analysis
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

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

Cancer Intervention and Surveillance Modeling Network (CISNET) (U01)
RFA-CA-09-025
National Cancer Institute (NCI)
Through this funding opportunity announcement (FOA), the National Cancer Institute (NCI) solicits applications for the Cancer Intervention and Surveillance Modeling Network (CISNET). The goal of CISNET is to use simulation and other modeling techniques (a) to understand the impact of cancer control interventions (i.e., screening, treatment, prevention) on national trends in cancer rates, and (b) to inform national/regional/local decisions on the most efficient utilization of existing and emerging technologies and strategies for the control of cancer. This FOA expands CISNET efforts focused on four cancer sites (prostate, lung, colorectal, breast) and will also cover two additional sites (cervical and esophageal cancer). Expansion into new areas of modeling (identified in the FOA) is also encouraged. This FOA will support collaborative, interactive projects involving groups of researchers that would put forward a program of comparative modeling, as well as to allow coverage across the important cancer control issues and relevant specific focus areas for the selected organ site. Investigators may propose the application, extension, and/or merging of existing models. However, de novo model development will NOT be supported. Because of the requirement of conducting cross-model comparisons (i.e. comparative modeling) and coverage of a broad range of cancer control issues, it is expected that each award will support between approximately 2 and 5 modeling groups working together. This FOA is an open competition for all qualified investigators, irrespective of their previous involvement in the CISNET program.
Amount: $6,500,000
LOI: October 3, 2009
Deadline: November 3, 2009
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-09-025.html
Key Words: Cancer Modeling, Cross-Model Comparisons, Cancer Control

Population Research Infrastructure Program (PRIP) FY10 (R24)
RFA-HD-09-004
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
This Funding Opportunity Announcement (FOA) solicits grant applications that propose to provide infrastructure support in order to foster and enhance the research capabilities of established population research centers that are highly productive and influential in the areas of research within the mission of the Demographic and Behavioral Sciences Branch (DBSB), Center for Population Research NICHD. The Population Infrastructure Program (PRIP) allows three types of research infrastructure support: Research Support Cores;
Developmental Infrastructure Cores; and Public Infrastructure Cores. This FOA allows for two types of applications: (1) Standard PRIP Applications, which request funding for Research Support Cores and/or Developmental Infrastructure Cores, and may also request funding for Public Infrastructure Cores; and (2) Public Infrastructure Only Applications, which request funding only for Public Infrastructure Core(s).

**Amount:** $3,750,000  
**LOI:** October 24, 2009  
**Deadline:** November 24, 2009  
**Key Words:** Population Research

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**Resource Program Grants in Bioinformatics (P41)**  
PAP-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  
**Key Words:** Bioinformatics

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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 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 paper considered on a rolling basis  
**Deadline:** February 28, 2010  
To learn more: [https://www.fbo.gov/download/c41/c418c2c7574e9672594ff3f76eba6a2a/BAA09-07@dhs.gov.pdf](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

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HDTRA1-08-10-BRCWMD-BAA  
Defense Threat Reduction Agency  
This announcement solicits Proposals for long-term challenges in specific fundamental areas of Basic Research that offer a significant contribution to the current body of knowledge or further the understanding of phenomena and observable facts and may have impact on future capabilities that support the DTRA and JSTO-CBD missions.  
Determinants of Antimicrobial Resistance and Persistence in Bacterial Strains  
Dual Use Basic Science for Bio Defense Drug Design and Delivery of Novel Therapeutics  
Interrogation of Biological Response to Acute Ionizing Radiation Exposure  
Mechanisms of Molecular Recognition  
New Concepts in Nano-scale Chemical and Biological Sensing  
New Concepts in Spectroscopic Methods for Molecular Recognition  
Signatures of Laboratory-Grown Bio-Agents

**Amount:** varies  
**LOI:** White Paper Deadlines: November 2, 2009, May 12, 2010
AHRQ Developing Prospective Practice-based Comparative Effectiveness Research Clinical Registries: Orthopedic Devices, Drugs, and Procedures (P50)

RFA-HS-10-008

Agency for Healthcare Research and Quality

AHRQ invites applications to develop a prospective clinical registry of orthopedic devices, drugs, and procedures through a practice-based research collaborative and clinical and outcomes data resource (P50 grant mechanism). The goal of this registry initiative is to support the development of a sustainable data infrastructure and to conduct rigorous clinical and scientific research including comparative effectiveness and safety research. AHRQ envisions utilizing a practice based orthopedic registry across a broad provider network as one of the potentially most effective and productive approaches to develop scientific evidence regarding the short and long term benefits and harms of implantable orthopedic devices and other related services. The registry will be a model and basis for other national device and procedure registries and will actively disseminate study results into clinical practice.

Amount: $12,000,000
LOI: September 4, 2009
Deadline: September 23, 2009

To learn more: [Link](http://grants.nih.gov/grants/guide/rfa-files/RFA-HS-10-008.html)

Key Words: Orthopedic Devices, Registry

Biomedical Technology

Annual Phase I Small Business Innovation Research (SBIR)
Small Business Technology Transfer (STTR)

New

DE-FOA-0000161

U.S. Department of Energy (DOE)

The objectives of these programs include increasing private sector commercialization of technology developed through DOE-supported research and development (R&D), stimulating technological innovation in the private sector, and improving the return on investment from Federally-funded research for economic and social benefits to the nation. DOE will support high-quality research or R&D on advanced concepts concerning important mission-related scientific or engineering problems and opportunities that are likely to lead to significant public benefit from promising research. An important goal of these programs is the commercialization of DOE-supported research or R&D. Following the start of Phase I, awardees whose research or R&D has identifiable potential to meet market needs are encouraged to seek commitments from private sector or Federal non-SBIR/STTR funding sources for both Phases II and III.

Amount: $100,000
LOI: N/R
Deadline: November 20, 2009

To learn more: [Link](http://www.science.doe.gov/sbir/solicitations/FY%202010/C30_Notice.htm)

Key Words: SBIR, STTR

Notice of Intent to Publish a Program Announcement for Countermeasures Against Chemical Threats (CounterACT) Exploratory/Developmental Projects in Translational Research (R21)

New

NOT-NS-09-018

National Institute of Neurological Disorders and Stroke (NINDS)

The National Institute of Neurological Disorders and Stroke (NINDS) intends to issue a Program Announcement with Special Referral Considerations (PAR) in the fall of 2009 to provide support for exploratory and developmental translational research on therapeutics for reducing mortality and morbidity caused by acute exposures to chemical threat agents. Chemical threat agents are toxic chemicals that could be released by a deliberate terrorist attack against civilians, or by accident or natural disaster causing mass casualties. The NIH CounterACT Research Program supports basic, translational, and clinical research aimed at the discovery and/or identification of better therapeutic medical countermeasures against chemical threat agents, and facilitates their movement through the regulatory process (www.ninds.nih.gov/counteract).

Amount:
LOI:
Deadline: Released September 22, 2009

To learn more: [Link](http://grants.nih.gov/grants/guide/notice-files/NOT-NS-09-018.html)
Functional Modeling of Pediatric Upper Airway Disorders (R01)

**New**

RFA-HL-10-017

National Heart, Lung, and Blood Institute (NHLBI)

The National Heart, Lung, and Blood Institute (NHLBI) solicits grant applications from institutions/organizations to participate in a new NHLBI program on Functional Modeling of Pediatric Upper Airway Disorders. The objective is to identify the biological and structural components limiting airflow in congenital or acquired disorders of the pediatric upper airway (infant to adolescent). The ultimate goal is to develop novel approaches that will identify targets for intervention to correct obstruction of airflow through the upper airway. This program will require collaborations among experts in computational modeling (mathematicians/bioengineers) with clinician scientists (e.g. pulmonologists, otolaryngologists, craniofacial surgeons, and/or radiologists). Use of the multiple PI mechanism is encouraged. Only human studies will be supported.

Amount: $2,600,000

LOI: December 14, 2009

Deadline: January 12, 2009


Key Words: Pediatric, Airway Management, Computational Modeling, bioengineering

SRU'S Label-Free Technology Research Grants

SRU Biosystems, Inc

SRU is dedicated to making quality label-free technology accessible to every laboratory. The power of label-free technology has been demonstrated across a broad set of applications in the pharmaceutical and biotech industries. However, the technology offers further possibilities through new and enabling applications in the academic community. We hope to encourage this development through our Label-Free Technology Grant program and assist researchers in answering their own unique scientific questions using the label-free BIND platform. While SRU scientists continue to expand our ever-growing list of cellular and biochemical applications, our customers will push BIND technology into new scientific areas.

Amount: BIND label-free detection system

LOI: November 20, 2009

Deadline: Multiple, see announcement

To learn more: [http://www.srubiosystems.com/grants/](http://www.srubiosystems.com/grants/)

Key Words: SRU Technology

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: 

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:**

**Phase I & II Nebraska EPSCoR University-Industry R&D**

**Nebraska EPSCoR**

Nebraska EPSCoR's University-Industry R&D Partnership Program is a cost-share program intended to foster new partnerships or strengthen existing partnerships between faculty of Nebraska research universities and state industries. This program will subsidize a portion of the cost of an industry R&D project when a faculty member is contracted by the industry to participate in the project. Proposals will be selected on a competitive basis. The R&D partnership program supports two types of proposals, Phase I and Phase IT proposals. The Phase I proposal is intended for new partnerships and the Phase IT proposal is intended for more mature partnerships.

**Amount:** 50% of direct costs

**LOI:** pre-proposals due February 8, 2010

**Deadline:**

To learn more: [http://epscor.unl.edu](http://epscor.unl.edu)

**Key Words:** Technology

**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
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

Small Business Technology Transfer Program Phase I Solicitation FY-2010 (STTR)
NSF-09-605
National Science Foundation (NSF)
The small business programs stimulate technological innovation in the private sector by strengthening the role of small business concerns in meeting Federal research and development needs, increasing the commercial application of federally supported research results, and fostering and encouraging participation by socially and economically disadvantaged and women-owned small businesses. The Small Business Technology Transfer Program (STTR) requires researchers at universities and other research institutions to play a significant intellectual role in the conduct of each STTR project. These university-based researchers, by joining forces with a small company, can spin-off their commercially promising ideas while they remain primarily employed at the research institution.
Amount: $150,000
LOI: N/R
Deadline: November 17, 2009
Key Words: STTR, Technology Transfer

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

Exploratory/Developmental Bioengineering Research Grants (EBRG) [R21]
PA-06-418
National Institutes of Health (NIH), multiple institutes
This Funding Opportunity Announcement (FOA) is intended to encourage innovation and high impact research. While minimal or no preliminary data are expected to be described in the application, applications should clearly indicate the significance of the proposed work and that the proposed research and/or development is scientifically sound, that the qualifications of the investigators are appropriate, and that resources available to the investigators are adequate. Participating Institutes and Centers of the NIH invite applications for Exploratory/Developmental Bioengineering Research Grants (EBRG) to support innovative, high risk/high impact bioengineering research in new areas that may have minimal or lack preliminary testing or development.
An EBRG application may propose hypothesis-driven, discovery-driven, developmental, or design-directed research. The research proposed under this program can explore approaches and concepts new to a particular substantive area; research and development of new technologies, techniques or methods; or initial research and development of data upon which significant future research may be built.

**Amount:** $275,000  
**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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**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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**2010 NIH Director's New Innovator Award Program (DP2) and (DP1)**  
**RFA-RM-09-011 and RFA-RM-09-010**  
National Institutes of Health (NIH)  
The NIH Director’s New Innovator (DP2) Award program was created in 2007 to support a small number of early stage investigators of exceptional creativity who propose bold and highly innovative new research approaches that have the potential to produce a major impact on broad, important problems in biomedical and behavioral research. The New Innovator Awards complement ongoing efforts by NIH and its Institutes and Centers to fund early stage investigators through R01 grants, which continue to be the major sources of NIH support for early stage. The NIH Director’s New Innovator Award Program is a High-Risk Research initiative of Research Teams of the Future.

**Amount:** $1,500,000  
**LOI:** N/R  
**Deadline:** October 27, 2009  
**Key Words:** Biomedical, Behavioral Research

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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  
**LOI:** Nonrequired letters of intent are due by December 14, 2009; and April 14 and August 16, 2010  
**Deadline:** January 14, May 14, and September 15, 2010  
**To learn more:** [http://grants1.nih.gov/grants/guide/pa-files/PAR-08-023.html](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
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

Exceptional, Unconventional Research Enabling Knowledge Acceleration (EUREKA) (R01)
RFA-GM-10-009
National Institute of General Medical Sciences (NIGMS)
National Cancer Institute (NCI)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Dental and Craniofacial Research (NIDCR)
National Institute on Deafness and Other Communication Disorders (NICD)
This FOA solicits Research Project Grant (R01) applications from institutions/organizations proposing exceptionally innovative research on novel hypotheses or difficult problems, solutions to which would have an extremely high impact on biomedical or biobehavioral research that is germane to the mission of one or more of the participating NIH Institutes. This FOA is for support of new projects, not continuation of projects that have already been initiated. It does not support pilot projects, i.e., projects of limited scope that are designed primarily to generate data that will enable the PI to seek other funding.
Amount: $800,000
LOI: N/R
Deadline: November 24, 2009
Key Words: Novel, High Impact

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

Consortia for High-Throughput-Enabled Structural Biology Partnerships (U01)
RFA-GM-10-007
National Institute of General Medical Sciences (NIGMS)
This FOA solicits proposals to establish partnerships between researchers interested in a biological problem of significant scope and researchers providing high-throughput structure determination capabilities through the NIGMS PSI: Biology network. Applicants to this FOA should propose work to solve a substantial biological problem for which the determination of many protein structures is necessary. The proteins should be amenable to high-throughput structure determination and/or should provide suitable targets to motivate new technology development.
Amount: $7,500,000
LOI: September 28, 2009
Notice of Availability of Serum Samples and Research Support for Validation of Hepatocellular Carcinoma (HCC) Biomarkers  
NOT-DK-09-016  
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)  
NIDDK in collaboration with National Cancer Institute through its Early Detection Research Network announces the availability of serum samples and research funds for validation of biomarkers for hepatocellular carcinoma among study participants in the Hepatitis C Antiviral Long-Term Treatment against Cirrhosis (HALT-C) trial.  
Amount:  
Deadline:  Released August 20, 2009  
To learn more:  http://grants.nih.gov/grants/guide/notice-files/NOT-DK-09-016.html  
Key Words: Biomarkers, Hepatocellular Carcinoma

Increasing the Service Life of Dental Resin Composites (R01) and (R21)  
RFA-DE-10-004 and RFA-DE-10-005  
National Institute of Dental and Craniofacial Research (NIDCR)  
The long term goal of this initiative is to increase the service life of dental resin composite restorations. The objective of this initiative is to better understand how degradation due to either physical and environmental factors and/or the composition of dental resin composites interacting with the biofilm in the oral cavity facilitates the development of secondary decay. This initiative will stimulate multidisciplinary research to develop methods to assess the clinical success of dental resin composite materials as a restorative material, and encourage research for improving this material and/or for the development of new restorative materials.  
Amount: $1,000,000  
LOI:  December 4, 2009  
Deadline:  January 4, 2010  
Key Words: Dental Resin, Composites, Biofilm Interactions

Partnerships for Biodefense Food- and Water-borne Diseases (R01)  
RFA-AI-09-027  
National Institute of Allergy and Infectious Diseases (NIAID)  
This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH) invites research applications for projects that support development of therapeutics, immunotherapeutics, medical diagnostics and broad-spectrum vaccines for NIAID Category B food- and water-borne priority pathogens and toxins.  
Amount: varies  
LOI:  August 24, 2009  
Deadline:  September 23, 2009  
To learn more:  http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-027.html  
Key Words: Food and Water Borne Pathogens

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:** Not Required

**Deadline:** Standard dates apply


**Key Words:** Small Grants

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### New Technologies for Transient Molecular Complex Characterization (STTR [R41/R42])

**PA-08-111**

National Center for Research Resources (NCRR)

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:** Not Required

**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:**

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### 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:** Not Required

**Deadline:** September 22, 2009, September 22, 2010, September 22, 2011


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

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### Centers of Biomedical Research Excellence (COBRE) Phase III: Transitional Centers [P30]

**RFA-RR-09-005**

National Center for Research Resources (NCRR)

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

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

**LOI:** Not Required

**Deadline:** September 22, 2009


**Key Words:** Infrastructure, COBRE
Defense Medical Research and Development Program Applied Research and Advanced Technology Development Award
W81XWH-09-DMRDP-ARATDA
Dept. of the Army -- USAMRAA
The DMRDP Applied Research and Advanced Technology Development Award is being offered for the first time in FY10. These awards are intended to provide support for research that is designed to advance state-of-the-art solutions for world class medical care with an emphasis on post-traumatic stress disorder (PTSD), TBI, prosthetics, restoration of eye sight and advancing eye care, and other conditions directly relevant to the injuries our service members are currently receiving on the battlefield, as well as the capability needs of the JFHP CONOPS. DMRDP efforts will assess scientific and/or military field deployment feasibility of promising new products, pharmacologic agents (drugs and biologics), behavioral and rehabilitation interventions, diagnostic and therapeutic devices, clinical guidance, supporting medical information and training systems, and/or emerging approaches and technologies. These awards are expected to yield potential health products, approaches, or technologies positioned for human testing. Awards under this announcement will consist solely of assistance agreements. This award is focused on applied research, defined as work that refines concepts and ideas into potential solutions with a view toward evaluating technical feasibility, and advanced technology development, defined as development of candidate solutions and components of early prototype systems up to the point where test and evaluation can be conducted in human trials or other relevant operational environments. Awards may support human studies but may not be used to support clinical trials. Awards may not be used to support fundamental basic research.
Amount:  $970,000
LOI:  N/R
Deadline:  December 18, 2009
To learn more:  http://www.grants.gov/search/search.do?mode=VIEW&oppId=49231
Key Words:  TBI, Polytrauma, Hemorrhage Control, Tissue Viability, Blood Substitutes, Maxillofacial Injury

International Research in Homeland Security Science & Technology Mission Areas
DHS-09-ST-108-001
Department of Homeland Security
Office of Procurement Operations - Grants Division
Focus of the research for this announcement:  International science and technology efforts, from basic research through proof-of-concept evaluations in support of at least one of the S&T Directorate’s six Divisions (Explosives; Chemical and Biological; Command, Control, and Interoperability; Borders and Maritime Security; Human Factors; and Infrastructure and Geophysical). 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
• Non-intrusive container monitoring
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; • National-scale detection architectures and strategies to address outdoor, indoor (e.g., highly trafficked transportation hubs) and critical infrastructure; • Consequence assessments of attacks on chemical facilities and Chem/Bio 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:  $1,400,000
LOI:  N/R
Deadline:  September 29, 2009
To learn more:  http://www07.grants.gov/search/downloadAtt.do;jsessionid=JL9c4BJ37x0SygdkMwTp4Nf7GJHxyyJxG98Zdv1k2Gds1MSpp313!440819768?flag2006=false&attId=29664
Key Words:  Biological Agent, Early Detection, BioAssays

Lung Cancer Biospecimen Resource Network (LCBRN) Award
W81XWH-09-LCRP-LCBRNA
Department of Defense (DOD) Congressionally Directed Medical Research Programs (CDMRP)
The LCBRN award is intended to provide infrastructure support for the development of a lung cancer biospecimen resource that will facilitate the collection, processing, annotation, storage, and distribution of high-quality human lung cancer biospecimens through a collaborative network across multiple institutions. The LCBRN will consist of a Coordinating Center that will also function as a biospecimen resource site and a minimum of two additional Biospecimen Resource Sites that will be jointly responsible for developing the biospecimen resource network for lung cancer research. The Coordinating Center and Biospecimen Resource Sites must submit a single application. The proposed LCBRN must collect, process, annotate, store, and distribute human lung cancer biospecimens that support two or more of the Areas of Emphasis listed below:

* Identification or development of non-invasive or minimally invasive tools to improve the detection of the initial stages of lung cancer.
* Identification and development of tools for screening or early detection of lung cancer. Screening may include, but is not limited to, computed tomography scans, X-rays, other imaging, biomarkers, genetics/genomics/proteomics, and assessment of risk factors.
* Understanding the molecular mechanisms that lead to clinically significant lung cancer.
* Identification of the mechanisms that lead to the development of the various types of lung cancer.
* Understanding predictive and prognostic markers to identify responders and non-responders.
* Understanding acquired resistance to treatment.

**Amount:** $3,800,000  
**LOI:** pre-application December 23, 2009  
**Deadline:** January 6, 2010  
To learn more: [http://cdmrp.army.mil/funding/lcrp.htm](http://cdmrp.army.mil/funding/lcrp.htm)  
**Key Words:** Biospecimen, Lung Cancer

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**Antibody Technology Program**

**DARPA-BAA-09-69**  
Defense Science Office (DARPA-DSO)

DARPA is interested in reviewing proposals that describe innovative research towards developing and demonstrating the ability to simultaneously improve antibody stability and control antibody affinity. The goal of the Antibody Technology Program is to enable multiplexed, antibody-based biosensors that have long shelf life and operate in harsh environments that are relevant to the DoD mission.

**Amount:** unspecified  
**LOI:** September 30, 2009  
**Deadline:** November 16, 2009  
**Key Words:** Antibody

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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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**Cancer and Blood**

**Translational Grants**

*New*

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](http://www.abta.org/Research_Progress/2010_Funding_Opportunities/294)  
**Key Words:** Brain Tumor

### Basic Research Fellowships

**New**  
The American Brain Tumor Association  
These two-year training awards support the salaries of young researchers entering the field of brain tumor research. This is often the first award of these researchers’ careers, and is coveted on an investigator’s curriculum vitae. The experience provides an opportunity in which young, bright, motivated investigators learn from motivating mentors.

**Amount:** $80,000  
**LOI:** N/R  
**Deadline:** January 8, 2010  
**To learn more:** [http://www.abta.org/Research_Progress/2010_Funding_Opportunities/293](http://www.abta.org/Research_Progress/2010_Funding_Opportunities/293)  
**Key Words:** Brain Tumor

### Discovery Research Grant Program

**New**  
The American Brain Tumor Association  
The American Brain Tumor Association has launched a new special projects discovery grant program to support fresh and creative research ideas for solving the challenges of brain tumor diagnosis and treatment.

**Amount:** $50,000  
**LOI:** October 15, 2009  
**Deadline:** invitation only  
**To learn more:** [http://www.abta.org/Research_Progress/2010_Funding_Opportunities/292](http://www.abta.org/Research_Progress/2010_Funding_Opportunities/292)  
**Key Words:** Brain Tumor

### Breast Cancer Research Program

**Funding Opportunities for Fiscal Year 2009**

**New**  
Department of Defense (DOD)  
Congressionally Directed Medical Research Program (CDMRP)  
Program Announcements for the Fiscal Year 2009 Breast Cancer Research Program are expected to be released in October 2009. The following award mechanisms will be offered:

1. Concept Award  
2. Postdoctoral Fellowship Award  
3. Era of Hope Scholar Award

**Amount:**  
**LOI:**  
**Deadline:** Released September 29, 2009  
**Key Words:** CDMRP, Breast Cancer, Fellowships, Hope Award, Concept Award

### Pilot And Exploratory Projects In Palliative Care Of Cancer Patients And Their Families

**New**  
American Cancer Society (ACS)  
This RFA provides funding for investigators performing pilot and exploratory research studies whose purpose is to test interventions, develop research methodologies, and explore novel areas of research in palliative care of cancer patients and their families. A condition of funding is a clearly defined plan as to how the investigator will use the results of the project to develop larger, extramurally funded research projects.
This RFA is limited to applications that focus on palliative care research projects for seriously ill cancer patients and their families in three (3) specific areas:

1. Exploring the relationship of pain and other distressing symptoms on quality and quantity of life, independence, function, and disability and developing interventions directed at their treatment in patients with advanced and chronic illnesses;
2. Studying methods of improving communication between adults living with serious illness, their families and their health care providers;
3. Evaluating models and systems of care for patients living with advanced illness and their families.

Amount: $120,000
LOI: N/R
Deadline: October 15, 2010
To learn more: http://a676.g.akamaitech.net/f/676/773/90m/images.m0.net/cm50content/19439/9218/PilotandExploratoryProjects_RFA_July_2009.pdf
Key Words: Palliative Care, Pain and Symptom Management, Communication Skills, Care Coordination

The Role of Healthcare and Insurance in Improving Outcomes in Cancer Prevention, Early Detection and Treatment

New
American Cancer Society (ACS)
The American Cancer Society invites applications that investigate the impact of healthcare costs, healthcare system and capacity, insurance status, social factors and delivery of health care services, on outcomes in cancer prevention, early detection and treatment.

Amount: unspecified
LOI: N/R
Deadline: October 15, 2009
To learn more: http://a676.g.akamaitech.net/f/676/773/90m/images.m0.net/cm50content/19439/9218/HP_RFA_July_2009.pdf
Key Words: SEER, Medicare payment data, State data and NCHS data

Pancreatic Cancer Research

New
American Association for Cancer Research
Pancreatic Cancer Action Network
The American Association for Cancer Research has partnered with the Pancreatic Cancer Action Network to offer a total of $2 million in funding for pancreatic cancer research.

Qualified candidates are invited to apply. Four grant mechanisms are available: Pathway to Leadership Grant (new); Fellowship Award; Career Development Award (funding level doubled); and Innovative Grant (formerly Pilot Grant, and changed to involve a new, streamlined application process).

Amount: $200,000
LOI: October 5; or October 28th, 2009
Deadline: November 30, 2009
To learn more: http://www.aacr.org/home/scientists/research-funding--fellowships.aspx
Key Words: Pancreatic Cancer

Postdoctoral Fellowship (basic, translational, clinical) Research grants and Post-Baccalaureate Training in Disparities Research for the 2009-2010 Research Program.

Susan G. Komen Breast Cancer Foundation
Komen’s commitment to supporting life-saving research has never been stronger. Building on 27 years of funding research to find the causes and cures of breast cancer, Komen continues its important new focus on research that will speed the translation of discoveries into reductions in breast cancer mortality and/or incidence within the next decade and on addressing disparities in breast cancer across populations.
The same principles and lessons that have driven Komen’s successful past research funding efforts will continue to serve as the framework for Komen’s breast cancer research funding this year.

Postdoctoral Fellowships – up to $180,000 over 3 years to expand the skills and expertise of breast cancer researchers and position trainees for independent careers in breast cancer research.

Post Baccalaureate Training in Disparities Research (PBTDI) – up to $135,000 per student over 3 years to support training for students very early in their career to allow them to begin to define meaningful career paths focused on disparities in breast cancer.

Amount: up to $180,000
LOI: October 1, 2009
Deadline: November 17, 2009
To learn more: http://ww5.komen.org/researchgrants/grantprograms.html?ecid=vanityurl:11
Key Words: Breast Cancer
Cancer Research Grants
Pardee Foundation
The Elsa U. Pardee Foundation funds investigators proposing research directed toward identifying new treatments or cures for cancer. The foundation particularly encourages grant applications for a one-year period which will allow establishment of capabilities of new cancer researchers, or new cancer approaches by established cancer researchers. It is anticipated that this early stage funding by the foundation may lead to subsequent and expanded support using government agency funding. Project relevance to cancer detection, treatment, or cure should be clearly identified. A final report summarizing financial expenditure and research achievement is required.
Amount: unspecified
LOI: N/R
Deadline: Continuous
To learn more: http://www.pardeefoundation.org/grants.aspx

Key Words: Cancer

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:

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

Key Words:

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:**

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### 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


**Key Words:**

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### Prioritizing Molecular Targets for Cancer Prevention with Nutritional Combinations (R01)

**PA-07-100**

**NIH**

This Funding Opportunity Announcement (FOA), solicits grant applications to enhance mechanistic understanding of the dynamic interrelationship between bioactive food components and/or food combinations and cancer prevention. Projects proposed in response to this FOA must focus on either multiple dietary bioactive components, intact foods, and/or multiple foods utilizing physiologically relevant concentrations of the bioactive agents. The main outcome of these studies must be the prioritization of targets/processes that are most relevant to cancer prevention by dietary components. The overall long-term goal is to use such information in developing dietary strategies to reduce cancer risk and/or modify tumor behavior.

**Amount:** varies

**LOI:** N/R

**Deadline:** multiple, see link; continuous through January 8, 2010

**To learn more:** [http://grants1.nih.gov/grants/guide/pa-files/PA-07-100.html](http://grants1.nih.gov/grants/guide/pa-files/PA-07-100.html)

**Key Words:**

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### Development, Applications, and Evaluation of Prediction Models for Cancer Risk and Prognosis (R01) [PA-07-021] and ([R21] [PA-07-022]

**PA-07-021 and PA-07-022**

**NIH**

The purpose of this funding opportunity announcement (FOA) for R01 applications is to encourage clinicians, epidemiologists, geneticists, statisticians, and translational cancer control and prevention researchers to improve existing models for cancer risk, prognosis, or response to therapy 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.

**Amount:** varies

**LOI:** N/R

**Deadline:** multiple, see link


**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]
PA-08-131 and PA-08-132
NIH
This funding opportunity announcement (FOA) is designed to stimulate research efforts aimed at establishing the physiological significance of dietary components in modulating the tumoricidal cell activity of natural killer (NK) cells for cancer prevention. The focus of research projects proposed in response to this FOA should be on defining the minimum quantity and duration of exposure to specific dietary components to modulate tumoricidal cell activity of NK cells for cancer prevention and the underlying mechanism(s) accounting for this response. Proposed projects must include animal and/or human investigations to be considered responsive to this announcement. Highly purified populations of immune cells, specific tumor cells such as RMA-S that lack class I MHC expression, target cell-free system, or single-cell assays may be used to define the molecular basis for the diet-induced changes in tumoricidal activity. However, the in vitro studies are only to be used to support in vivo studies and should not constitute the primary focus of the application. Molecular targets for food components may be examined at the sites of the tumoricidal cell receptors and cancer cell specific ligands, the output of tumoricidal cytokines (e.g., IFN-g), and the release of lytic granules such as a granulysin, perforin, and serine proteases (granzymes).

Amount: varies
LOI: N/R
Deadline: Standard dates apply

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: September 7, 2009
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

43
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, 2009; August 31, 2010

**Deadline:** September 29, 2009; 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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**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

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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

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

**Key Words:** Erythropoiesis

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**Notice of Availability of Serum Samples and Research Support for Validation of Hepatocellular Carcinoma (HCC) Biomarkers**
**NOT-DK-09-016**
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
NIDDK in collaboration with National Cancer Institute through its Early Detection Research Network announces the availability of serum samples and research funds for validation of biomarkers for hepatocellular carcinoma among study participants in the Hepatitis C Antiviral Long-Term Treatment against Cirrhosis (HALT-C) trial.

**Amount:** varies  
**LOI:** N/R  
**Deadline:** Released August 20, 2009  

**Key Words:** Biomarkers, Hepatocellular Carcinoma

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**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
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

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:

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

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), solicits applications for research projects that can combine information on individual genetic variations from the Human Genome and International HapMap Projects to stimulate small pilot dietary intervention studies. The overarching goal is to examine whether genetic variants can predict individual response to dietary components that alter cancer processes and modify individual susceptibly to cancer. These studies will allow for personalization of cancer preventive dietary strategies to reduce cancer risk in genetically susceptible individuals. Associational and non-interventional epidemiologic-focused studies will not be supported in conjunction with this FOA.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Dietary Intervention, Cancer Susceptibility, Genetic Predictions

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: December 21, 2009; 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

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**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

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**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

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**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:** Cancer, Clinical Translational Studies

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**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

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]

PA-09-023 and PA-09-024
National Cancer Institute (NCI)
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), invites applications for research projects that investigate the effects of Erythropoietin (EPO) on tumor cell growth. EPO has been widely used to relieve the anemia associated with renal failure. In addition, EPO and other erythropoiesis stimulating agents (ESAs) have recently been used to treat the anemia associated with cancer chemotherapy. However, several clinical trials involving administration of ESAs, have suggested that ESAs may accelerate tumor progression and increase mortality in cancer patients. It is therefore important to understand the biology of ESAs on tumor cell growth and apoptosis. The purpose of this FOA is to stimulate high quality research on the effects of ESAs on tumor cell biology and tumor progression.

Amount: varies
LOI: N/R
Deadline: Standard dates apply

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
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

The Early Detection Research Network: Biomarker Developmental Laboratories (U01)
RFA-CA-09-017
National Cancer Institute (NCI)
This funding opportunity announcement (FOA) solicits cooperative agreement applications for Biomarker Developmental Laboratories (BDLs), one of the four components of the Early Detection Research Network (EDRN). EDRN is a national consortium funded to discover, develop, and validate biomarkers for early cancer detection, risk assessment, and the molecular diagnosis and prognosis of early cancer. The BDLs have responsibility for the development and characterization of new, or the refinement of existing, biomarkers and biomarker assays. The other three main components of the EDRN are: the Biomarker Reference Laboratories (BRLs), which serve as Network resources for clinical and laboratory validation of biomarkers; the Clinical Validation Centers (CVCs), which conduct clinical research on the validation of biomarkers in early cancer detection and risk assessment and serve as resource centers for the EDRN by participating in collaborative biomarker validation studies and collaborating with EDRN BDLs and BRLs; and the Data Management and Coordinating Center (DMCC), which supports statistical and computational analyses, informatics infrastructure, and the coordination of network-wide meetings and conferences.
Amount: $3,000,000
LOI: September 29, 2009
Deadline: October 29, 2009
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-09-017.html
Key Words: Biomarkers, Cancer

The Biology of Estrogen Receptor-Negative Breast Cancer in Various Racial and Ethnic Groups (U01)
RFA-CA-09-026
National Cancer Institute (NCI)
The purpose of this funding opportunity announcement (FOA) is to promote the systematic study of the biology of estrogen receptor (ER)-negative human breast cancers, the characterization of their molecular features, the signaling pathways and networks that support their growth, as well as to identify differences in the biology of ER-negative breast tumors among racial and ethnic groups. The information will be crucial in developing early detection and intervention strategies. This initiative will support studies on: the basic biology of ER-negative breast cancers and delineation of differences that exist between ER-positive and ER-negative breast cancers; the identification of the subtypes or heterogeneity that exist within ER-negative breast cancers; and the determination of whether the biology of ER-negative breast tumors differs across racial and ethnic groups. In order to address these goals, the National Cancer Institute (NCI) solicits applications from collaborative teams of interdisciplinary investigators focused on characterizing the biologic drivers, including genetic, epigenetic, molecular, and cellular factors, of ER-negative human breast cancer development and progression.
Amount: $3,335,000
LOI: December 5, 2009
Deadline: January 5, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-09-026.html
Key Words: ER-Negative Breast Cancer

National Cancer Institute (NCI) Cancer Education and Career Development Program (R25)
PAR-06-511
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA) represents the continuation of the Cancer Education and Career Development Program (CECDP) established by the National Cancer Institute (NCI). The purpose of the CECDP is to support the development and implementation of institutional curriculum-dependent predoctoral/postdoctoral programs with specific core didactic and research requirements to train a cadre of scientists in interdisciplinary and collaborative cancer research settings. Examples of interdisciplinary/collaborative areas of cancer research that are particularly applicable to intent of the CECDP are cancer prevention and control, behavioral and population sciences, nutrition, imaging, and molecular diagnosis.

**Amount:** up to $525,000  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**Key Words:** Cancer, Nutrition, Imaging, Molecular Diagnosis

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**Cancer Intervention and Surveillance Modeling Network (CISNET) (U01)**  
RFA-CA-09-025  
National Cancer Institute (NCI)  

Through this funding opportunity announcement (FOA), the National Cancer Institute (NCI) solicits applications for the Cancer Intervention and Surveillance Modeling Network (CISNET). The goal of CISNET is to use simulation and other modeling techniques (a) to understand the impact of cancer control interventions (i.e., screening, treatment, prevention) on national trends in cancer rates, and (b) to inform national/regional/local decisions on the most efficient utilization of existing and emerging technologies and strategies for the control of cancer. This FOA expands CISNET efforts focused on four cancer sites (prostate, lung, colorectal, breast) and will also cover two additional sites (cervical and esophageal cancer). Expansion into new areas of modeling (identified in the FOA) is also encouraged. This FOA will support collaborative, interactive projects involving groups of researchers that would put forward a program of comparative modeling, as well as to allow coverage across the important cancer control issues and relevant specific focus areas for the selected organ site. Investigators may propose the application, extension, and/or merging of existing models. However, de novo model development will NOT be supported. Because of the requirement of conducting cross-model comparisons (i.e. comparative modeling) and coverage of a broad range of cancer control issues, it is expected that each award will support between approximately 2 and 5 modeling groups working together. This FOA is an open competition for all qualified investigators, irrespective of their previous involvement in the CISNET program.

**Amount:** $6,500,000  
**LOI:** October 3, 2009  
**Deadline:** November 3, 2009  
**Key Words:** Cancer Modeling, Cross-Model Comparisons, Cancer Control

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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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**Cancer Nanotechnology Platform Partnerships (U01)**  
RFA-CA-09-013  
National Cancer Institute (NCI)  

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), National Institutes of Health (NIH), solicits applications for the development of cancer nanotechnology platforms. This initiative, to be known as the Cancer Nanotechnology Platform Partnerships (CNPPs), is an integral component of a broader program - the NCI Alliance for Nanotechnology in Cancer (The Alliance) (http://nano.cancer.gov). In addition to CNPPs, the Alliance will consist of the Centers of Cancer Nanotechnology Excellence (CCNEs, as the core of the program infrastructure) and two training programs. The CNPPs are designed to enable multi-disciplinary team research and transformative discoveries in basic and pre-clinical cancer research. The proposed individual, circumscribed research projects are expected to address major barriers and/or fundamental questions in cancer biology, diagnosis, prevention, and/or treatment of the disease using innovative nanotechnology solutions. To advance such new
nanotechnology discoveries, the proposed platform projects should take advantage of the collaborative environment of the Alliance network. This initiative is open to all qualified applicants regardless of whether or not they participated in the previous issuance of the Alliance program.

**Amount:** $2,000,000  
**LOI:** September 14, 2009  
**Deadline:** October 14, 2009  
**Key Words:** Nanotechnology, Cancer

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**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:** October 23, 2009; May 23, 2010; October 23, 2010; May 23, 2011; October 23, 2011  
**Deadline:** November 23, 2009; June 23, 2010; November 23, 2010; June 23, 2011; November 23, 2011  
**Key Words:** Cancer, Diversity Practitioners, Cancer Biology

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**Exploratory/Developmental Grants Program for Basic Cancer Research in Cancer Health Disparities (R21) and (U01)**  
**PAR-09-160 and PAR-09-161**  
**National Cancer Institute (NCI)**  
Through this Funding Opportunity Announcement (FOA), the Center to Reduce Cancer Health Disparities (CRCHD) and the Division of Cancer Biology (DCB), at the National Cancer Institute (NCI), invite grant applications from investigators interested in conducting basic research studies into the causes and mechanisms of cancer health disparities. These awards will support pilot and feasibility studies, development and testing of new methodologies, secondary data analyses, and innovative mechanistic studies that investigate biological/genetic bases of cancer health disparities. This FOA is also designed to aid and facilitate the growth of a nationwide cohort of scientists with a high level of basic research expertise in cancer health disparities research and to provide resources for those investigators that may need additional support on their path to successfully compete for R01/R01* funding in basic research in understanding cancer health disparities.

**Amount:** $275,000  
**LOI:** N/R  
**Deadline:** November 23, 2009; June 23, 2010; November 23, 2010; June 23, 2011; November 23, 2011  
**Key Words:** Cancer, Disparities, Epidemiology

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**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, 2009; September 28, 2010; September 28, 2011  
**Deadline:** October 28, 2009; October 28, 2010; October 28, 2011  
**Key Words:** Cancer Center, Imaging
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

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

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: October 19, 2009; February 19, 2010; October 19, 2010; February 18, 2011; October 19, 2011
Key Words: Cancer, Tumor Microenvironment

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: December 28, 2009; April 28, 2010; August 28, 2010; December 28, 2010; April 30, 2011; August 28, 2011
Deadline: January 28, 2010; May 27, 2011; September 28, 2010; January 28, 2011; May 27, 2011; September 28, 2011
Key Words: Cancer, Cancer Biology, Clinical Translational Research
Small Grants Program for Cancer Epidemiology (R03)
PAR-08-237
National Cancer Institute (NCI)
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), encourages the submission of Small Research Grant (R03) applications for research on cancer etiology and epidemiology. The overarching goal of this FOA is to provide support for pilot projects, testing of new techniques, secondary analyses of existing data, development and validation of measurement methods, linkage of genetic polymorphisms with other variables related to cancer risk, and development of innovative projects for more comprehensive research in cancer etiology and epidemiology.
Amount: varies
LOI: N/R
Deadline: November 19, 2009; March 19, 2010; July 23, 2010; November 19, 2010; March 18, 2011; July 22, 2011; November 18, 2011
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-237.html
Key Words:

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: December 18, 2009; March 19, 2010; July 19, 2010; December 09, 2010
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-055.html
Key Words: Cancer

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
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-06-449.html
Key Words: Cancer, Clinicians

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: December 28, 2009; April 28, 2010; August 28, 2010; December 28, 2010; and April 27, 2011
Deadline: January 28, 2010; May 28, 2010; September 28, 2010; January 28, 2011; and May 27, 2011
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-147.html

Key Words: Hepatocarcinoma

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, Cancer

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

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

the ARC Léopold Griffuel Prize
French Association for Cancer Research (ARC)
An annual Prize entitled "Prix ARC Léopold Griffuel" has been created following the late Mrs. Griffuel's will. The prize is awarded by the Board of Directors of the French Association for Cancer Research (ARC) after evaluation by a scientific committee.
This prestigious prize of 100 000 € is awarded to an investigator, a group, whose work has led to a major breakthrough in the field of cancer.

The candidates must still be involved in research activity.

All applications must be sponsored by at least two internationally-renowned scientists. The letter of application may be presented either directly by the sponsors or by the candidate himself/herself, who must then obtain the letters of recommendation from his/her sponsors. This letter of application must be followed by a completed application file.

Amount: €100,000

LOI: N/R

Deadline: September 28, 2009

To learn more: http://www.arc.asso.fr/pages_chercheurs/griffuel_ang.htm

Key Words: Cancer

Fertility Preservation Research: Advancing Beyond Technology (R01)
RFA-HD-09-009

Eunice Kennedy Shriver National Institute of Child Health and Human Development
National Institute for Occupational Safety and Health (NIOSH)

The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) and the National Institute for Occupational Safety and Health (NIOSH) solicit grant applications that are designed to: 1) characterize the risks and mechanisms of gonadal damage secondary to exposure to chemotherapy, radiation therapy, or occupational or environmental hazards, 2) elucidate more reliable biomarkers of reproductive capacity, and 3) examine the social, legal, and ethical ramifications of fertility preservation technologies.

Amount: $2,500,000

LOI: September 21, 2009

Deadline: October 20, 2009


Key Words: Fertility, Radiation Exposure

Lung Cancer Biospecimen Resource Network (LCBRN) Award
W81XWH-09-LCRP-LCBRNA

Department of Defense (DOD) Congressionally Directed Medical Research Programs (CDMRP)

The LCBRN award is intended to provide infrastructure support for the development of a lung cancer biospecimen resource that will facilitate the collection, processing, annotation, storage, and distribution of high-quality human lung cancer biospecimens through a collaborative network across multiple institutions. The LCBRN will consist of a Coordinating Center that will also function as a biospecimen resource site and a minimum of two additional Biospecimen Resource Sites that will be jointly responsible for developing the biospecimen resource network for lung cancer research.

The Coordinating Center and Biospecimen Resource Sites must submit a single application.

The proposed LCBRN must collect, process, annotate, store, and distribute human lung cancer biospecimens that support two or more of the Areas of Emphasis listed below:
* Identification or development of non-invasive or minimally invasive tools to improve the detection of the initial stages of lung cancer.
* Identification and development of tools for screening or early detection of lung cancer. Screening may include, but is not limited to, computed tomography scans, X-rays, other imaging, biomarkers, genetics/genomics/proteomics, and assessment of risk factors.
* Understanding the molecular mechanisms that lead to clinically significant lung cancer.
* Identification of the mechanisms that lead to the development of the various types of lung cancer.
* Understanding predictive and prognostic markers to identify responders and non-responders.
* Understanding acquired resistance to treatment.

Amount: $3,800,000

LOI: pre-application December 23, 2009

Deadline: January 6, 2010

To learn more: http://cdmrp.army.mil/funding/lcrp.htm

Key Words: Biospecimen, Lung Cancer

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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**The Role of Healthcare and Insurance in Improving Outcomes**

American Cancer Society (ACS)

The American Cancer Society is announcing this RFA to investigate the impact of healthcare costs, healthcare system and capacity, insurance status, social factors and delivery of health care services, on outcomes in cancer prevention, early detection and treatment. The purpose of this RFA 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:** $800,000

**LOI:** N/A

**Deadline:** October 15, 2009

To learn more: [http://www.cancer.org/docroot/RES/content/RES_5_2x_Request_for_Applications_The_Role_of_Healthcare_and_Insurance_in_Improving_Outcomes.asp?sitearea=RES](http://www.cancer.org/docroot/RES/content/RES_5_2x_Request_for_Applications_The_Role_of_Healthcare_and_Insurance_in_Improving_Outcomes.asp?sitearea=RES)

**Key Words:** Insurance, Healthcare Delivery, Cancer Treatment, Outcomes 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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**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:**
FY09 DOD Lung Cancer Research Program Collaborative Translational Research Award
W81XWH-09-LCRP-CTRA
The purpose of the CTRA is to support multi-institutional, multi-disciplinary collaborations among clinicians and laboratory scientists that will accelerate the movement of promising ideas in lung cancer into clinical applications. The FY09 LCRP CTRA ONLY accepts applications that address at least two of the seven Areas of Emphasis listed below.

- Identification or development of non-invasive or minimally invasive tools to improve the detection of the initial stages of lung cancer
- Identification and development of tools for screening or early detection of lung cancer. Screening may include, but is not limited to, computed tomography scans, X-rays, other imaging, biomarkers, genetics/genomics/proteomics, and assessment of risk factors
- Understanding the molecular mechanisms that lead to clinically significant lung cancer
- Identification of the mechanisms that lead to the development of the various types of lung cancer
- Identification of innovative strategies for prevention and treatment of early lung cancer
- Understanding predictive and prognostic markers to identify responders and non-responders
- Understanding acquired resistance to treatment

Amount: $800,000
LOI: November 19, 2009
Deadline: December 3, 2009
To learn more: [link]

Key Words: Lung Cancer

Complementary & Alternative Medicine (CAM)

Exploratory/Developmental Grant for Complementary and Alternative Medicine (CAM) Studies of Humans (R21)
PAR-08-135
NIH
The primary purpose of this Funding Opportunity Announcement (FOA) is to encourage the submission of high quality, preliminary research of humans that will advance the science of CAM. Such studies will ultimately provide a solid foundation and justification for larger, subsequent clinical studies to determine definitively the efficacy and effectiveness of complementary and alternative medicine (CAM) approaches.

Amount: Direct costs are limited to $400,000 over an R21 three-year period, with no more than $250,000 in direct costs allowed in any single year. The R21 is not renewable.
LOI: N/R
Deadline: standard dates apply
To learn more: [link]

Key Words:

Alzheimer's Disease Pilot Clinical Trials (R01)
PAR-08-062
NIH
This Funding Opportunity Announcement (FOA) issued by the National Institute on Aging (NIA), the National Center for Complementary and Alternative Medicine (NCCAM), and the National Institute of Nursing research (NINR), National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose to initiate pilot clinical trials for treatment or prevention of MCI, AD, and/or age-related cognitive decline

Amount: up to $450,000 per year for 3 years
LOI: N/R
Deadline: multiple, see link
To learn more: [link]

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](http://grants.nih.gov/grants/guide/pa-files/PAR-08-045.html)

**Key Words:**

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**Exploratory/Developmental Bioengineering Research Grants (EBRG) [R21]**

PA-06-418

National Institutes of Health (NIH), multiple institutes

This Funding Opportunity Announcement (FOA) is intended to encourage innovation and high impact research. While minimal or no preliminary data are expected to be described in the application, applications should clearly indicate the significance of the proposed work and that the proposed research and/or development is scientifically sound, that the qualifications of the investigators are appropriate, and that resources available to the investigators are adequate.

Participating Institutes and Centers of the NIH invite applications for Exploratory/Developmental Bioengineering Research Grants (EBRG) to support innovative, high risk/high impact bioengineering research in new areas that may have minimal or lack preliminary testing or development.

An EBRG application may propose hypothesis-driven, discovery-driven, developmental, or design-directed research. The research proposed under this program can explore approaches and concepts new to a particular substantive area; research and development of new technologies, techniques or methods; or initial research and development of data upon which significant future research may be built.

**Amount:** $275,000

**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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**Collaborative R34s for Pilot Studies of Innovative Treatments in Mental Disorders (Collaborative R34)**

PA-09-075

National Institute of Mental Health (NIMH)

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](http://grants.nih.gov/grants/guide/pa-files/PA-09-075.html)

**Key Words:** Mental Disorders, Drug Therapy

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**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
Exploratory/Developmental Grant for Complementary and Alternative Medicine (CAM) Studies using Cells, Tissues, and Animal Models of Disease
PA-08-185
National Center for Complementary and Alternative Medicine
National Cancer Institute
Office of Dietary Supplements
This FOA issued by the National Center for Complementary and Alternative Medicine (NCCAM), the National Cancer Institute, and the Office of Dietary Supplements (ODS), encourages research grant applications from institutions/organizations that propose to carry out basic and/or preclinical research on CAM using cells, cell lines, tissues, cadavers, or animal model systems with an aim to understand the mechanisms of action of a CAM modality.
Amount: $275,000
LOI: N/R
Deadline: standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-185.html
Key Words: CAM

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

The Bernard Osher Foundation/NCCAM CAM Practitioner Research Career Development Award (K01)
PAR-09-072
National Center for Complementary and Alternative Medicine (NCCAM)
The specific purpose of this research career development Award (K01) is to provide research training support for CAM Practitioners with clinical doctorates, who have had limited opportunities for research training, but a strong desire to pursue a career in CAM research. The long term goal is to encourage more CAM practitioners to enter research careers, thus enriching CAM research through their experience and knowledge of CAM practice. This award will provide support and “protected” time (three, four, or five years) for intensive, supervised career development research experience in the biomedical, behavioral, or clinical sciences related to complementary and alternative medicine (CAM).
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-072.html
Key Words: CAM

The Bernard Osher Foundation/NCCAM CAM Practitioner Research Career Development Award (K01)
PAR-07-003
National Center for Complementary and Alternative Medicine (NCCAM)
The specific purpose of this research career development Award (K01) is to provide research training support for CAM Practitioners with clinical doctorates, who have had limited opportunities for research training, but a strong desire to pursue a career in CAM research. The long term goal is to encourage more CAM practitioners to enter research careers, thus enriching CAM research through their experience and knowledge of CAM practice. This award will provide support and “protected” time (three, four, or five years) for
intensive, supervised career development research experience in the biomedical, behavioral, or clinical sciences related to complementary and alternative medicine (CAM). Awards are not renewable, nor are they transferable from one principal investigator to another.

**Amount:** varies  
**LOI:** N/R  
**Deadline:** November 1, 2009  
**Key Words:** CAM, Complementary Alternative Medicine, Career Award, Training Grant

### 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, preclinical, 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 definitely determine the efficacy of CAM approaches.

**Amount:** $275,000  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**Key Words:** CAM, Alternative Therapy, Cancer

### The Role of Human-Animal Interaction in Child Health and Development (R01) and (R03)

**RFA-HD-09-031 and RFA-HD-09-030**  
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)  
The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) and the National Institute of Nursing Research (NINR) solicits Research Project Grant (R01) applications from institutions/organizations that propose to study the impact of human-animal interaction (HAI) on children’s health and development and to test the efficacy of therapeutic uses of HAI with children. In 2008 NICHD and The WALTHAM® Centre for Pet Nutrition, a division of Mars, Incorporated, entered into a public-private partnership to explore the interaction between humans and animals. The partnership encourages research on Human-Animal Interaction (HAI), especially as it relates to child development, health and the therapeutic use of animals with children and adolescents. This shared interest resulted in The WALTHAM® Centre donating funds to NICHD to enhance NICHD’s ability to support research in this field. The purpose of this FOA is to build an empirical research base on how children perceive, relate to and think about animals; how pets in the home impact children’s social and emotional development and health (e.g. allergies, the immune system, asthma, mitigation of obesity); and whether and under what conditions therapeutic uses of animals is safe and effective.

**Amount:** $2,000,000  
**LOI:** October 19, 2009  
**Deadline:** November 19, 2009  
**Key Words:** Pets, Children, Obesity, Asthma, Child Development

### Cytomics

**RFP ANNOUNCEMENT: External Quality Assurance Program Oversight Laboratory (EQAPOL)**

**New**  
NOT-AI-09-053  
National Institute of Allergy and Infectious Diseases (NIAID)  
**Project Requirements**

The scope of activities to be carried out under this contract involves both QA/QC and operational activities and includes:
(A) maintenance of a PBMC bank and EQA reagent repository
(B) establishment of a PBMC EQA program to assess the ability of laboratories to reliably process, freeze, store, and ship viable and functional PBMC
(C) preparation and distribution of proficiency panels and reagents to laboratories that conduct enzyme-linked immunosorbent spot (ELISpot) assays and evaluation of test results
(D) preparation and distribution of materials and reagents to laboratories that perform intracellular cytokine staining (ICS), novel T cell assays, and/or other flow cytometry based assays, and evaluation of test results
(E) acquisition, establishment, and characterization of unique clade-specific HIV virus panels, or other viral isolate panels, as needed, to help ensure assay quality and validity of new assay platforms
(F) creation and maintenance of a central web database for the above activities
(G) advice on Food and Drug Administration (FDA) regulatory, compliance, and statistical issues and coordination of optimization efforts among laboratories to develop validation programs for novel T or B cell functional assays
(H) establishment and support of an Independent External Advisory Group
(I) provide expertise to develop/implement a proficiency panel to access pre-existing vaccine vector immunity
(J) support the development of antibody characterization assays.

Amount: unspecified
LOI: N/R
Deadline: Released September 16, 2009
To learn more: http://grants.nih.gov/grants/guide/notice-files/NOT-AI-09-053.html
Key Words: PBMC Bank, ELISpot, Immunoassays, HIV

Cellular Systems Cluster
PD 04-1114
National Science Foundation (NSF)
The Cellular Systems Cluster, one of three thematic areas within the Division of Molecular and Cellular Biosciences, supports research, across all taxa, into the structure and organization of cells and the dynamics of cellular processes. Cell Biology is at a juncture where powerful new techniques in microscopy and biophysics (including live cell imaging, and the ability to study molecular function and behavior in the cell at high resolution, down to the single molecule level) are advancing rapidly. At the same time, modeling and computational approaches have developed to the point where they can, in concert with accurate and informative experimental datasets, generate predictive models that can be tested experimentally. The Cellular Systems cluster is interested not only in traditional areas of cell biology (such as the organization, function, and dynamics of membranes, organelles and other subcellular compartments, and intracellular and transmembrane signal transduction mechanisms and cell-cell signaling processes) but also in the development of quantitative, theory-driven approaches to cell biology that integrate experimental studies at the molecular genetic, biochemical, biophysical, transcriptomic and proteomic levels. Network theory (e.g., as applied to signal transduction) and molecular dynamic modeling (e.g., as applied to the structure/function relationships of cellular structures) are also of particular interest. While proposals using approaches and model systems traditional in the field of cell biology are welcome, studies focused on novel, unique approaches and on non-traditional model organisms are encouraged.

Amount: unspecified
LOI: N/R
Deadline: July 12, 2009 and January 12, 2010
To learn more: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12772
Key Words: Cell Biology

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 December 21, 2009; and April 23, 2010
Deadline: January 21 and May 21, 2010
Key Words: Pharmacology
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
Key Words: Metals, Nutrition, Inorganic Chemistry

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

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

Biomarkers for Early Detection of Hematopoietic Malignancies (R01) and (R21)
PA-09-197 and PA-09-198
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages research grant applications from institutions/organizations for the development and validation of biomarkers for: a) early detection, prediction of progression, and recurrence of hematopoietic malignancies, especially in high-risk individuals; and, b) for risk assessment of primary and secondary hematopoietic malignancies. This FOA is also encourages the development and improvement of specific technologies and methods for quantitative detection of novel biomarkers associated with hematopoietic malignancies.
Amount: varies
Diabetes, Endocrine and Metabolism

Angiogenesis in the Nervous System in Health and Disease
(R01) [PA-08-015] and (R21) [PA-08-016]
PA-08-015 and PA-08-016
NIH
This Funding Opportunity Announcement (FOA) is a program announcement (PA) issued by the National Institute of Neurological Disorders and Stroke (NINDS), the National Eye Institute (NEI), the National Institute on Aging (NIA), the National Cancer Institute (NCI), and the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health (NIH). The aim of this FOA is to invite applications to study angiogenesis in the nervous system. Specific areas of research this FOA seeks to encourage include study of the mechanisms controlling angiogenic responses to physiological and pathological stimuli, the development and patterning of nervous system vasculature, and the etiology of disorders affecting development and/or ongoing angiogenesis in nervous system vasculature.
Amount: unspecified
LOI: N/R
Deadline: Multiple dates, see announcement; expires January 2011
Key Words:

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

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

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

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

**Amount:**

**LOI:** N/R


**To learn more:** [http://grants.nih.gov/grants/guide/par-files/PAR-09-177.html](http://grants.nih.gov/grants/guide/par-files/PAR-09-177.html)

**Key Words:** Obesity, Diabetes

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

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

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

Pilot Studies for Studying the Mechanisms of Improvement in Type 2 Diabetes and Cardiovascular Risk Factors or in Cardiovascular, Lung, or Sleep Diseases after Bariatric Surgery (R01)

RFA-DK-09-012
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Heart Lung and Blood Institute (NHLBI)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases and the National Heart, Lung, and Blood Institute, National Institutes of Health encourages Research Project Grant (R01) applications from Institutions/organization that propose to determine the optimal research design as well as collect pilot data on feasibility and implementation for a randomized clinical trial of the effects of bariatric surgery on type 2 diabetes and cardiovascular risk factors in people with type 2 diabetes or in cardiovascular, lung and sleep diseases in people. All studies should focus on subjects with a BMI of 30 to 40.

Amount: $1,200,000
LOI: October 22, 2009
Deadline: November 19, 2009
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-09-012.html
Key Words: BMI, Bariatric Surgery, health Outcomes

NIDDK Education Program Grants (R25)

PAR-06-554
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
NIDDK is soliciting Research Education (R25) grant applications from applicant organizations that propose to create educational opportunities to attract undergraduate students, graduate students, and postdoctoral fellows to careers in areas of biomedical or behavioral research of particular interest to the NIDDK while fostering the career development of these students and fellows. The NIDDK is especially interested in attracting students and postdoctoral fellows from scientific disciplines underrepresented in disease-oriented biomedical research such as engineering, informatics, computer science, and computational sciences, to encourage them to apply their expertise to research relevant to diabetes and other endocrine and metabolic diseases, digestive and liver diseases, nutrition, obesity research and prevention, and kidney, urologic, and hematologic diseases.

Amount: $500,000
LOI: N/R
Deadline: standard dates apply
To learn more: http://grants1.nih.gov/grants/guide/pa-files/PAR-06-554.html
Key Words: Biomedical Research Training, Diabetes, Digestive Diseases and Disorders, Endocrinologic Diseases, Medical Education, Medical Informatics, Nutrition Disorders, Obesity
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

Nutrition Obesity Research Centers (P30)
RFA-DK-09-006
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:  October 22, 2009
Deadline:  November 18, 2009
Key Words:  Obesity

Beta Cell Biology Consortium (U01)
RFA-DK-09-011
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
The National Institute of Diabetes and Digestive and Kidney Diseases invite new U01 applications to participate in a consortium of investigators, the Beta Cell Biology Consortium (BCBC); www.betacell.org . The BCBC will work collaboratively to facilitate research in the following areas: 1) use cues from pancreatic development to directly differentiate pancreatic beta cells and islets from stem/progenitor cells for use in cell-replacement therapies for diabetes; 2) determine how to stimulate beta cell regeneration in the adult pancreas as a basis for improving beta cell mass in diabetic patients; 3) determine how to reprogram progenitor/adult cells into pancreatic beta-cells both in-vitro and in-vivo as a mean for developing cell-replacement therapies for diabetes; and 4) investigate the progression of human type-1 diabetes using patient-derived cells and tissues transplanted in humanized mouse models. The BCBC will be responsible for collaboratively generating the necessary reagents, mouse strains, antibodies, assays, protocols, technologies and validation assays that are beyond the scope of any single research effort proposed by the investigators.
Amount:  $1,500,000
LOI:  October 26, 2009
Deadline:  November 23, 2009
Key Words:  Beta Cells, Islets

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
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  
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-182.html  
Key Words: Diabetes, Endocrinology, Metabolic Diseases

Seeding Collaborative Interdisciplinary Team Science in Diabetes, Endocrinology and Metabolic Diseases (R24)  
PAR-08-181  
National Institute of Diabetes and Digestive and Kidney Diseases  
The purpose of the Seeding Collaborative Interdisciplinary Team Science Program described in this announcement is to provide initial support to enable strong new investigative teams to form, and to foster preliminary research activities. It is anticipated that research teams receiving seeding support under this program will be well positioned to compete for funds through the parent NIDDK Collaborative Interdisciplinary Research Program in Diabetes, Endocrinology and Metabolic Diseases solicitation.  
Amount: $300,000  
LOI: August  
Deadline: standard dates apply  
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-181.html  
Key Words: Diabetes, Endocrinology, Metabolic Diseases

Digestive and Liver

Career Development Award  
Society for Surgery of the Alimentary Tract (SSAT)  
This award for young faculty members is to assist in the establishment of investigators, basic or clinical, in digestive diseases. The supported research program can be focused on basic laboratory or rigorous clinical investigation.  
Amount: $100,000  
LOI: N/R  
Deadline: January 8, annually  
To learn more: http://www.ssat.com/cgi-bin/awards_Career_Development.cgi  
Key Words: Gastroenterology, Surgery

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:
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: 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
Non-Invasive Methods for Diagnosis and Progression of Diabetes, Kidney, Urological, Hematological and Digestive Diseases and Hypertensive Disorders (R01)
PA-09-181
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Heart Lung and Blood Institute (NHLBI)
This Funding Opportunity Announcement (FOA) is a call for the application of imaging and other non- or minimally-invasive technologies to detect, characterize, diagnose, identify persons with predisposition to, or monitor treatment of diseases of interest to the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the National Heart Lung and Blood Institute (NHLBI) of the National Institutes of Health (NIH). Also needed are new, robust surrogate markers for clinical trial endpoints, and new ways to characterize normal and pathological tissues in vivo. Diseases of interest include type 1 and 2 diabetes; acute and chronic kidney disease, liver, urologic, hematologic, digestive, endocrine, and metabolic diseases and their complications; obesity; obesity-related hypertension, hypertension, renal and vascular disorders leading to hypertension. Applicable techniques include molecular imaging and functional imaging approaches, imaging methods with high spatial, chemical or time resolution, metabolomics, proteomics, genomics, or new spectroscopic or sensor array technologies for monitoring metabolic or physiological events.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-181.html
Key Words: Diabetes, Kidney Disease, Type I, Type II
Pilot and Feasibility Clinical Research Studies in Digestive Diseases and Nutrition (R21)
PA-09-151
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Cancer Institute (NCI)
National Institute for Nursing Research (NINR)
Office of Dietary Supplements, National Institutes of Health (ODS)
This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK); the National Cancer Institute (NCI); the National Institute for Nursing Research (NINR), and Office of Dietary Supplements (ODS) of the National Institutes of Health,
encourages pilot and feasibility clinical and epidemiological research studies of new therapies or means of health promotion and prevention of digestive and liver diseases and nutritional disorders associated with digestive and liver diseases, including cancer.

Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-151.html
Key Words: Liver Disease, Nutritional Disorders

Silvio O. Conte Digestive Diseases Research Core Centers (P30)
RFA-DK-09-005
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 applications for Silvio O. Conte Digestive Diseases Research Core Centers (DDRCCs). The DDRCCs are part of an integrated program of digestive and liver diseases research support provided by the NIDDK. 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 digestive and/or liver diseases and their complications.

Amount: $3,750,000
LOI: October 12, 2009
Deadline: November 9, 2009
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-09-005.html
Key Words: Liver Disease, Digestive Disease

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

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: December 28, 2009; April 28, 2010; August 28, 2010; December 28, 2010; and April 27, 2011
Deadline: January 28, 2010; May 28, 2010; September 28, 2010; January 28, 2011; and May 27, 2011
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-147.html
Key Words: Hepatocarcinoma
**Funding**

Broad Foundation, Eli and Edythe L.

Broad Medical Research Program (BMRP)

Research grants are available for innovative proposals that will lead to improvements in the prevention, diagnosis, or therapy of Crohn’s disease or ulcerative colitis, two types of inflammatory bowel disease (IBD). The program is interested in funding clinical or basic IBD research projects that are innovative; are in the early stages of exploration; will improve diagnosis, therapy, or prevention of IBD in the near future; and will lead to longer-term funding by more traditional granting agencies.

**Amount:** unspecified

**LOI:** The first step in applying is to submit a Letter of Interest (LOI)

**Deadline:** Continuous

To learn more: [http://www.broadmedical.org/funding.htm](http://www.broadmedical.org/funding.htm)

**Key Words:** Digestive Diseases and Disorders, Gastroenterology, Inflammatory Bowel Disease

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**Education and Curriculum Development**

**Future Calls for Proposals**

**New**

Robert Wood Johnson Foundation (RWJF)

Whenever possible, RWJF will post advance notice of when they intend to issue calls for proposals (CFPs). In general, the application deadline for most CFPs will be one to three months after the release date.

Harold Amos Medical Faculty Development Program

Interdisciplinary Nursing Quality Research Initiative (INQRI)

Medicaid Leadership Institute

Robert Wood Johnson Foundation Clinical Scholars Program

Robert Wood Johnson Foundation Nurse Faculty Scholars

**Amount:**

**LOI:**

**Deadline:** October, November, December release dates

To learn more: [http://www.rwjf.org/applications/solicited/upcomingcfplist.jsp?cid=xrs_rss-fa](http://www.rwjf.org/applications/solicited/upcomingcfplist.jsp?cid=xrs_rss-fa)

**Key Words:** Nursing, Medicaid, Clinical Scholars

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**Evaluating Innovations in Nursing Education**

The Robert Wood Johnson Foundation (RWJF)

In support of Robert Wood Johnson Foundation's commitment to address the nursing shortage, Evaluating Innovations in Nursing Education will fund evaluations of interventions that expand teaching capacity or promote faculty recruitment and retention in nursing schools. An important activity of the program will be disseminating successful strategies so they can be replicated in other nursing education settings.

**Amount:** $300,000

**LOI:** October 5 and 26, 2009; optional Web conference.

**Deadline:** November 24, 2009

To learn more: [http://www.rwjf.org/applications/solicited/cfp.jsp?ID=20742](http://www.rwjf.org/applications/solicited/cfp.jsp?ID=20742)

**Key Words:** Nursing, Nursing Education, Faculty Recruitment

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**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.
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: 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.

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

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: October 22, 2009; August 25, 2010 and fourth Wednesday in August Annually Thereafter
NIH Support for Conferences and Scientific Meetings (Parent R13/U13)
PA-08-149
National Institutes of Health (NIH), multiple organizations
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. Prior to preparing an application, it is critical that all applicants consult the appropriate IC representative listed in the R13/U13 Website (http://grants.nih.gov/grants/funding/r13/) to obtain current information about IC specific program priorities and policies. This action is of utmost importance because applications with marginal or no relevance to the participating Institutes will not be accepted for review or possible funding.
Amount: unspecified
LOI: N/R
Deadline: Standard dates apply
To learn more: [http://grants.nih.gov/grants/guide/pa-files/PA-08-149.html](http://grants.nih.gov/grants/guide/pa-files/PA-08-149.html)
Key Words: Conference

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.
Key Words: Fellowship, Pre-Doctoral, Thesis, PharmD/PhD

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 (Sep 25, 2009)
Key Words: Minorities and Disadvantaged, Neurological Disorders, Neuroscience, Stroke

Mental Health Dissertation Research Grant to Increase Diversity (R36)
PAR-09-132
National Institute of Mental Health (NIMH)
The purpose of this funding opportunity is to increase the diversity of the mental health research workforce. It will enable qualified doctoral candidates to pursue research careers in any area relevant to the research mission of the National Institute of Mental Health (NIMH). These awards are available to US citizens or permanent residents who are predoctoral students advanced to candidacy in accredited research doctoral programs in the United States (including Puerto Rico and other U.S. territories or possessions).
NIGMS' Postbaccalaureate Research Education Program (PREP)
PAR-07-432
National Institute of General Medical Sciences (NIGMS)
The goal of the PREP is to encourage individuals from underrepresented groups who have recently obtained their baccalaureate degrees to complete for Ph.D. degree programs in biomedically relevant sciences through extensive academic enhancements and research experience. Through this program, it is anticipated that a steady supply of Ph.D. candidates from underrepresented groups will be established. It is also the expectation and hope that some of the PREP participants will eventually become the scientists who conduct research in areas that address reducing health disparities.
Amount: $1,400,000
LOI: N/R
Deadline: January 22, 2010
Key Words: AIDS, Arthritis, Biomedical Research (Multidisciplinary), Cancer or Carcinogenesis, Cardiovascular Diseases, Diabetes, Disease Prevention, Health of Underserved Populations, HIV, HIV Prevention, Minority Health, Respiratory Diseases, Sexually Transmitted

NIDDK Education Program Grants (R25)
PAR-06-554
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
NIDDK is soliciting Research Education (R25) grant applications from applicant organizations that propose to create educational opportunities to attract undergraduate students, graduate students, and postdoctoral fellows to careers in areas of biomedical or behavioral research of particular interest to the NIDDK while fostering the career development of these students and fellows. The NIDDK is especially interested in attracting students and postdoctoral fellows from scientific disciplines underrepresented in disease-oriented biomedical research such as engineering, informatics, computer science, and computational sciences, to encourage them to apply their expertise to research relevant to diabetes and other endocrine and metabolic diseases, digestive and liver diseases, nutrition, obesity research and prevention, and kidney, urologic, and hematologic diseases.
Amount: $500,000
LOI: N/R
Deadline: standard dates apply
To learn more: http://grants1.nih.gov/grants/guide/pa-files/PAR-06-554.html
Key Words: Biomedical Research Training, Diabetes, Digestive Diseases and Disorders, Endocrinologic Diseases, Medical Education, Medical Informatics, Nutrition Disorders, Obesity

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 (Sep 25, 2009)
To learn more: http://grants1.nih.gov/grants/guide/pa-files/PAR-08-003.html
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

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

National Cancer Institute (NCI) Cancer Education and Career Development Program (R25)
PAR-06-511
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA) represents the continuation of the Cancer Education and Career Development Program (CECDP) established by the National Cancer Institute (NCI). The purpose of the CECDP is to support the development and implementation of institutional curriculum-dependent predoctoral/postdoctoral programs with specific core didactic and research requirements to train a cadre of scientists in interdisciplinary and collaborative cancer research settings. Examples of interdisciplinary/collaborative areas of cancer research that are particularly applicable to intent of the CECDP are cancer prevention and control, behavioral and population sciences, nutrition, imaging, and molecular diagnosis.
Amount: up to $525,000
LOI: N/R
Deadline: Standard dates apply
Key Words: Cancer, Nutrition, Imaging, Molecular Diagnosis

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.
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
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-207.html
Key Words: Chronic Disease, Rehabilitation, Conferences

Health Care Grant

DFAV

Programs leading to organizational and transformational change in medical education, addressing the hidden curriculum, and designed to integrate caring attitudes throughout the curriculum will be considered. Faculty development initiatives are encouraged, including role modeling and mentoring.

Amount: $100,000-$200,000
LOI: N/R
Deadline: Continuous
To learn more: http://www.avdfdn.org/programs-healthcare.htm
Key Words:

NIOSH Support for Conferences and Scientific Meetings (R13)

PAR-08-072

Centers for Disease Control and Prevention

CDC’s Procurement and Grants Office has published a funding opportunity announcement entitled, “NIOSH Support for Conferences and Scientific Meetings(R13).” The purpose of the program is to support high quality conferences/scientific meetings that are relevant to its scientific mission and to the public health.

The goal of the NIOSH research program is to develop an understanding of the risks and conditions that are associated with occupational diseases and injuries, to explore methods for reducing risks and for preventing or minimizing exposure to hazardous conditions in the workplace, and to translate significant scientific findings into prevention practices and products that will effectively reduce work-related illnesses and injuries. Specific research priorities are derived from the National Occupational Research Agenda (NORA) which is used by NIOSH for determining how best to carry out its mission of providing national and world leadership in preventing work-related illnesses and injuries.

Amount: $20,000
LOI: Sixty calendar days in advance of standard Application
Deadline: Standard dates apply (April 12, August 12, December 12)
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-072.html
Key Words: Occupational Health

Transforming Primary Care Practice (R18)

RFA-HS-10-002
Agency for Healthcare Research and Quality (AHRQ)

This funding opportunity announcement (FOA) issued by the Agency for Healthcare Research and Quality (AHRQ) solicits grant applications from organizations that propose systematic studies of on-going, successful efforts to transform the delivery of primary care in the U.S. The patient-centered medical home (PCMH) has been proposed by a broad coalition of providers, employers, insurers and others as a model for improving primary care in the U.S., and numerous health care systems and medical groups are currently
attempting to transform their primary care practices into PCMHs. These attempts go beyond incremental quality improvement activities and aim toward whole practice redesign. The research funded through this announcement will first validate that healthcare quality, as reflected in quantifiable changes in process and outcome measures, has in fact improved subsequent to practice transformation into a PCMH. Investigators will then study in detail how the transformation occurred and its impact on costs of care and actual patient and provider experiences/satisfaction. In addition, investigators will study the organizational and contextual factors within practices that have influenced the success of these efforts. AHRQ is interested in research that will identify, describe and disseminate the best methods for transforming the structure, characteristics and function of primary care so that practices can improve quality, reduce costs, and better satisfy the needs of patients and families.

**Amount:** $600,000  
**LOI:** October 30, 2009  
**Deadline:** November 18, 2009  
**Key Words:** Primary Care, Health Outcomes

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**Emergency Medicine**

**Octapharma Grants Program**

Octapharma Grants Program

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  
**Deadline:** September 15, 2010  
**Key Words:** Emergency Medical Services for Children

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**Defense Medical Research and Development Program Applied Research and Advanced Technology Development Award**

W81XWH-09-DRMDP-ARATDA  
Dept. of the Army -- USAMRAA

The DMRDP Applied Research and Advanced Technology Development Award is being offered for the first time in FY10. These awards are intended to provide support for research that is designed to advance state-of-the-art solutions for world class medical care...
with an emphasis on post-traumatic stress disorder (PTSD), TBI, prosthetics, restoration of eye sight and advancing eye care, and other conditions directly relevant to the injuries our service members are currently receiving on the battlefield, as well as the capability needs of the JFHP CONOPS. DMRDP efforts will assess scientific and/or military field deployment feasibility of promising new products, pharmacologic agents (drugs and biologics), behavioral and rehabilitation interventions, diagnostic and therapeutic devices, clinical guidance, supporting medical information and training systems, and/or emerging approaches and technologies. These awards are expected to yield potential health products, approaches, or technologies positioned for human testing. Awards under this announcement will consist solely of assistance agreements. This award is focused on applied research, defined as work that refines concepts and ideas into potential solutions with a view toward evaluating technical feasibility, and advanced technology development, defined as development of candidate solutions and components of early prototype systems up to the point where test and evaluation can be conducted in human trials or other relevant operational environments. Awards may support human studies but may not be used to support clinical trials. Awards may not be used to support fundamental basic research.

Amount: $970,000
LOI: N/R
Deadline: December 18, 2009
To learn more: http://www.grants.gov/search/search.do?mode=VIEW&oppId=49231

Key Words: TBI, Polytrauma, Hemorrhage Control, Tissue Viability, Blood Substitutes, Maxillofacial Injury

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**SRU’S Label-Free Technology Research Grants**

SRU Biosystems, Inc
SRU is dedicated to making quality label-free technology accessible to every laboratory. The power of label-free technology has been demonstrated across a broad set of applications in the pharmaceutical and biotech industries. However, the technology offers further possibilities through new and enabling applications in the academic community. We hope to encourage this development through our Label-Free Technology Grant program and assist researchers in answering their own unique scientific questions using the label-free BIND platform. While SRU scientists continue to expand our ever-growing list of cellular and biochemical applications, our customers will push BIND technology into new scientific areas.

Amount: BIND label-free detection system
LOI: November 20, 2009
Deadline: To learn more: http://www.srubiosystems.com/grants/

Key Words: SRU Technology

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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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**Eyes, Ears, Nose, Throat**

**Hope for Vision Annual Awards**

*New*
Hope for Vision supports research aimed at developing treatments and cures for retinal degenerative diseases, including retinitis pigmentosa, Usher syndrome, Stargardt’s disease, and macular degeneration. Hope for Vision provides grants to both up-and-coming and established researchers.

Amount: up to $150,000
LOI: N/R
Deadline: October 15, 2009
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

The Sigma Xi Grants-in-Aid of Research (GIAR) program

Sigma Xi
National Academy of Sciences

The Sigma Xi Grants-in-Aid of Research (GIAR) program has been providing undergraduate and graduate students with valuable educational experiences for more than 80 years. The program awards grants of up to $1,000 to students from all areas of the sciences and engineering. Designated funds from the National Academy of Sciences allow for grants of up to $5,000 for astronomy research and $2,500 for vision related research.

Amount: $2,500
LOI: N/R
Deadline: October 15, 2009
To learn more: http://www.sigmaxi.org/programs/giar/index.shtml
Key Words: Vision Related

Perception, Action & Cognition

PD 03-7252
NSF

Supports research on perception, action and cognition including the development of these capacities. Emphasis is on research strongly grounded in theory. Research topics include vision, audition, haptics, attention, memory, reasoning, written and spoken discourse, motor control, and developmental issues in all topic areas. The program encompasses a wide range of theoretical perspectives, such as symbolic computation, connectionism, ecological, nonlinear dynamics, and complex systems, and a variety of methodologies including both experimental studies and modeling. Research involving acquired or developmental deficits is appropriate if the results speak to basic issues of perception, action, and cognition.

Amount: unspecified
LOI: N/R
Deadline: January 15, Annually
To learn more: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5686
Key Words: Cognition, Vision, Attention, Memory

Research on Mild and/or Unilateral Hearing Loss

[(R21) [PA-07-037] and [(R01) [PA-07-038]

PA-07-037 and PA-07-038
NIDCD

This Funding Opportunity Announcement (FOA) solicits R01 applications to further our understanding of mild and unilateral hearing loss in infants and young children. This includes research on prevention, better diagnostic methods, and treatments for these forms of hearing loss that are often overlooked or minimized. Children with milder forms of hearing loss (e.g., < 40 dB HL) in one or both ears or any degree of hearing loss in one ear can experience difficulties in the areas of speech, language, behavior, academic, and other aspects of development.

Amount: $275,000 over a two-year period.
**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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**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: September 27, 2009, May 28, 2010

Deadline: October 27, 2009, June 28, 2010


Key Words: Communication, Deafness

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**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

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**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


**Key Words:** Cognate Receptors, Ligand-Receptor Binding, Pheromones, Taste, Odor

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**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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**National Glaucoma Standard Awards**

American Health Assistance Foundation

The standard award provides significant funding for researchers who have already generated some amount of preliminary data, but often still require significant progress before they can apply to governmental or industrial funding agencies.

**Amount:** $100,000

**LOI:** N/R

**Deadline:** October 23, 2009

To learn more: [http://www.ahaf.org/research/apply/main.html](http://www.ahaf.org/research/apply/main.html)

**Key Words:** Vision, Translational Research, Glaucoma

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**Family Medicine**

**Safety-net Enhancement Initiative**

The Kresge Foundation

The foundation’s Safety-net Enhancement Initiative seeks to demonstrate how community health centers can address health disparities, enhance service delivery and care, and improve outcomes through collaboration and regional partnerships.

**Amount:** $825,000
**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


**Key Words:** Community Health Organizations, Health Care Reform

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**Division of Behavioral and Cognitive Sciences Developmental and Learning Sciences (DLS)**

DLS supports fundamental research that increases our understanding of cognitive, linguistic, social, cultural, and biological processes related to children's and adolescents' development and learning. Research supported by this program will add to our basic knowledge of how people learn and the underlying developmental processes that support learning, with the objective of leading to better educated children and adolescents who grow up to take productive roles as workers and as citizens.

Among the many research topics supported by DLS are: developmental cognitive neuroscience; development of higher-order cognitive processes; transfer of knowledge from one domain or situation to another; use of molecular genetics to study continuities and discontinuities in development; development of peer relations and family interactions; multiple influences on development, including the impact of family, school, community, social institutions, and the media; adolescents' preparation for entry into the workforce; cross-cultural research on development and learning; and the role of cultural influences and demographic characteristics on development.

Additional priorities include research that: incorporates multidisciplinary, multi-method, microgenetic, and longitudinal approaches; develops new methods, models, and theories for studying learning and development; and integrates different processes (e.g., learning, memory, emotion), levels of analysis (e.g., behavioral, social, neural), and time scales (e.g., infancy, middle childhood, adolescence).

**Amount:** unspecified

**LOI:** N/R

**Deadline:** January 15, Annually


**Key Words:** Child Development, Learning, Attention, Adolescents

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**Research on Mild and/or Unilateral Hearing Loss**

([R21] PA-07-037) and ([R01] PA-07-038)

**PA-07-037 and PA-07-038**

NIDCD

This Funding Opportunity Announcement (FOA) solicits R01 applications to further our understanding of mild and unilateral hearing loss in infants and young children. This includes research on prevention, better diagnostic methods, and treatments for these forms of hearing loss that are often overlooked or minimized. Children with milder forms of hearing loss (e.g., < 40 dB HL) in one or both ears or any degree of hearing loss in one ear can experience difficulties in the areas of speech, language, behavior, academic, and other aspects of development.

**Amount:** $275,000 over a two-year period.

**LOI:** N/R

**Deadline:** Continuous, see link


**Key Words:**

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**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

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**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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**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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**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
Key Words: Family Medicine

Genomics

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

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:

Functional Genetics and Genomics of Drug Addiction (R01)
PA-07-166
NIH
Genetic and genomic studies have identified genes and gene variants that potentially modulate the fundamental biological mechanisms underpinning addictive processes. Discovery of these genes/variants, while extremely valuable, is only a first step in understanding molecular mechanisms of addiction. This Funding Opportunity Announcement encourages basic functional genomic research in two areas: 1. functional validation to determine which candidate genes/variants have an authentic role in addictive processes, and 2. detailed elucidation of the molecular pathways and processes modulated by candidate genes/variants, particularly for those genes with an unanticipated role in addiction.
Amount: not specified
LOI: N/R
Deadline: multiple; see announcement, continuous through January 2010
To learn more: http://grants1.nih.gov/grants/guide/pa-files/PA-07-166.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, expires 2011  
Key Words:

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**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, expires 2011  
Key Words:

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**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:

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**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
Cellular Systems Cluster
PD 04-1114
National Science Foundation (NSF)
The Cellular Systems Cluster, one of three thematic areas within the Division of Molecular and Cellular Biosciences, supports research, across all taxa, into the structure and organization of cells and the dynamics of cellular processes. Cell Biology is at a juncture where powerful new techniques in microscopy and biophysics (including live cell imaging, and the ability to study molecular function and behavior in the cell at high resolution, down to the single molecule level) are advancing rapidly. At the same time, modeling and computational approaches have developed to the point where they can, in concert with accurate and informative experimental datasets, generate predictive models that can be tested experimentally. The Cellular Systems cluster is interested not only in traditional areas of cell biology (such as the organization, function, and dynamics of membranes, organelles and other subcellular compartments, and intracellular and transmembrane signal transduction mechanisms and cell-cell signaling processes) but also in the development of quantitative, theory-driven approaches to cell biology that integrate experimental studies at the molecular genetic, biochemical, biophysical, transcriptomic and proteomic levels. Network theory (e.g., as applied to signal transduction) and molecular dynamic modeling (e.g., as applied to the structure/function relationships of cellular structures) are also of particular interest. While proposals using approaches and model systems traditional in the field of cell biology are welcome, studies focused on novel, unique approaches and on non-traditional model organisms are encouraged.

Amount: unspecified
LOI: N/R
Deadline: July 12, 2009 and January 12, 2010
To learn more: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12772

Key Words: Cell Biology

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/notice-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

Centers of Excellence in Genomics Science (CEGS) (P50)
PAR-08-094
National Institutes of Health (NIH)
The Centers of Excellence in Genomic Sciences (CEGS) program establishes academic Centers for advanced genome research. Each CEGS grant supports a multi-investigator, interdisciplinary team to develop innovative genomic approaches to address a particular biological problem. A CEGS project will address a critical issue in genomic science, proposing a solution that would be a very substantial advance. Thus, the research conducted at these Centers will entail substantial risk, balanced by outstanding scientific and management plans and very high potential payoff. A CEGS will focus on the development of novel technological or computational methods for the production or analysis of comprehensive data sets, or on a particular genome-scale biological problem, or on other ways to develop and use genomic approaches for understanding biological systems. Exploiting its outstanding scientific plan and team, each CEGS will nurture genomic science at its institution by facilitating the interaction of investigators from different disciplines, and by providing training of new investigators will expand the pool of professional genomics scientists and engineers.

Amount: $10,000,000
LOI: April 25, 2010
Deadline: May 25, 2010
To learn more: http://grants.nih.gov/grants/guide/notice-files/PAR-08-094.html
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: Jun 16, 2009
Key Words: Addictions, Alcohol or Alcoholism, Alcoholism Prevention, Genetics, Substance Abuse, Substance Abuse Prevention

Exploring Epigenomic Processes and Non-Coding RNAs in HIV/AIDS (R01) and (R21)
RFA-DA-10-010 and RFA-DA-10-011 and RFA-DA-10-012
National Institute on Drug Abuse (NIDA)
The purpose of this FOA issued by the National Institute of Drug Abuse, National Institutes of Health, is to enhance our understanding of the role of epigenomics in HIV infection and pathogenesis in combination with substance abuse. This FOA invites applications proposing innovative research to stimulate new areas of research or develop new approaches to existing studies. Newly-formed collaborations to foster sharing of expertise between the fields of HIV/AIDS, drug abuse, and epigenomics research are encouraged.
Amount: $3,750,000
LOI: November 23, 2009
Deadline: December 23, 2009
Key Words: Epigenetics, Substance Abuse, HIV/AIDS

Notice of Intent to Publish a Request for Applications for Exploring Epigenomic Processes and Non-Coding RNAs in HIV/AIDS (R01, R21)
NOT-DA-09-010
National Institute on Drug Abuse (NIDA)
The National Institute on Drug Abuse (NIDA) intends to issue a set of Requests for Applications (RFA) to solicit applications for research addressing the role of epigenomics in HIV infection and pathogenesis in combination with substance abuse. The RFA will encourage a broad range of interdisciplinary research, using in vitro, animal and human approaches to address these interactions. Studies may include 1) epigenomic regulation of HIV infection, 2) epigenomic processes associated with specific patterns of disease progression in individuals with a history of substance abuse, and 3) the effects of epigenomic changes associated with drug abuse on HIV infection and disease progression. Proposed research must focus on HIV/AIDS, must have a significant epigenomic or non-coding regulatory RNA component, and must include a component related to drugs of abuse. Studies using samples from drug abusing populations or relevant in vivo or in vitro model systems would be appropriate.
This notice is being provided to allow potential applicants sufficient time to develop meaningful collaborations and responsive projects. This RFA will utilize the R01 and R21 grant mechanisms. The RFA is expected to be published in September 2009 with an expected receipt date in December 2009.
Amount: 
LOI: 
Deadline: Released July 31, 2009
To learn more: http://grants.nih.gov/grants/guide/notice-files/NOT-DA-09-010.html
Key Words: HIV/AIDS, Drugs of Abuse

Import Key Words: Genome Research
Mouse Models Containing Human Alleles: Novel Tools to Study Brain Function (R21/R33)
PAR-08-158
National Institute of Mental Health
National Institute on Aging
National Institute on Alcohol Abuse and Alcoholism
National Institute on Drug Abuse
This Funding Opportunity Announcement invites Phased Innovation (R21/R33) grant applications from organizations/institutions that propose the development and characterization of novel mouse models that express human genes or human genetic elements that can aid in understanding the molecular mechanisms underlying brain function and the physiological function/significance of gene variants and gene dosage abnormalities that have been identified as possibly being involved in mental disorders, addiction, neurodegenerative disorders of aging, and alcoholism as well as related comorbid conditions.
Amount: $150,000
LOI: 30 days prior to application receipt date
Deadline: multiple dates (January 28, 2010; 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

Deep Sequencing and Haplotype Profiling of Mental Disorders (Collaborative R01)
PA-08-198
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/PA-08-198.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.
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 on Aging
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: Genetics, Genomics

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 and Skin Diseases
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.
Deadline: September 24, 2009, September 24, 2010
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-138.html
Key Words:

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: August 31, 2009; June 1, 2010; June 1, 2011
**HLA Region Genomics in Immune-Mediated Diseases (U01, U19)**
RFA-AI-09-030
National Institute of Allergy and Infectious Diseases (NIAID)
National Institute of Neurological Disorders and Stroke (NINDS)
The National Institute of Allergy and Infectious Diseases (NIAID) and the National Institute of Neurological Disorders and Stroke (NINDS) invite new and renewal applications from institutions to participate in the HLA Region Genomics in Immune-Mediated Diseases Consortium (HLAGC), a cooperative research group whose goals are to define the association between variations in the human leukocyte antigen (HLA) and natural killer cell immunoglobulin-like receptor (KIR) genetic regions and immune-mediated diseases, including autoimmune diseases, primary immunodeficiencies, graft-versus-host disease (GVHD), and graft rejection in organ, tissue, and cell transplantation.

**Amount:** $6,000,000

**LOI:** October 19, 2009

**Deadline:** November 19, 2009


**Key Words:** Immune-Mediated Diseases, NK Cells, HLA, Graft versus Host Disease (GVHD)

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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 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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**NIH Exploratory/Developmental Research Grant Program (Parent R21)**
PA-09-164
National Eye Institute (NEI)
National Heart, Lung and Blood Institute (NHLBI)
National Human Genome Research Institute (NHGRI)
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. All investigator-initiated exploratory/developmental 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.

Amount: $275,000
LOI: N/R
Deadline: Standard dates apply

Key Words: Biomedical, Behavioral, or Clinical Research

### 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. 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

### Epigenetic Processes in Development (R21)

RFA-HD-09-033

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 (NIH), solicits Exploratory/Developmental Research Grant (R21) applications from institutions/organizations that propose to investigate the role of epigenetic processes at key points during normal and/or pathological embryonic, fetal, childhood, adolescent and reproductive development that are relevant to the NICHD's mission areas. Projects should focus on epigenetic processes or changes in epigenetic marks associated with, causing or resulting from attaining a developmental milestone. Comparisons of the epigenetic state between distinct developmental stages or comparisons between normal and perturbed development at a distinct stages that will elucidate potential epigenetic mechanisms underlying normal development are also encouraged.

Amount: $275,000
LOI: October 15, 2009
Deadline: November 18, 2009

Key Words: Epigenetics

### 2009 Request for Research Proposals

Barth Syndrome Foundation

The Barth Syndrome Foundation, a nonprofit organization that strives to save lives through education, advances in treatment, and pursuit of a cure for Barth syndrome, has announced the availability of funding for research internationally on the natural history, biochemical basis, and treatment of Barth syndrome.

Amount: $40,000
LOI: N/R
Deadline: October 31, 2009
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

Geriatrics/Aging
Secondary Analyses of Existing Data Sets and Stored Biospecimens to Address Clinical Aging Research Questions (R01)
New
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

Summer Research Training in Aging for Medical Students (T35)
New
RFA-AG-10-007
National Institute on Aging
This program provides support for short-term research training for medical students in aging research.
Amount:  up to $130,000
LOI:  November 3, 2009
Deadline:  December 3, 2009
To learn more:  http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-10-007.html
Key Words:  Medical Student Fellowships, Aging, Geriatrics

2010 Leadership in Aging Fellowship Program
New
To learn more:  http://www.barthsyndrome.org/english/View.asp?x=1635
Key Words:  Cardiomyopathy, Neutropenia, Skeletal Muscle Weakness, Exercise Intolerance, Growth Delay, and Diverse Biochemical Abnormalities (including defects in mitochondrial metabolism and phospholipid biosynthesis), Bath Syndrome, X-Linked Diseases
Brookdale Foundation

The two-year fellowship is open to all professionals in the field of aging. Applications are sought from a broad range of related disciplines, including the medical, biological, and basic sciences; nursing; social sciences; and the arts and humanities. Each candidate must demonstrate leadership potential, provide evidence of an ongoing commitment to a career in aging, have a mentor (or mentors) willing and able to provide meaningful professional guidance to the candidate, agree to commit at least 75 percent of his or her time for career development during each of the two years of the fellowship, and propose a project related to the field of aging that will contribute to his or her career development and leadership skills. Candidates should generally be between the first and tenth years of their graduate degree.

Amount: $250,000
LOI: N/R
Deadline: November 5, 2009
To learn more: http://www.brookdalefoundation.org/Leadership/Fellows/fellows.html

Key Words: Aging, Geriatrics

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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; expires January 2011

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, expires January 2011

Key Words:

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**Alzheimer's Disease Pilot Clinical Trials (R01)**

PAR-08-062
NIH

This Funding Opportunity Announcement (FOA) issued by the National Institute on Aging (NIA), the National Center for Complementary and Alternative Medicine (NCCAM), and the National Institute of Nursing research (NINR), National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/ organizations that propose to initiate pilot clinical trials for treatment or prevention of MCI, AD, and/or age –related cognitive decline.

Amount: up to $450,000 per year for 3 years
LOI: N/R
Deadline: multiple, see link
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-062.html

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

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
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.

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

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.

Key Words: Bioenergetics, Fatigability, Activity Limitations in Aging (R01) and (R21) and (R03)

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.

Key Words: Mechanisms Underlying the Links between Psychosocial Stress, Aging, the Brain and the Body (R01)
Aging Research Dissertation Awards to Increase Diversity (R36)
PAR-08-250
National Institute on Aging (NIA)
The National Institute on Aging (NIA) announces the reissuance of a Funding Opportunity Announcement (FOA) that provides dissertation awards (R36) in all areas of research within NIA’s mandate to increase diversity of the research workforce on research on aging and aging-related health conditions. These awards are available to qualified Predoctoral students in accredited research doctoral programs in the United States (including Puerto Rico and other U.S. territories or possessions).
Amount: $250,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-250.html
Key Words: Psychosocial Tress, Geriatrics, Aging

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: Geriatrics, Gerontology

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

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
Healthy Aging through Behavioral Economic Analyses of Situations (R01)

RFA-AG-10-008

National Institute on Aging (NIA)

The National Institute on Aging (NIA), National Institutes of Health, solicits Research Project Grant (R01) applications that propose to translate basic findings from Behavioral Economics into behavior change interventions targeting health behaviors associated with chronic health conditions of mid-life and older age. Applications should propose small pilot clinical trials or demonstration projects, ideally based on collaborations between individuals with expertise in behavioral economics and psychologists, psychiatrists, clinicians, or others with expertise in aging or implementing behavioral interventions.

Amount: $525,000
LOI: October 2, 2009
Deadline: November 2, 2009


Key Words: Behavioral Economics, Chronic Health Conditions, Older Age, Geriatrics, 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


Key Words: Aging, Databases

Translational Research at the Aging/Cancer Interface

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

PA-08-230 and PA-08-231

National Institute on Aging (NIA)

This Funding Opportunity Announcement (FOA) issued by the National Institute on Aging, National Institutes of Health, encourages research grant applications from institutions/organizations that propose translational research in the overlapping areas of human aging and cancer, linking basic and clinical research relevant to the care of older cancer patients through both “bench to bedside” and “bedside to bench” approaches. Ultimately, information from the research supported by this initiative should improve the health and well-being of elderly patients at risk for, or diagnosed with, cancer and decrease the functional impairment and morbidity associated with cancer in this population.

Amount: $350,000
LOI: N/R
Deadline: standard dates apply


Key Words: Aging, Cancer

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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**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

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

Key Words: Animal Models

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**Medication Optimization Diffusion Grants Program**

Center for Technology and Aging

Medication optimization refers to a wide variety of technologies designed to help manage medication information, dispensing, adherence, and tracking. Programs eligible for grants must use technologies that are ready to be used more broadly. Grantees will be expected to have prior experience with medication optimization technologies and will need to demonstrate a positive and measurable impact in the near term, including reducing the likelihood that older adults will be moved to more intensive, high-cost care settings. Most important, programs receiving grants will need to propose a strategy for successfully integrating their technology into the fabric of state and national healthcare delivery and reimbursement systems.

Amount: $100,000
LOI: October 2, 2009
Deadline: November 9, 2009
To learn more: [http://www.techandaging.org/grants_home.html](http://www.techandaging.org/grants_home.html)

Key Words: Health Care Delivery, Health Care Costs, Medication Optimization
2010 Julie Martin Award in Aging Research
American Federation for Aging Research (AFAR)
Ellison Medical Foundation
the Julie Martin Mid-Career Award in Aging Research provides support for outstanding mid-career scientists who propose novel
directions of high importance to biological gerontology.
Proposals in areas where NIH awards or other traditional funding sources are unlikely to be provided because the research is high risk
are particularly encouraged if they have potential to lead to major new advances in the understanding of basic mechanisms of aging.
Projects investigating age-related diseases are also supported, but only if approached from the point of view of how basic aging
processes may lead to these outcomes.
Amount:  $500,000
LOI:  N/R
Deadline:  December 15, 2009
To learn more:  http://foundationcenter.org/pnd/rfp/rfp_item.jhtml?id=264000012
Key Words: Mid-Career Scientists, Aging

The 2010 AFAR Research Grants
American Federation for Aging Research (AFAR)
The major goal of this program is to assist in the development of the careers of junior investigators committed to pursuing careers in the
field of aging research. AFAR supports research projects concerned with understanding the basic mechanisms of aging. Projects
investigating age-related diseases are also supported, especially if approached from the point of view of how basic aging processes
may lead to these outcomes. Projects concerning mechanisms underlying common geriatric functional disorders are also encouraged,
as long as these include connections to fundamental problems in the biology of aging. Projects that deal strictly with clinical problems
such as the diagnosis and treatment of disease, health outcomes, or the social context of aging are not eligible.
Amount:  $75,000
LOI:  N/R
Deadline:  December 15, 2009
To learn more:  http://afar.org/afar99.html
Key Words: Aging and Immune Function, Neurobiology & Neuropathology of Aging, Aging & Cellular stress Resistance,
Metabolic & Endocrine Changes, Age-Related Changes in Cell Proliferation, DNA Repair & Control of Gene Expression

2010 Association of Specialty Professors-AAAAI Geriatrics Development Initiative Junior Faculty Development
Award.
American Academy of Allergy, Asthma, and Immunology
The American Academy of Allergy, Asthma, and Immunology is accepting applications for the 2010 Association of Specialty Professors-
AAAAI Geriatrics Development Initiative Junior Faculty Development Award. The award funds the early stages of academic career
development for allergy and immunology specialists in geriatric medicine.
Amount:  $112,500
LOI:  N/R
Deadline:  October 15, 2009
To learn more:  http://foundationcenter.org/pnd/rfp/rfp_item.jhtml?id=264700043
Key Words: Aging, Allergy, Asthma

2010 ADDF/LBDA Lewy Body Dementia Biomarker Research Award
Alzheimer’s Drug Discovery Foundation
The Alzheimer’s Drug Discovery Foundation (ADDF) and The Lewy Body Dementia Association (LBDA) are issuing a Request for
Proposals for the 2010 ADDF/LBDA Lewy Body Dementia Biomarker Research Award. This award will provide $100,000 for one year
of support to catalyze a research project focused on developing innovative biomarkers that aid in early diagnosis, detection and disease
monitoring of Lewy Body Dementia.
Amount:  $100,000
LOI:  N/R
Deadline:  November 1, 2009
To learn more:  http://www.alzdiscovery.org/index.php/research-programs/grant-opportunities
Key Words: LBDA, Lewy Body, Dementia, Neurodegeneration, Biomarkers

Heart and Vascular
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; expires January 2011

Key Words: Pilot Studies for Studying the Mechanisms of Improvement in Type 2 Diabetes and Cardiovascular Risk Factors or in Cardiovascular, Lung, or Sleep Diseases after Bariatric Surgery (R01)

Pilot Studies for Studying the Mechanisms of Improvement in Type 2 Diabetes and Cardiovascular Risk Factors or in Cardiovascular, Lung, or Sleep Diseases after Bariatric Surgery (R01)

RFA-DK-09-012

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

National Heart Lung and Blood Institute (NHLBI)

This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases and the National Heart, Lung, and Blood Institute, National Institutes of Health encourages Research Project Grant (R01) applications from Institutions/organization that propose to determine the optimal research design as well as collect pilot data on feasibility and implementation for a randomized clinical trial of the effects of bariatric surgery on type 2 diabetes and cardiovascular risk factors in people with type 2 diabetes or in cardiovascular, lung and sleep diseases in people. All studies should focus on subjects with a BMI of 30 to 40.

Amount: $1,200,000
LOI: October 22, 2009
Deadline: November 19, 2009
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-09-012.html

Key Words: BMI, Bariatric Surgery, health Outcomes

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

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

PA-09-181

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Heart Lung and Blood Institute (NHLBI)

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

Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-181.html

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

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

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 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: December 14, 2009; August 14, 2010; December 14, 2010; August 14, 2011; December 14, 2011

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

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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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**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: 
Deadline: Released September 11, 2010

**Key Words**: Hypertension, Arterial Stiffening

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

PA-09-232

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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

Immunology

BAA ANNOUNCEMENT: Development of Technologies to Facilitate the use of, and Response to, Biodefense Vaccines - BAA-NIAID-DMID-NIHAI2009055

New
NOT-AI-09-052
National Institute of Allergy and Infectious Diseases (NIAID)
The primary objective of this solicitation is to support the advanced development of a candidate product, which consists of a vaccine component and a delivery technology, for use in post-event settings following the intentional release of a biothreat agent or naturally occurring outbreaks of infectious diseases. In this type of setting, simplicity of operation and efficiency of delivery of the vaccine to and the effectiveness in large numbers of patients, are primary goals.
Candidate products that reduce the time to establish immunity, increase vaccine stability and/or reduce logistical requirements are important secondary objectives and would further enhance the capabilities of a candidate product that is easily delivered.
BAA NIH-NIAID-NIHAI2009055 will be available electronically on or about August 18, 2009, and may be accessed at http://www.fbo.gov/. Only electronic copies of the BAA will be available. All information required for the submission of an offer will be contained in the BAA.
Amount: varies
LOI: N/R
Deadline: November 18, 2009
To learn more: http://grants.nih.gov/grants/guide/notice-files/NOT-AI-09-052.html
Key Words: Vaccines

Nonhuman Primate Core Cellular Immunology Laboratory For Aids Vaccine Research And Development

New
RFP-NIAID-DAIDS-NIHAI2009071
National Institute of Allergy and Infectious Diseases (NIAID)
The purpose of the proposed contract will be to support the conduct, improvement, and development of assays designed to evaluate and characterize the cellular immune responses of NHPs that have been immunized with candidate HIV or SIV vaccines or infected with SIV, SHIV, or HIV in studies conducted at the NIAID SVEU contract sites or by NIH-supported investigators.
Amount: unspecified
LOI: Pre-solicitation notice
Deadline: December 3, 2009
To learn more: https://www.fbo.gov/index?s=opportunity&mode=form&id=fb1f596783a04fa4df94fd8bdad704&tab=core&cview=1
Key Words: Nonhuman Primate, Immunological Screening, GLP

Biological Systems Research on the Role of Microbial Communities in Carbon Cycling

DE-PS02-09ER09-25
U.S. Department of Energy (DOE)
In this Funding Opportunity Announcement (FOA), applications are solicited for: i.) Systems-level studies on regulatory and metabolic networks of microbes and microbial consortia involved in biogeochemical cycling of carbon, ii.) Development of metatranscriptomic, metaproteomic, and other genome-enabled approaches to understand how shifts in environmental variables impact microbially-mediated carbon cycling processes in terrestrial ecosystems, and iii.) Development of methods and techniques for imaging and analysis of microbially-mediated carbon cycling processes in terrestrial ecosystems.
Amount: unspecified
LOI: August 25, 2009
Deadline: November 9, 2009
To learn more: http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&opplId=48292
2010 cycle of the LRF Postdoctoral Fellowship Awards Program

The Lymphatic Research Foundation (LRF)
The Lymphatic Research Foundation (LRF) is pleased to announce the 2010 cycle of the LRF Postdoctoral Fellowship Awards Program. The goal of the Program is to expand and strengthen the pool of outstanding junior investigators in the field of lymphatic research. The awards will support investigators who have recently received their doctorates, which is a critical point in career development when young scientists choose their lifelong research focus. LRF, a not-for-profit organization, is committed to promoting and supporting basic and translational research, and to fostering an interdisciplinary field of research that will result in improved understanding and/or advances in the prevention, diagnosis and treatment of lymphatic diseases, lymphedema and related disorders. Projects in lymphoma or leukemia research are currently outside the scope of this program.

Amount: Two-year fellowships from $39,500 - $47,500 annually
LOI: N/R
Deadline: December 1, 2009
To learn more: http://www.lymphaticresearch.org/main.php?menu=research&content=funding&txt=Research%20%20Programs

Chronic Fatigue Syndrome: Pathophysiology and Treatment

([R01] PA-08-246) and ([R21] PA-08-247)

PA-08-246 and PA-08-247
Office of Research on Women's Health
National Center for Complementary and Alternative Medicine
National Institute on Aging
National Institute on Alcohol Abuse and Alcoholism
National Institute of Allergy and Infectious Diseases
National Institute of Arth

This Funding Opportunity Announcement (FOA) issued by the Office of Research on Women's Health (ORWH) and co-sponsoring Institutes and Centers (ICs) of the National Institutes of Health (NIH) encourages investigator(s)-initiated applications that propose to examine the etiology, diagnosis, pathophysiology, and treatment of chronic fatigue syndrome (CFS), also known as myalgic encephalomyelitis (ME/CFS) in diverse groups and across the lifespan. Innovative applications that address gaps in the understanding of the environmental and biological risk factors, the determinants of heterogeneity among patient populations, and the common mechanisms influencing the multiple body systems that are affected in CFS are encouraged. The NIH is particularly interested in funding interdisciplinary research that will enhance our knowledge of the disease process and provide evidence based solutions to improve the diagnosis, treatment, and quality of life of all persons with CFS. This FOA will utilize the NIH Research Project Grant (R01) award mechanism and runs in parallel with a FOA of identical scientific scope, PA-08-247, that encourages applications under the NIH Exploratory/Developmental (R21) grant mechanism.

Amount: varies
LOI: N/R
Deadline: standard dates apply
Key Words: Myalgic Encephalomyelitis, Chronic Fatigue Syndrome, CFS

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
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-γ), 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:

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

Basic HIV Vaccine Discovery Research (R01)
RFA-AI-09-024
National Institute on 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 stimulate the discovery of an effective prophylactic HIV-1 vaccine by soliciting Research Project Grant (R01) applications for hypothesis-driven basic research in HIV/AIDS, and general virology and immunology focused on that aim. The emphasis is on discovery, including the identification of new concepts and approaches that will inform the design of an optimal prophylactic HIV-1 vaccine, or the implementation of applicable concepts and/or approaches that have been employed successfully in the development of vaccines for other infections.

Amount: $2,000,000
LOI: October 9, 2009
Deadline: November 9, 2009
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-024.html

Key Words: Vaccines, HIV/AIDS, Immunology

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
Research on Alcohol and HIV/AIDS

[(R01) PA-07-028]

This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Institutes of Health, solicits Research Project Grant (R01) applications from institutions/organizations that propose to identify and characterize the role of alcohol, drinking behaviors, and drinking environments in the epidemiology and natural history, pathogenesis, prevention, treatment and control of HIV/AIDS.

Amount: varies
LOI: N/R
Deadline: standard dates apply (Sep 07, 2009)

Key Words: Alcohol, Tissue Damage, Alcohol Disease

Dynamics of Host-Associated Microbial Communities (R01)

RFA-GM-11-001
National Institute of General Medical Sciences (NIGMS)
This Funding Opportunity Announcement (FOA) issued by the National Institute of General Medical Sciences (NIGMS), National Institutes of Health (NIH), solicits applications that propose genetic, physiological, and ecological studies designed to reveal the basic principles and mechanisms that govern the symbiotic systems dynamics of microbial communities.

Amount: $1,250,000
LOI: December 15, 2009
Deadline: January 15, 2010

Key Words: Microbial Communities, Biofilms

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

Key Words: Erythropoiesis

Oral Mucosal Vaccination against HIV Infection (R01)

RFA-DE-10-001
National Institute of Dental and Craniofacial Research
This FOA issued by the NIDCR, NIH, solicits R01 applications that focus on harnessing oral mucosal and innate immunity to develop prophylactic HIV vaccines delivered through the oral mucosa. Specifically, the NIDCR is seeking applications that will address studies on the: 1) mechanisms linking oral mucosal and innate immunity with systemic adaptive immunity; 2) development of HIV vaccine antigens in oral expression vectors that are stable in the oral cavity and have the ability to trigger anti-HIV protective immunity; 3)
mechanisms of HIV infection of target cells in the oral cavity (e.g., epithelial cells and immune cells) and effects of oral dendritic (DC), and natural killer (NK) cell subset changes during disease progression or upon oral mucosal HIV vaccination; 4) DC-NK cells cross-talk in the oral cavity and relationship to systemic adaptive immunity upon oral mucosal HIV vaccination; 5) similarities and differences between DC-NK cells cross-talk in the oral mucosal site compared with other mucosal sites, and 6) characterization of soluble defense molecules produced in oral secretions upon oral mucosal HIV vaccination. This FOA welcomes applications that further develop already characterized target vaccine antigens and formulations and relevant model antigens for oral delivery, target validation and early preclinical evaluation in relevant animal models. This FOA will not support basic vaccine antigen discovery, HIV vaccine clinical trials, projects on enteric vaccines for oral delivery, projects on nasal delivery methods for oral mucosal HIV vaccines, or therapeutic vaccine research.

Amount: varies
LOI: November 2, 2009
Deadline: December 2, 2009
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-10-001.html

Key Words: Mucosal Vaccines, HIV

Consortium of Food Allergy Research (CoFAR) and CoFAR Statistical and Clinical Coordinating Center (CoFAR SACCC) (U19 and U01)

RFA-AI-09-039
National Institute of Allergy and Infectious Diseases
National Institute of Diabetes and Digestive and Kidney Diseases
This FOA issued by the National Institute of Allergy and Infectious Diseases (NIAID) and the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health (NIH), solicits grant applications for the continuation and expansion of the Consortium of Food Allergy Research (CoFAR). The Consortium will consist of a collaborative clinical research program to develop new approaches to treat and prevent IgE-mediated food allergy, including food allergy-associated anaphylaxis and food allergy-associated eosinophilic gastrointestinal disease (EGID). Within the context of these disorders, the goals of the program are to: (1) develop immune intervention strategies for prevention and treatment, (2) identify the mechanisms underlying the natural histories of these disorders, and (3) define the genetic components of these disorders. The consortium may consist of both collaborative multi-project as well as individual research projects. In addition this FOA will provide support for one Statistical and Clinical Coordinating Center (SACCC) to support the clinical research.

Amount: up to $4,000,000
LOI: October 9, 2009
Deadline: November 10, 2009
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-039.html

Key Words: Food Allergies

Investigations on Primary Immunodeficiency Diseases (R01)

PAR-08-206
National Institute of Allergy and Infectious Diseases (NIAID)
The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Institute of Neuro
This FOA to supports applications from institutions/organizations that propose innovative investigations in primary immunodeficiency diseases with a focus on ex vivo studies with human specimens and on studies with existing or new animal models. This FOA will also support novel clinical strategies, not including clinical trials, to detect primary immunodeficiency diseases, to identify the molecular basis of these diseases, and to develop innovative therapies for primary immunodeficiency diseases. Investigators who have no prior history of receiving independent NIH funding in this field are encouraged to apply.

Amount: unspecified
LOI: 30 days prior to submission
Deadline: standard dates apply
To learn more: http://grants.nih.gov/grants/qa-files/PAR-08-206.html

Key Words: Immunodeficiency Diseases

HLA Region Genomics in Immune-Mediated Diseases (U01, U19)

RFA-AI-09-030
National Institute of Allergy and Infectious Diseases (NIAID)
National Institute of Neurological Disorders and Stroke (NINDS)
The National Institute of Allergy and Infectious Diseases (NIAID) and the National Institute of Neurological Disorders and Stroke (NINDS) invite new and renewal applications from institutions to participate in the HLA Region Genomics in Immune-Mediated Diseases Consortium (HILAGC), a cooperative research group whose goals are to define the association between variations in the human leukocyte antigen (HLA) and natural killer cell immunoglobulin-like receptor (KIR) genetic regions and immune-mediated...
diseases, including autoimmune diseases, primary immunodeficiencies, graft-versus-host disease (GVHD), and graft rejection in organ, tissue, and cell transplantation.

**Amount:** $6,000,000

**LOI:** October 19, 2009

**Deadline:** November 19, 2009


**Key Words:** Immune-Mediated Diseases, NK Cells, HLA, Graft versus Host Disease (GVHD)

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**Ancillary Studies in Immunomodulation Clinical Trials (R01)**

RFA-AI-08-011

National Institute of Allergy and Infectious Diseases (NIAID)

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

National Institute of Neurological Disorders and Stroke (NINDS)

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

This FOA invites R01 applications for mechanistic studies in clinical trials of: (1) immunomodulatory interventions for immune system mediated diseases, including, but not limited to: asthma and allergic diseases; graft rejection in solid organ, cell, and tissue transplantation; graft versus host disease in hematopoietic stem cell transplantation; and chronic inflammatory, autoimmune, and immunodeficiency diseases; and (2) preventative and therapeutic, vaccines for non-HIV/AIDS infectious diseases, including NIAID Category A, B, and C agents of bioterrorism and emerging/re-emerging infectious diseases. This FOA is a renewal with modifications of RFA AI-05-028. In order to review and confer awards to grant applications received in response to this FOA in a timely fashion, without delay of the parent clinical trial, applications submitted in response to the FOA will be subject to an accelerated review/award process. Highly meritorious applications selected for funding under this FOA may receive their awards as early as thirteen weeks after the application receipt date. Holidays and other circumstances may alter this schedule slightly.

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

**LOI:** Thirty days prior to application receipt date

**Deadline:** MONTHLY on the ninth of each month


**Key Words:** Immunomodulation, Graft Rejection, Immune System

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**NIAID Research Scholar Development Award (K22)**

PAR-09-068

National Institute of Allergy and Infectious Diseases (NIAID)

The purpose of the NIAID Research Scholar Development Award (RSDA) program is to increase and maintain a strong cohort of new and talented NIH-supported independent investigators that will address the health needs of the Nation. The NIAID RSDA is specifically designed to facilitate the transition from a postdoctoral research position to an independent research position.

**Amount:** varies

**LOI:** N/R

**Deadline:** Standard dates apply


**Key Words:** Allergy, Infectious Disease

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**B Cell Immunology Partnership Program For HIV-1 Vaccine Discovery (U19)**

RFA-AI-09-022

National Institute of Allergy and Infectious Diseases (NIAID)

This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health, (NIH) solicits grant applications from institutions/organizations that propose multidisciplinary research to define the basic immune mechanisms by which a broadly cross-reactive neutralizing antibody response can be elicited in uninfected individuals to protect against infection by a broad range of HIV-1 strains. Specifically, this FOA will support innovative studies to identify new HIV-1 envelope immunogens and immunization strategies for induction of broadly cross-reactive neutralizing antibody, and basic B cell immunology research designed to increase fundamental knowledge of the immunological mechanisms involved in the induction and regulation of immune responses leading to an HIV-1 broadly cross-reactive neutralizing antibody response. Preliminary data are required, and expertise in basic immunology and the HIV-1 virus should be evident. This multi-project cooperative agreement grant program will support a partnership to communicate ideas and progress among recipients of U19 awards as well as recipients of previous U01 awards issued under B Cell Immunology for Protective HIV-1 Vaccines (RFA–AI-07-014). Clinical trials will not be supported by this FOA.

**Amount:** $5,000,000

**LOI:** November 4, 2009

**Deadline:** December 4, 2009

Highly Innovative Tactics to Interrupt Transmission of HIV (HIT-IT) (R01)
RFA-AI-09-037
National Institute of Allergy and Infectious Diseases (NIAID)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), solicits Research Project Grant (R01) applications from institutions/organizations that aim to stimulate the discovery, design and early preclinical evaluation of highly innovative, risky but rational approaches that could provide long-term protection from acquiring HIV infection. Recent setbacks in the vaccine and other biomedical prevention fields have raised several questions leading to increased interest for additional alternative track and untested outside-the-box approaches, highlighting the need for new and innovative paradigms for discovering and developing fresh prevention strategies. The proposed work is expected to explore novel hypotheses or address difficult problems, the solutions to which could have a significant impact on finding methods to interrupt HIV transmission. The research proposed is expected to focus on verifying a hypothesis or solving a problem for the field. The program is open to established and new investigators and does not require research expertise in the area of HIV prevention as a prerequisite for submitting an application.
Amount: $2,000,000
LOI: October 2, 2009
Deadline: November 3, 2009
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-037.html
Key Words: HIV Infection, Transmission

Recovery Act Limited Competition: Protection of Human Health by Immunology and Vaccines (U01, U19)
RFA-AI-09-040
National Institute of Allergy and Infectious Diseases (NIAID)
This NIH Funding Opportunity Announcement (FOA), supported by funds provided to the NIH under the American Recovery & Reinvestment Act of 2009 ("Recovery Act" or "ARRA"), Public Law 111-5, invites new applications from single domestic institutions, or consortia of institutions, to participate in creating a network of human immunology profiling research groups. Applications are sought that propose to study human immune responses (1) following infection, (2) prior to and following vaccination against an infectious disease, or (3) prior to and following treatment with an immune adjuvant that targets a known innate immune receptor(s). The purpose of this FOA is to capitalize on recent advances in immune profiling to measure the diversity of human immune responses under a variety of conditions, using bioinformatic, multiplex, and/or systems biology approaches to study samples from well-characterized human cohorts and to measure aspects of the human transcriptome and/or proteome.
Amount: $20,000,000
LOI: September 15, 2009
Deadline: October 15, 2009
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-040.html
Key Words: Immune Responses

Dissecting the Early HIV Immune Response: A Systems Biology Approach (P01)
RFA-AI-09-018
National Institute of Allergy and Infectious Diseases (NIAID)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), solicits Program Project Grant (P01) applications that propose systems biology analyses of early immune responses to HIV/SIV exposure or infection. The goal of the HIV Systems Biology Program is to gain a more comprehensive understanding of networks or interacting components in early immune responses to HIV/SIV in order to predict systems behavior that informs the outcome of HIV/SIV exposure or infection. Mechanism of Support. This FOA will use the NIH Program Project (P01) grant mechanism. Each Program Project application must consist of at least two projects sharing a common theme, focus or overall objective and an Administrative and Data Management Core.
Amount: $12,500,000
LOI: November 2, 2009
Deadline: December 1, 2009
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-018.html
Key Words: HIV/AIDS, Systems Biology

NIH Exploratory/Developmental Research Grant Program (Parent R21)
PA-09-164
National Eye Institute (NEI)
National Heart, Lung and Blood Institute (NHLBI)
National Human Genome Research Institute (NHGRI)
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. All investigator-initiated exploratory/developmental 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.

Amount:  $275,000  
LOI:  N/R  
Deadline:  Standard dates apply  
Key Words:  Biomedical, Behavioral, or Clinical Research

**Antibody Technology Program**  
DARPA-BAA-09-69  
Defense Science Office (DARPA-DSO)  
DARPA is interested in reviewing proposals that describe innovative research towards developing and demonstrating the ability to simultaneously improve antibody stability and control antibody affinity. The goal of the Antibody Technology Program is to enable multiplexed, antibody-based biosensors that have long shelf life and operate in harsh environments that are relevant to the DoD mission.

Amount:  unspecified  
LOI:  September 30, 2009  
Deadline:  November 16, 2009  
Key Words:  Antibody

**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

**Grand Challenges Explorations Round 4**  
Bill & Melinda Gates Foundation  
Guided by the belief that every life has equal value, the Bill & Melinda Gates Foundation works to help all people lead healthy, productive lives. In developing countries, it focuses on improving people's health and giving them the chance to lift themselves out of hunger and extreme poverty. In the United States, it seeks to ensure that all people - especially those with the fewest resources - have access to the opportunities they need to succeed in school and life.  
Topics for Round 4 are:
Create New Technologies for Contraception
Create New Ways to Induce and Measure Mucosal Immunity
Create Low-Cost Diagnostics for Priority Global Health Conditions
Create New Ways to Protect Against Infectious Disease.

Amount:  $100,000  
LOI:  N/R  
Deadline:  November 2, 2009  
To learn more:  [http://www.grandchallenges.org/Explorations/Pages/ApplicationInstructions.aspx](http://www.grandchallenges.org/Explorations/Pages/ApplicationInstructions.aspx)  
Key Words:  Diagnostics, Infectious Disease Prevention, Mucosal Immunity
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 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.

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

American Skin Association Announces 2010 Requests for Research Proposals
American Skin Association
The American Skin Association, a nonprofit organization dedicated to saving lives and alleviating human suffering caused by the full spectrum of skin disorders and cancer through research, education, and prevention, is seeking proposals for its 2010 grant cycle.

Amount: varies
LOI: N/R
Deadline: Multiple dates; see program announcement
To learn more: http://www.americanskin.org/

Key Words: Skin Disorders, Melanoma, Psoriasis/Inflammatory Diseases, Vitiligo/Pigment Cell Biology, and Childhood Diseases

2010 Association of Specialty Professors-AAAAI Geriatrics Development Initiative Junior Faculty Development Award.
American Academy of Allergy, Asthma, and Immunology
The American Academy of Allergy, Asthma, and Immunology is accepting applications for the 2010 Association of Specialty Professors-AAAAI Geriatrics Development Initiative Junior Faculty Development Award. The award funds the early stages of academic career development for allergy and immunology specialists in geriatric medicine.

Amount: $112,500
LOI: N/R
Deadline: October 15, 2009
To learn more: http://foundationcenter.org/pnd/rfp/rfp_item.jhtml?id=264700043

Key Words: Aging, Allergy, Asthma

Infectious Disease/Biopreparedness

Long Range Broad Agency Announcement (Baa) For Navy And Marine Corp Science And Technology

New
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

Notice of Intent to Publish a Program Announcement for Countermeasures Against Chemical Threats (CounterACT) Exploratory/Developmental Projects in Translational Research (R21)

New
NOT-NS-09-018
National Institute of Neurological Disorders and Stroke (NINDS)
The National Institute of Neurological Disorders and Stroke (NINDS) intends to issue a Program Announcement with Special Referral Considerations (PAR) in the fall of 2009 to provide support for exploratory and developmental translational research on therapeutics for reducing mortality and morbidity caused by acute exposures to chemical threat agents. Chemical threat agents are toxic chemicals that could be released by a deliberate terrorist attack against civilians, or by accident or natural disaster causing mass casualties. The NIH CounterACT Research Program supports basic, translational, and clinical research aimed at the discovery and/or identification of better therapeutic medical countermeasures against chemical threat agents, and facilitates their movement through the regulatory process (www.ninds.nih.gov/counteract).

Amount: 
LOI: N/R
Deadline: Released September 22, 2009
To learn more: http://grants.nih.gov/grants/guide/notice-files/NOT-NS-09-018.html
Key Words: CounterACT, Chemical Threat Agents, Therapeutics

BAA ANNOUNCEMENT: Development of Technologies to Facilitate the use of, and Response to, Biodefense Vaccines - BAA-NIAID-DMID-NIHAI2009055

New
NOT-AI-09-052
National Institute of Allergy and Infectious Diseases (NIAID)
The primary objective of this solicitation is to support the advanced development of a candidate product, which consists of a vaccine component and a delivery technology, for use in post-event settings following the intentional release of a biothreat agent or naturally occurring outbreaks of infectious diseases. In this type of setting, simplicity of operation and efficiency of delivery of the vaccine to and the effectiveness in large numbers of patients, are primary goals. Candidate products that reduce the time to establish immunity, increase vaccine stability and/or reduce logistical requirements are important secondary objectives and would further enhance the capabilities of a candidate product that is easily delivered.

BAA NIH-NIAID-NIHAI2009055 will be available electronically on or about August 18, 2009, and may be accessed at http://www.fbo.gov/ Only electronic copies of the BAA will be available. All information required for the submission of an offer will be contained in the BAA.

Amount: varies
LOI: N/R
Deadline: November 18, 2009
To learn more: http://grants.nih.gov/grants/guide/notice-files/NOT-AI-09-052.html
Key Words: Vaccines

RFP ANNOUNCEMENT: External Quality Assurance Program Oversight Laboratory (EQAPOL)

New
NOT-AI-09-053
National Institute of Allergy and Infectious Diseases (NIAID)
Project Requirements
The scope of activities to be carried out under this contract involves both QA/QC and operational activities and includes:
14.0. Extramural research in the Life Sciences is supported by the Army Research Office. For those proposals related to purely medical
U.S. Army Research Laboratory (ARL)
W911NF-07-R-0001-02
ARL/ARO Broad Agency Announcement-Revised
Key Words
RFP-NIAID-DAIDS-NIHAI2009071
Nonhuman Primate Core Cellular Immunology Laboratory For Aids Vaccine Research And Development
New
RFP-NIAID-DAIDS-NIHAI2009071
National Institute of Allergy and Infectious Diseases (NIAID)
The purpose of the proposed contract will be to support the conduct, improvement, and development of assays designed to evaluate
and characterize the cellular immune responses of NHPs that have been immunized with candidate HIV or SIV vaccines or infected
with SIV, SHIV, or HIV in studies conducted at the NIAID SVEU contract sites or by NIH-supported investigators.
Amount: unspecified
LOI: Pre-solicitation notice
Deadline: December 3, 2009
To learn more: https://www.fbo.gov/index?s=opportunity&mode=form&id=fb1f596783a04fa4df94f9fd8bdad704&tab=core&cview=1
Key Words: Nonhuman Primate, Immunological Screening, GLP

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 subarea 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

Developmental Systems
PD 07-1111
NSF

The Developmental Systems Cluster supports research aimed at understanding how interacting developmental processes give rise to the emergent properties of organisms. A systems level approach to understanding these processes, at the molecular, cellular, and organismal levels of organization, requires the use of molecular, genetic, biochemical, and physiological techniques as well as techniques from outside biology. The Developmental Systems Cluster is also particularly interested in understanding how emergent properties result in the development of complex phenotypes and lead to the evolution of developmental mechanisms.

Plant, Fungal and Microbial Developmental Systems-The Plant, Fungal and Microbial Development programmatic area supports research that addresses developmental processes in plants from algae to angiosperms, microbes and fungi.

Amount: $130,000
LOI: N/R
Deadline: January 12, Annually
To learn more: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501087

Key Words: Bacterial Systems

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:

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

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**: September 7, 2009

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

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**Integrating Biobehavioral and Sociocultural Research to Prevent HIV Transmission and Infection [(R01) PA-08-188] and [(R21) PA-08-189]**

**PA-08-188 and PA-08-189**
National Institutes of Health (NIH)

This funding opportunity announcement (FOA) solicits Research Project (R01) grant applications from applicant organizations to develop theoretically grounded approaches to prevention of HIV infection and transmission that incorporate biobehavioral approaches in studies that are culturally appropriate. Biobehavioral approaches may be biomedical, or they may consist of behavioral interventions using biological markers of efficacy. Intervention and pre-intervention studies are welcomed, but descriptive ethnographic and epidemiological research is still needed in some areas. For example, descriptive research may delineate the impact of cultural variables on behaviors that impede or promote biological markers (e.g., seroconversion), lead to a better understanding of ethical concerns in biomedical preventive studies, or may illuminate as yet unrecognized issues concerned with adherence to a prevention interventions. Intervention studies should evaluate the efficacy of biomedical interventions, or of behavioral interventions that also use biological variables, in light of the sociocultural context.

**Amount**: $100,000
**LOI**: N/R
**Deadline**: standard dates apply

**Key Words**: HIV, AIDS, Epidemiology

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**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

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

Exploring Epigenomic Processes and Non-Coding RNAs in HIV/AIDS (R01) and (R21)
RFA-DA-10-010 and RFA-DA-10-011 and RFA-DA-10-012
National Institute on Drug Abuse (NIDA)
The purpose of this FOA issued by the National Institute of Drug Abuse, National Institutes of Health, is to enhance our understanding of the role of epigenomics in HIV infection and pathogenesis in combination with substance abuse. This FOA invites applications proposing innovative research to stimulate new areas of research or develop new approaches to existing studies. Newly-formed collaborations to foster sharing of expertise between the fields of HIV/AIDS, drug abuse, and epigenomics research are encouraged.

Amount: $3,750,000
LOI: November 23, 2009
Deadline: December 23, 2009


Key Words: Epigenetics, Substance Abuse, HIV/AIDS

Notice of Intent to Publish a Request for Applications for Exploring Epigenomic Processes and Non-Coding RNAs in HIV/AIDS (R01, R21)
NOT-DA-09-010
National Institute on Drug Abuse (NIDA)
The National Institute on Drug Abuse (NIDA) intends to issue a set of Requests for Applications (RFA) to solicit applications for research addressing the role of epigenomics in HIV infection and pathogenesis in combination with substance abuse. The RFA will encourage a broad range of interdisciplinary research, using in vitro, animal and human approaches to address these interactions. Studies may include 1) epigenomic regulation of HIV infection, 2) epigenomic processes associated with specific patterns of disease progression in individuals with a history of substance abuse, and 3) the effects of epigenomic changes associated with drug abuse on HIV infection and disease progression. Proposed research must focus on HIV/AIDS, must have a significant epigenomic or non-coding regulatory RNA component, and must include a component related to drugs of abuse. Studies using samples from drug abusing populations or relevant in vivo or in vitro model systems would be appropriate. This notice is being provided to allow potential applicants sufficient time to develop meaningful collaborations and responsive projects. This RFA will utilize the R01 and R21 grant mechanisms. The RFA is expected to be published in September 2009 with an expected receipt date in December 2009.

Amount: varies
LOI: N/R
Deadline: Released July 31, 2009

To learn more: http://grants.nih.gov/grants-guide/notice-files/N-DA-09-010.html

Key Words: HIV/AIDS, Drugs of Abuse

International Research Collaborations on HIV/AIDS and Drug Use (R01)
RFA-DA-10-008
National Institute on Drug Abuse (NIDA)
This program fosters research related to biomedical and clinical science, epidemiology, prevention, and treatment of HIV/AIDS associated with drug use. The FOA seeks to foster international research collaborations with a regional geographic focus that take
advantage of populations, resources, talent, or environmental/contextual conditions outside the U.S. that offer special opportunities to advance scientific knowledge.

Amount: $1,750,000
LOI: October 18, 2009
Deadline: November 18, 2009
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-008.html
Key Words: HIV/AIDS, Drug Abuse

Basic HIV Vaccine Discovery Research (R01)
RFA-AI-09-024
National Institute on 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 stimulate the discovery of an effective prophylactic HIV-1 vaccine by soliciting Research Project Grant (R01) applications for hypothesis-driven basic research in HIV/AIDS, and general virology and immunology focused on that aim. The emphasis is on discovery, including the identification of new concepts and approaches that will inform the design of an optimal prophylactic HIV-1 vaccine, or the implementation of applicable concepts and/or approaches that have been employed successfully in the development of vaccines for other infections.

Amount: $2,000,000
LOI: October 9, 2009
Deadline: November 9, 2009
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-024.html
Key Words: Vaccines, HIV/AIDS, Immunology

Drug Abuse Aspects of HIV/AIDS
[(R01)PAS-07-324] and [(R03)PAS-07-326] or [(R21)PAS-07-325]
PAS-07-324 and PAS-07-326 or PAS-07-325
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
This program announcement is intended to stimulate model-driven research that will increase understanding of how drugs of abuse or processes of addiction influence decisions about high-risk sexual behavior, thereby enhancing vulnerability for acquiring or transmitting HIV. Research supported by this announcement will emphasize interdisciplinary studies that incorporate approaches from psychology, economics, anthropology, sociology, decision sciences, neuroscience, and computational modeling. Hypothesis-driven research and modeling approaches that can guide empirical testing are encouraged. The study of decisions to engage in risky sexual behavior must be clearly the central focus of the proposed research.

Amount: varies
LOI: N/R
Deadline: standard dates apply
Key Words: AIDS (Substance Abuse), HIV

Drug Abuse Aspects of HIV/AIDS
[(R01)PA-07-307] and [(R03)PA-07-308] or [(R21)PA-07-309]
PA-07-307 and PA-07-308 or PA-07-309
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
The purpose of this Funding Opportunity Announcement (FOA) from NIDA is to encourage drug abuse research to address the changing dynamics of the HIV/AIDS epidemic in the United States, such as the increasing over-representation of minorities and women among new AIDS cases and role of heterosexual sex as a transmission route. Studies are needed to develop novel preventive interventions that more effectively address the evolving epidemic. Internationally, studies are needed on how to translate and adapt interventions that have proved effective in the United States to other communities and international settings and to learn from other conditions and cultures to inform our understanding of the causes, consequences, and differences in HIV-associated risks, morbidity, and mortality in diverse populations.

Amount: varies
LOI: N/R
Deadline: standard dates apply (Sep 07, 2009)
Key Words: AIDS (Substance Abuse), HIV
Research on Alcohol and HIV/AIDS

PA-07-028

This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Institutes of Health, solicits Research Project Grant (R01) applications from institutions/organizations that propose to identify and characterize the role of alcohol, drinking behaviors, and drinking environments in the epidemiology and natural history, pathogenesis, prevention, treatment and control of HIV/AIDS.

Amount: varies
LOI: N/R
Deadline: standard dates apply (Sep 07, 2009)

Key Words: AIDS, AIDS (Substance Abuse), Alcohol or Alcoholism, Alcoholism Prevention, Alcoholism Treatment, Drug Abuse Prevention, Drug Abuse Treatment, Drugs or Drug Abuse, HIV, Substance Abuse, Substance Abuse Prevention, Substance Abuse Treatment

International Research Collaborations on Drug Addiction (R21)

PA-08-007

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

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:

Novel Lentiviral Models of HIV Neuropathogenesis

PA-08-178, PA-08-179, and PA-06-180

This Funding Opportunity Announcement (FOA) issued by the National Institute on 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) invites research grant applications aimed at developing and or refinement of animal or ex vivo cell culture model systems for study of the neurologic complications of AIDS, with or without a history of drug or alcohol use. Recent advances in the development of the SIV model system highlight the power of animal model systems for study of the mechanisms underlying the pathology associated with lentiviral infection in the nervous system. These models will be key for developing therapeutic approaches for the treatment of patients suffering from NeuroAIDS and for understanding the basic biology of infection with HIV/AIDS.

Amount: $1,500,00 (varies)
LOI: N/R
Deadline: standard dates apply

Key Words: HIV, AIDS, NeuroAIDS
Oral Mucosal Vaccination against HIV Infection (R01)
RFA-DE-10-001
National Institute of Dental and Craniofacial Research
This FOA issued by the NIDCR, NIH, solicits R01 applications that focus on harnessing oral mucosal and innate immunity to develop prophylactic HIV vaccines delivered through the oral mucosa. Specifically, the NIDCR is seeking applications that will address studies on the: 1) mechanisms linking oral mucosal and innate immunity with systemic adaptive immunity; 2) development of HIV vaccine antigens in oral expression vectors that are stable in the oral cavity and have the ability to trigger anti-HIV protective immunity; 3) mechanisms of HIV infection of target cells in the oral cavity (e.g., epithelial cells and immune cells) and effects of oral dendritic (DC), and natural killer (NK) cell subset changes during disease progression or upon oral mucosal HIV vaccination; 4) DC-NK cells cross-talk in the oral cavity and relationship to systemic adaptive immunity upon oral mucosal HIV vaccination; 5) similarities and differences between DC-NK cells cross-talk in the oral mucosal site compared with other mucosal sites, and 6) characterization of soluble defense molecules produced in oral secretions upon oral mucosal HIV vaccination. This FOA welcomes applications that further develop already characterized target vaccine antigens and formulations and relevant model antigens for oral delivery, target validation and early preclinical evaluation in relevant animal models. This FOA will not support basic vaccine antigen discovery, HIV vaccine clinical trials, projects on enteric vaccines for oral delivery, projects on nasal delivery methods for oral mucosal HIV vaccines, or therapeutic vaccine research.

Amount: varies
LOI: November 2, 2009
Deadline: December 2, 2009

Key Words: Mucosal Vaccines, HIV

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 Institute of Allergy and Infectious Diseases (NIAID)
National Institute of Nursing Research (NINR)
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

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

Key Words: AIDS

Research to Advance Vaccine Safety
[(R01) PA-08-256]and [(R21) PA-08-257]
PA-08-256 and PA-08-257
National Institute of Allergy and Infectious Diseases (NIAID)
National Institute of Mental Health (NIMH)
National Institute of Nursing Research (NINR)
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Institute of Nursing Research (NINR)

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

Partnerships for Biodefense Food- and Water-borne Diseases (R01)
RFA-AI-09-027
National Institute of Allergy and Infectious Diseases (NIAID)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH) invites research applications for projects that support development of therapeutics, immunotherapeutics, medical diagnostics and broad-spectrum vaccines for NIAID Category B food- and water-borne priority pathogens and toxins.
Amount: varies
LOI: August 24, 2009
Deadline: September 23, 2009
To learn more: [link]
Key Words: Food and Water Borne Pathogens

Recovery Act Limited Competition: Protection of Human Health by Immunology and Vaccines (U01, U19)
RFA-AI-09-040
National Institute of Allergy and Infectious Diseases (NIAID)
This NIH Funding Opportunity Announcement (FOA), supported by funds provided to the NIH under the American Recovery & Reinvestment Act of 2009 ("Recovery Act" or "ARRA"), Public Law 111-5, invites new applications from single domestic institutions, or consortia of institutions, to participate in creating a network of human immunology profiling research groups. Applications are sought that propose to study human immune responses (1) following infection, (2) prior to and following vaccination against an infectious disease, or (3) prior to and following treatment with an immune adjuvant that targets a known innate immune receptor(s). The purpose of this FOA is to capitalize on recent advances in immune profiling to measure the diversity of human immune responses under a variety of conditions, using bioinformatic, multiplex, and/or systems biology approaches to study samples from well-characterized human cohorts and to measure aspects of the human transcriptome and/or proteome.
Amount: $20,000,000
LOI: September 15, 2009
Deadline: October 15, 2009
To learn more: [link]
Key Words: Immune Responses

Highly Innovative Tactics to Interrupt Transmission of HIV (HIT-IT) (R01)
RFA-AI-09-037
National Institute of Allergy and Infectious Diseases (NIAID)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), solicits Research Project Grant (R01) applications from institutions/organizations that aim to stimulate the discovery, design and early preclinical evaluation of highly innovative, risky but rational approaches that could provide long-term protection from acquiring HIV infection. Recent setbacks in the vaccine and other biomedical prevention fields have raised several questions leading to increased interest for additional alternative track and untested outside-the-box approaches, highlighting the need
for new and innovative paradigms for discovering and developing fresh prevention strategies. The proposed work is expected to explore novel hypotheses or address difficult problems, the solutions to which could have a significant impact on finding methods to interrupt HIV transmission. The research proposed is expected to focus on verifying a hypothesis or solving a problem for the field. The program is open to established and new investigators and does not require research expertise in the area of HIV prevention as a prerequisite for submitting an application.

**Amount:** $2,000,000  
**LOI:** October 2, 2009  
**Deadline:** November 3, 2009  
**To learn more:** [http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-037.html](http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-037.html)  
**Key Words:** HIV Infection, Transmission

### Partnerships for Biodefense Viral Pathogens (R01)

**RFA-AI-09-028**  
National Institute of Allergy and Infectious Diseases (NIAID)

This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH) invites research applications for projects that support development of new therapeutics, immunotherapeutics or medical diagnostics for NIAID Category A, B, or C viral pathogens.

**Amount:** varies  
**LOI:** August 24, 2009  
**Deadline:** September 23, 2009  
**Key Words:** Viral Pathogens

### Basic Research on HIV Persistence (R01)

**PA-09-152**  
National Institute of Allergy and Infectious Diseases (NIAID)

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

**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PA-09-152.html](http://grants.nih.gov/grants/guide/pa-files/PA-09-152.html)  
**Key Words:** HIV, AIDS

### Partnerships for Development of Therapeutics and Diagnostics for Drug-Resistant Bacteria and Eukaryotic Parasites (R01)

**RFA-AI-09-026**  
National Institute of Allergy and Infectious Diseases (NIAID)

This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH) invites Small Business Innovation Research (SBIR) grant applications from small business concerns (SBCs) that propose to conduct translational research leading to development of therapeutic and diagnostic technologies for drug-resistant bacteria and eukaryotic parasites.

**Amount:** $1,000,000-$3,000,000  
**LOI:** October 9, 2009  
**Deadline:** November 9, 2009  
**Key Words:** Drug Resistant Bacteria, Eukaryotic Parasites

### Enterics Research Investigational Network Cooperative Research Centers (U19)

**RFA-AI-09-023**  
National Institute of Allergy and Infectious Diseases (NIAID)
The National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health, invites applications from single institutions and consortia of institutions to participate in the Funding Opportunity Announcement (FOA) “Enterics Research Investigational Network (ERIN) Cooperative Research Centers (CRCs). The purpose of this FOA is to establish the ERIN CRCs, a coordinated enterics research program designed to bridge the gaps between basic, translational, and clinical research on enteric disease agents, including toxins. The Network is designed to be a multi-center effort with collaborative relationships between ERIN CRC investigators and NIAID Program staff.

**Amount:** $5,000,000  
**LOI:** October 17, 2009  
**Deadline:** November 17, 2009  
**To learn more:** [http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-023.html](http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-023.html)  
**Key Words:** Enteric Pathogens, Gastroenteritis, Malnutrition, Malabsorption

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**B Cell Immunology Partnership Program For HIV-1 Vaccine Discovery (U19)**  
**RFA-AI-09-022**

National Institute of Allergy and Infectious Diseases (NIAID)  
This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health, (NIH) solicits grant applications from institutions/organizations that propose multidisciplinary research to define the basic immune mechanisms by which a broadly cross-reactive neutralizing antibody response can be elicited in uninfected individuals to protect against infection by a broad range of HIV-1 strains. Specifically, this FOA will support innovative studies to identify new HIV-1 envelope immunogens and immunization strategies for induction of broadly cross-reactive neutralizing antibody, and basic B cell immunology research designed to increase fundamental knowledge of the immunological mechanisms involved in the induction and regulation of immune responses leading to an HIV-1 broadly cross-reactive neutralizing antibody response. Preliminary data are required, and expertise in basic immunology and the HIV-1 virus should be evident. This multi-project cooperative agreement grant program will support a partnership to communicate ideas and progress among recipients of U19 awards as well as recipients of previous U01 awards issued under B Cell Immunology for Protective HIV-1 Vaccines (RFA–AI-07-014). Clinical trials will not be supported by this FOA.

**Amount:** $5,000,000  
**LOI:** November 4, 2009  
**Deadline:** December 4, 2009  
**Key Words:** HIV-1, B Cells, Antibody

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**Dissecting the Early HIV Immune Response: A Systems Biology Approach (P01)**  
**RFA-AI-09-018**

National Institute of Allergy and Infectious Diseases (NIAID)  
This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), solicits Program Project Grant (P01) applications that propose systems biology analyses of early immune responses to HIV/SIV exposure or infection. The goal of the HIV Systems Biology Program is to gain a more comprehensive understanding of networks or interacting components in early immune responses to HIV/SIV in order to predict systems behavior that informs the outcome of HIV/SIV exposure or infection. Mechanism of Support. This FOA will use the NIH Program Project (P01) grant mechanism. Each Program Project application must consist of at least two projects sharing a common theme, focus or overall objective and an Administrative and Data Management Core.

**Amount:** $12,500,000  
**LOI:** November 2, 2009  
**Deadline:** December 1, 2009  
**Key Words:** HIV/AIDS, Systems Biology

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**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](http://grants.nih.gov/grants/guide/pa-files/PAR-09-134.html)  
**Key Words:** HIV Vaccine
**NIAID Partnerships with Product Development Public-Private Partnerships (R01)**

RFA-AI-09-034
National Institute of Allergy and Infectious Diseases (NIAID)

This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), seeks research project grant (R01) applications from established, not-for-profit product development Public-Private Partnerships (PD PPPs) in order to accelerate preclinical research and development of promising preventive, therapeutic, or diagnostic tools, or vector management strategies for neglected infectious diseases. PD PPPs should have a track record of development of interventions for neglected infectious diseases of global importance, and highest prevalence in low income countries for which commercial markets provide insufficient incentives for product development. These diseases include malaria, tuberculosis, Neglected Tropical Diseases (see the following link for a list of NTDs: http://www3.niaid.nih.gov/topics/tropicalDiseases/research/examples.htm), and, where relevant, their vectors. Projects must include milestones and timelines to support projects on various aspects of preclinical development and IND enabling studies (e.g. validation of targets for intervention, process development, formulation, toxicology etc.) as well as a product development plan.

**Amount:** $750,000
**LOI:** September 30, 2009
**Deadline:** October 30, 2009


**Key Words:** Infectious Disease, Therapeutics, Malaria, Tuberculosis

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**NIAID Research Scholar Development Award (K22)**

PAR-09-068
National Institute of Allergy and Infectious Diseases (NIAID)

The purpose of the NIAID Research Scholar Development Award (RSDA) program is to increase and maintain a strong cohort of new and talented NIH-supported independent investigators that will address the health needs of the Nation. The NIAID RSDA is specifically designed to facilitate the transition from a postdoctoral research position to an independent research position.

**Amount:** varies
**LOI:** N/R
**Deadline:** Standard dates apply


**Key Words:** Allergy, Infectious Disease

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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 of Dental and Craniofacial Research

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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**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

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

USA Medical Research and Materiel Command Broad Agency Announcement
W81XWH-BAA08-1
DOD
The U.S. Army Medical Research and Materiel Command's (USAMRMC) Broad Agency Announcement (BAA) 08-1 is available. The USAMRMC's mission is to provide solutions to medical problems of importance to the American warfighter at home and abroad. The scope of this effort and the priorities attached to specific projects are influenced by changes in military and civilian medical science and technology, operational requirements, military threat assessments, and national defense strategies.

RESEARCH AREAS OF INTEREST
A. Military Infectious Diseases Research Program
B. Combat Casualty Care Research Program
C. Military Operational Medicine Research Program
D. Medical Biological Defense Research Program
E. Medical Chemical Defense Research Program
F. Telemedicine and Advanced Technology Program
G. Special Programs

Amount: $1,000,000
LOI: N/R
Deadline: continuous
To learn more: http://www.grants.gov/search/downloadAtt.do?sessionid=LrNhrrG83Tv0yG86V3pJbC85vsVNLWytZBTJlhP6WLFPSqHXqCDml1598613367flag2006=false&attId=29434

Key Words: Vaccines, Antiparasitic Drugs, Deployable field clinical diagnostics, and Vector Control Methods; Materials to improve basic and advanced life support; Multistressor interactions involving human tolerances, metabolic physiology, and brain functioning; Vir

International Research in Homeland Security Science & Technology Mission Areas
DHS-09-ST-108-001
Department of Homeland Security
Office of Procurement Operations - Grants Division
Focus of the research for this announcement: International science and technology efforts, from basic research through proof-of-concept evaluations in support of at least one of the S&T Directorate’s six Divisions (Explosives; Chemical and Biological; Command, Control, and Interoperability; Borders and Maritime Security; Human Factors; and Infrastructure and Geophysical). 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  
• Non-intrusive container monitoring

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;  
• National-scale detection architectures and strategies to address outdoor, indoor (e.g., highly trafficked transportation hubs) and critical infrastructure;  
• Consequence assessments of attacks on chemical facilities and CBR/Em/Bio 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:  $1,400,000  
LOI:  N/R  
Deadline:  September 29, 2009

To learn more:  
[http://www07.grants.gov/search/downloadAtt.do;jsessionid=JL9c4BJ37x0SyqdkMwTp4Nl7GHxxyJxG98Zdv1k2Gds1MSpp313l440819768?flag2006=false&attId=29664](http://www07.grants.gov/search/downloadAtt.do;jsessionid=JL9c4BJ37x0SyqdkMwTp4Nl7GHxxyJxG98Zdv1k2Gds1MSpp313l440819768?flag2006=false&attId=29664)

Key Words:  Biological Agent, Early Detection, BioAssays

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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)

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 paper considered on a rolling basis  
Deadline:  February 28, 2010

To learn more:  
[https://www.fbo.gov/download/c41/c418c2c7574e9672594ff3f76eba6a2a/BAA09-07@dhs.gov.pdf](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

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HDTRA1-08-10-BRCWMD-BAA  
Defense Threat Reduction Agency  
This announcement solicits Proposals for long-term challenges in specific fundamental areas of Basic Research that offer a significant contribution to the current body of knowledge or further the understanding of phenomena and observable facts and may have impact on future capabilities that support the DTRA and JSTO-CBD missions.

Determinants of Antimicrobial Resistance and Persistence in Bacterial Strains  
Dual Use Basic Science for Bio Defense Drug Design and Delivery of Novel Therapeutics  
Interrogation of Biological Response to Acute Ionizing Radiation Exposure  
Mechanisms of Molecular Recognition  
New Concepts in Nano-scale Chemical and Biological Sensing  
New Concepts in Spectroscopic Methods for Molecular Recognition  
Signatures of Laboratory-Grown Bio-Agents

Amount:  varies  
LOI:  White Paper Deadlines: November 2, 2009, May 12, 2010  
Deadline:  Multiple white paper submission deadlines, two remain:  November 2, 2009; May 12, 2010.

To learn more:  
Grand Challenges Explorations Round 4

Bill & Melinda Gates Foundation

Guided by the belief that every life has equal value, the Bill & Melinda Gates Foundation works to help all people lead healthy, productive lives. In developing countries, it focuses on improving people's health and giving them the chance to lift themselves out of hunger and extreme poverty. In the United States, it seeks to ensure that all people - especially those with the fewest resources - have access to the opportunities they need to succeed in school and life.

Topics for Round 4 are:
- Create New Technologies for Contraception
- Create New Ways to Induce and Measure Mucosal Immunity
- Create Low-Cost Diagnostics for Priority Global Health Conditions
- Create New Ways to Protect Against Infectious Disease.

Amount: $100,000
LOI: N/R
Deadline: November 2, 2009
To learn more: http://www.grandchallenges.org/Explorations/Pages/ApplicationInstructions.aspx

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

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 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.

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: Weapons of Mass Destruction
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

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
Deadline: Standard dates apply
Basic and Clinical Studies of Congenital Urinary Tract Obstruction (R01)
PA-09-226
National Institute of Diabetes and Digestive and Kidney Diseases
Eunice Kennedy Shriver National Institute of Child Health and Human Development
This Program Announcement is sponsored by the NIDDK and the NICHD. Congenital obstructive uropathy is one of the major causes of chronic kidney disease and end stage renal disease (ESRD) in infants and children. The pathogenesis of this disorder, however, remains poorly understood. Many controversies and clinical uncertainties exist in the detection, prognosis, and effective treatment strategies for this condition. The impact of early fetal detection and neonatal intervention, the long-term effects of watchful waiting and the various surgical interventions have not been well studied and documented. There is also no consensus on the indications for, or ideal timing of surgical intervention. The purpose of this funding opportunity is to address the numerous scientific and clinical uncertainties related to the development, treatment and prognosis of congenital obstructive uropathy, by encouraging and facilitating research in diverse areas. These areas include: the development of objective prognostic markers; the genetic determinants of this congenital disorder; the development of reliable animal models of the disorder; and, evaluation of the long-term effectiveness of various treatment strategies.
Amount:  $2,500,000
LOI:  N/R
Deadline:  Standard dates apply
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PA-09-226.html
Key Words:  Congenital Obstructive Uropathy, Kidney Disease, End Stage Renal disease

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

Non-Invasive Methods for Diagnosis and Progression of Diabetes, Kidney, Urological, Hematological and Digestive Diseases and Hypertensive Disorders (R01)
PA-09-181
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Heart Lung and Blood Institute (NHLBI)
This Funding Opportunity Announcement (FOA) is a call for the application of imaging and other non- or minimally-invasive technologies to detect, characterize, diagnose, identify persons with predisposition to, or monitor treatment of diseases of interest to the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the National Heart Lung and Blood Institute (NHLBI) of the National Institutes of Health (NIH). Also needed are new, robust surrogate markers for clinical trial endpoints, and new ways to characterize normal and pathological tissues in vivo. Diseases of interest include type 1 and 2 diabetes; acute and chronic kidney disease, liver, urologic, hematologic, digestive, endocrine, and metabolic diseases and their complications; obesity; obesity-related hypertension, hypertension, renal and vascular disorders leading to hypertension. Applicable techniques include molecular imaging and functional imaging approaches, imaging methods with high spatial, chemical or time resolution, metabolomics, proteomics, genomics, or new spectroscopic or sensor array technologies for monitoring metabolic or physiological events.
Amount:  varies
LOI:  N/R
Deadline:  Standard dates apply
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PA-09-181.html
Key Words:  Diabetes, Kidney Disease, Type I, Type II
Development and Validation of Disease Biomarkers (R01)
PA-09-204
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) (http://www2.niddk.nih.gov)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Nursing Research (NINR)
Office of Dietary Supplements (ODS)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), the National Institute of Nursing Research (NINR), and the Office of Dietary Supplements (ODS) of the National Institutes of Health, will provide resources to validate candidate biomarkers for well-defined human diseases of the liver, kidney, urological tract, and digestive and hematologic systems, as well as endocrine and metabolic disorders, diabetes and its complications, and obesity, for which there are no or very few biomarkers, or for which standard biomarkers are currently prohibitively invasive or expensive. A biomarker is an indicator of a disease process, and could replace hard clinical end points as a measure of the effect of new therapies. Appropriate studies will validate candidate biomarkers in well-defined patient populations, provide new technologies to monitor biomarkers or establish reliable assays for validated markers. Progress in this area has the potential to advance translational research related to efficacy of treatments and bio-behavioral interventions. This FOA is not appropriate for biomarker discovery projects.
Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-204.html
Key Words: Biomarkers, Translational Research, Therapies

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

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

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
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

Lung and Sleep

Functional Modeling of Pediatric Upper Airway Disorders (R01)
New
RFA-HL-10-017
National Heart, Lung, and Blood Institute (NHLBI)
The National Heart, Lung, and Blood Institute (NHLBI) solicits grant applications from institutions/organizations to participate in a new NHLBI program on Functional Modeling of Pediatric Upper Airway Disorders. The objective is to identify the biological and structural components limiting airflow in congenital or acquired disorders of the pediatric upper airway (infant to adolescent). The ultimate goal is to develop novel approaches that will identify targets for intervention to correct obstruction of airflow through the upper airway. This program will require collaborations among experts in computational modeling (mathematicians/bioengineers) with clinician scientists (e.g. pulmonologists, otolaryngologists, craniofacial surgeons, and/or radiologists). Use of the multiple PI mechanism is encouraged. Only human studies will be supported.
Amount: $2,600,000
LOI: December 14, 2009
Deadline: January 12, 2009
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-10-017.html
Key Words: Pediatric, Airway Management, Computational Modeling, bioengineering

Lung Transplantation: Planning Grants for Clinical Trials of Novel Therapies (R34)
New
RFA-HL-10-016
National Heart, Lung, and Blood Institute (NHLBI)
The National Heart, Lung, and Blood Institute (NHLBI) invites applications to support the initial organization, protocol development, and necessary preliminary studies critical for the design of robust clinical trials in lung transplantation. This Funding Opportunity Announcement (FOA) should be used to position investigators or groups of investigators to develop competitive clinical trials to test important new strategies to enhance the quality of lungs available for transplant and improve management and long term outcomes of lung transplant recipients. This may include assembling a research team, consisting of a principal clinical site and having several collaborating ancillary sites, defining and prioritizing research questions, collecting information on the feasibility of the therapy and patient availability, and developing protocol(s). Applications must demonstrate that the proposed work is both necessary and sufficient to permit proceeding to the design of important clinical trial(s). During the evaluation of applications in response to this FOA, the review group will also consider the significance and potential impact of the full-scale clinical trial(s) that would be proposed following the R34 award period. Of most importance, the NHLBI anticipates that the R34 award period will yield competitive investigator-initiated clinical trial grants that evaluate interventions for the treatment of complications during and after lung transplantation.
Amount: $900,000
Research on Chronic Insomnia Disorder (R01)
PA-07-047
NIH

Insomnia Disorder affects approximately 10% of adults in the U.S. and results in decreased work and academic performance, increased risk of accidents, increased health care costs, and increased risk of depression and other mental disorders. Given the public health significance of this problem, the NIH State-of-the-Science Conference on Manifestations and Management of Chronic Insomnia in Adults was held in June, 2005. The resulting conference statement outlined what is currently known and identified important future directions for insomnia-related research. The purpose of this funding opportunity announcement (FOA) is to encourage research that addresses the research needs outlined in this conference statement. Recommended areas for future research include genetic and neurobiologic mechanisms of insomnia, longitudinal studies of incidence and course of insomnia, improved measures of daytime functioning and quality of life resulting from insomnia, studies of insomnia in special populations, the impact of insomnia on the development of other disorders including depression, drug abuse, and chronic diseases, and the development and evaluation of treatment approaches and their dissemination. Research that translates basic science findings into novel clinical approaches is particularly encouraged.

Amount: varies
LOI: N/R
Deadline: Multiple, see link.
To learn more: http://grants1.nih.gov/grants/guide/pa-files/PA-07-047.html
Key Words: Lung Transplant, Clinical Trials

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, 2009; August 31, 2010
Deadline: September 29, 2009; September 28, 2010
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-175.html
Key Words: Chronic Disease, Long-Term Disease, Training

Unique Interactions Between Tobacco Use and HIV/AIDS
[(R01) PA-08-253] and [(R03) 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

Pilot Studies for Studying the Mechanisms of Improvement in Type 2 Diabetes and Cardiovascular Risk Factors or in Cardiovascular, Lung, or Sleep Diseases after Bariatric Surgery (R01)

RFA-DK-09-012
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Heart Lung and Blood Institute (NHLBI)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases and the National Heart, Lung, and Blood Institute, National Institutes of Health encourages Research Project Grant (R01) applications from Institutions/organization that propose to determine the optimal research design as well as collect pilot data on feasibility and implementation for a randomized clinical trial of the effects of bariatric surgery on type 2 diabetes and cardiovascular risk factors in people with type 2 diabetes or in cardiovascular, lung and sleep diseases in people. All studies should focus on subjects with a BMI of 30 to 40.

Amount: $1,200,000
LOI: October 22, 2009
Deadline: November 19, 2009
To learn more: [Link to FOA]

Key Words: BMI, Bariatric Surgery, health Outcomes

Nutrition and Physical Activity Research to Promote Cardiovascular and Pulmonary Health (R01) and (R21)
PA-09-243 and PA-09-244
National Heart, Lung, and Blood Institute (NHLBI)
National Center for Complementary and Alternative Medicine (NCCAM)
National Institute of Nursing Research (NINR)
This FOA encourages Research Project Grant (R01) applications that propose research on the roles of nutrition and physical activity in the development, prevention, and management of cardiovascular diseases (CVD) or pulmonary diseases. In particular, the FOA aims to (1) improve knowledge of the contribution of diet and physical activity to these conditions and how sleep influences these relationships, (2) increase the evidence base for refining public health recommendations and clinical guidelines regarding these lifestyle behaviors, and (3) develop and test strategies to improve the adoption of these recommendations.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
To learn more: [Link to FOA]

Key Words: Sleep, Physical Activity, Cardiovascular Disease

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: December 14, 2009; August 14, 2010; December 14, 2010; August 14, 2011; December 14, 2011
To learn more: [Link to FOA]

Key Words: Heart, Lung, Blood and Sleep Disorders

Translational Programs in Lung Diseases (P01)
PAR-09-185
National Heart, Lung, and Blood Institute
This FOA issued by the NHLBI, National Institutes of Health, solicits Program Project Grant (P01) applications from institutions/organizations that will perform collaborative, translational research that moves mechanistic research to clinical applications to improve prevention, diagnosis and/or treatment of lung diseases and sleep disorders.

Amount: $8,750,000
Deadline: September 25, 2009; May 25, 2010; September 25, 2010; May 25, 2011; September 25, 2011; May 26, 2012; September 25, 2012
To learn more: [Link to FOA]

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

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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

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**Lung Cancer Biospecimen Resource Network (LCBRN) Award**  
W81XWH-09-LCRP-LCBRNA  
Department of Defense (DOD) Congressionally Directed Medical Research Programs (CDMRP)  
The LCBRN award is intended to provide infrastructure support for the development of a lung cancer biospecimen resource that will facilitate the collection, processing, annotation, storage, and distribution of high-quality human lung cancer biospecimens through a collaborative network across multiple institutions. The LCBRN will consist of a Coordinating Center that will also function as a biospecimen resource site and a minimum of two additional Biospecimen Resource Sites that will be jointly responsible for developing the biospecimen resource network for lung cancer research.  
The Coordinating Center and Biospecimen Resource Sites must submit a single application.  
The proposed LCBRN must collect, process, annotate, store, and distribute human lung cancer biospecimens that support two or more of the Areas of Emphasis listed below:  
* Identification or development of non-invasive or minimally invasive tools to improve the detection of the initial stages of lung cancer.  
* Identification and development of tools for screening or early detection of lung cancer. Screening may include, but is not limited to, computed tomography scans, X-rays, other imaging, biomarkers, genetics/genomics/proteomics, and assessment of risk factors.  
* Understanding the molecular mechanisms that lead to clinically significant lung cancer.  
* Identification of the mechanisms that lead to the development of the various types of lung cancer.  
* Understanding of the molecular mechanisms leading to clinical resistance.  
* Understanding of factors that lead to acquired resistance to treatment.  

**Amount:** $3,800,000  
**LOI:** pre-application December 23, 2009  
**Deadline:** January 6, 2010  
To learn more: [http://cdmrp.army.mil/funding/lcrp.htm](http://cdmrp.army.mil/funding/lcrp.htm)  
**Key Words:** Biospecimen, Lung Cancer

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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/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

FY09 DOD Lung Cancer Research Program Collaborative Translational Research Award
W81XWH-09-LCRP-CTRA
The purpose of the CTRA is to support multi-institutional, multi-disciplinary collaborations among clinicians and laboratory scientists that will accelerate the movement of promising ideas in lung cancer into clinical applications.
The FY09 LCRP CTRA ONLY accepts applications that address at least two of the seven Areas of Emphasis listed below.
• Identification or development of non-invasive or minimally invasive tools to improve the detection of the initial stages of lung cancer
• Identification and development of tools for screening or early detection of lung cancer. Screening may include, but is not limited to, computed tomography scans, X-rays, other imaging, biomarkers, genetics/genomics/proteomics, and assessment of risk factors
• Understanding the molecular mechanisms that lead to clinically significant lung cancer
• Identification of the mechanisms that lead to the development of the various types of lung cancer
• Identification of innovative strategies for prevention and treatment of early lung cancer
• Understanding predictive and prognostic markers to identify responders and non-responders
• Understanding acquired resistance to treatment
Amount: $800,000
LOI: November 19, 2009
Deadline: December 3, 2009
To learn more: http://www.grants.gov/search/announce.do;jsessionid=LNTBKGBcVp4vXJ1KqqZtpkQCIj2M1xrTVfth72b9fsTZlpT!-77834959
Key Words: Lung Cancer

Men and Women’s Health
Breast Cancer Research Program
Funding Opportunities for Fiscal Year 2009
New
Department of Defense (DOD)
Congressionally Directed Medical Research Program (CDMRP)
Program Announcements for the Fiscal Year 2009 Breast Cancer Research Program are expected to be released in October 2009. The following award mechanisms will be offered:
1. Concept Award
2. Postdoctoral Fellowship Award
3. Era of Hope Scholar Award
Amount:
LOI:
Deadline: Released September 29, 2009
Key Words: CDMRP, Breast Cancer, Fellowships, Hope Award, Concept Award

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
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-271.html
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 Arth
This Funding Opportunity Announcement (FOA) issued by the Office of Research on Women's Health (ORWH) and co-sponsoring Institutes and Centers (ICs) of the National Institutes of Health (NIH) encourages investigator(s)-initiated applications that propose to examine the etiology, diagnosis, pathophysiology, and treatment of chronic fatigue syndrome (CFS), also known as myalgic encephalomyelitis (ME/CFS) in diverse groups and across the lifespan. Innovative applications that address gaps in the understanding of the environmental and biological risk factors, the determinants of heterogeneity among patient populations, and the common mechanisms influencing the multiple body systems that are affected in CFS are encouraged. The NIH is particularly interested in funding interdisciplinary research that will enhance our knowledge of the disease process and provide evidence based solutions to improve the diagnosis, treatment, and quality of life of all persons with CFS. This FOA will utilize the NIH Research Project Grant (R01) award mechanism and runs in parallel with a FOA of identical scientific scope, PA-08-247, that encourages applications under the NIH Exploratory/Developmental (R21) grant mechanism.
Amount: varies
LOI: N/R
Deadline: standard dates apply
Key Words: Myalgic Encephalomyelitis, Chronic Fatigue Syndrome, CFS

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

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

Amount: unspecified
LOI: N/R
Deadline: continuous

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.

Amount: varies
LOI: N/R
Deadline: standard dates apply

Key Words: Pregnancy, Pregnancy Prevention, Unintended Pregnancy

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### 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

Key Words: Fetal Maternal Health, Substance Abuse

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### 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

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

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:

Fertility Preservation Research: Advancing Beyond Technology (R01)
RFA-HD-09-009
Eunice Kennedy Shriver National Institute of Child Health and Human Development
National Institute for Occupational Safety and Health (NIOSH)
The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) and the National Institute for Occupational Safety and Health (NIOSH) solicit grant applications that are designed to: 1) characterize the risks and mechanisms of gonadal damage secondary to exposure to chemotherapy, radiation therapy, or occupational or environmental hazards, 2) elucidate
more reliable biomarkers of reproductive capacity, and 3) examine the social, legal, and ethical ramifications of fertility preservation technologies.

**Amount:** $2,500,000
**LOI:** September 21, 2009
**Deadline:** October 20, 2009

**Key Words:** Fertility, Radiation Exposure

### Miscellaneous

#### Annual Phase I Small Business Innovation Research (SBIR)
**Small Business Technology Transfer (STTR)**

**New**

DE-FOA-0000161
U.S. Department of Energy (DOE)

The objectives of these programs include increasing private sector commercialization of technology developed through DOE-supported research and development (R&D), stimulating technological innovation in the private sector, and improving the return on investment from Federally-funded research for economic and social benefits to the nation. DOE will support high-quality research or R&D on advanced concepts concerning important mission-related scientific or engineering problems and opportunities that are likely to lead to significant public benefit from promising research.

An important goal of these programs is the commercialization of DOE-supported research or R&D. Following the start of Phase I, awardees whose research or R&D has identifiable potential to meet market needs are encouraged to seek commitments from private sector or Federal non-SBIR/STTR funding sources for both Phases II and III.

**Amount:** $100,000
**LOI:** N/R
**Deadline:** November 20, 2009
To learn more: [http://www.science.doe.gov/sbir/solicitations/FY%202010/C30_Notice.htm](http://www.science.doe.gov/sbir/solicitations/FY%202010/C30_Notice.htm)

**Key Words:** SBIR, STTR

#### Long Range Broad Agency Announcement (Baa) For Navy And Marine Corp Science And Technology

**New**

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/](http://www.onr.navy.mil/) and for ONR’s International Agent located on the ONR Global Homepage at [http://www.onrglobal.navy.mil/](http://www.onrglobal.navy.mil/). A list of the Department Codes can be found at [http://www.onr.navy.mil.](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

#### Request for Information (RFI): Phenotyping Knockout Mice

**New**
NOT-HG-10-005
National Human Genome Research Institute (NHGRI)
National Center for Research Resources (NCRR)
National Human Genome Research Institute (NHGRI)
Eunice Kennedy Shriver National Institute of Child Health and Human Development

The purpose of this RFI is to seek input and feedback from the scientific community in order to inform and guide future large-scale phenotyping of knockout mice. Specifically, the NIH is seeking advice and recommendations on the scope, depth, and breadth of a phenotyping effort, and to provide rationale and justification on how this effort would benefit research.

Amount:
LOI:
Deadline:  October 15, 2009
To learn more:  http://grants.nih.gov/grants/guide/notice-files/NOT-HG-10-005.html
Key Words:  Knockout Mice, Phenotyping

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
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PAR-08-073.html
Key Words:

Thyroid in Aging
(R01) [PA-08-037] and (R21) [PA-08-038] and  (R03) [PA-08-039]
PA-08-037
NIH
The purpose of this funding opportunity announcement (FOA) is to encourage submission of investigator-initiated research applications on the thyroid in aging. This FOA is intended to promote basic, translational, and clinical studies leading to increased understanding of the physiology of the aging thyroid and improved diagnosis and management of thyroid disease in older adults

Amount:  varies
LOI:  N/R
Deadline:  multiple; see announcement, expires January 2011
Key Words:

Nebraska EPSCoR First Awards
Nebraska EPSCoR
Nebraska EPSCoR has created a competitive FIRST AWARD grant program to help Nebraska early career faculty members to initiate their research programs. This program is funded by an NSF infrastructure grant to Nebraska EPSCoR. The FIRST AWARD grant is limited to $20,000 for one year with 100% matching requirement. Nebraska EPSCoR anticipates awarding approximately six grants. Each grantee is required to submit a CAREER grant proposal to NSF at the end of the award period.

Amount:  $20,000
LOI:  pre-proposals due October 19, 2009
Deadline:  at invitation
To learn more:  http://epscor.unl.edu/rfps
Key Words:  NSF, CAREER grant

Communicating Research to Public Audiences
NSF 03-509
National Science Foundation (NSF)
Communicating Research to Public Audiences is a component of the Informal Science Education (ISE) program in the Division of Elementary, Secondary, and Informal Education. ISE projects provide rich and stimulating contexts and experiences for individuals of all ages, interests, and backgrounds to increase their appreciation for, and understanding of, science, technology, engineering, and mathematics (STEM) in out-of-school settings. Requests will be considered to support projects that communicate to public audiences the process and results of current research that is being supported by any National Science Foundation (NSF) directorate through informal science education activities, such as media presentations, exhibits, or youth-based activities. The purpose of these efforts is to disseminate research results, research in progress, or research methods.

**Amount:** $75,000  
**LOI:** N/R  
**Deadline:** Continuous  


**Key Words:** Public Relations, Medical Information

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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

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**Grant Opportunities for Academic Liaison with Industry (GOALI)**  
**NSF-09-516**  
**National Science Foundation (NSF)**  
Grant Opportunities for Academic Liaison with Industry (GOALI) promotes university-industry partnerships by making project funds or fellowships/traineeships available to support an eclectic mix of industry-university linkages. Special interest is focused on affording the opportunity for:  
- Faculty, postdoctoral fellows, and students to conduct research and gain experience in an industrial setting;  
- Industrial scientists and engineers to bring industry’s perspective and integrative skills to academe; and  
- Interdisciplinary university-industry teams to conduct research projects.

This solicitation targets high-risk/high-gain research with a focus on fundamental research, new approaches to solving generic problems, development of innovative collaborative industry-university educational programs, and direct transfer of new knowledge between academe and industry. GOALI seeks to fund transformative research that lies beyond that which industry would normally fund.

**Amount:** varies  
**LOI:** N/R  
**Deadline:** Check with the program officer in the specific field of the proposed research for acceptable submission periods  


**Key Words:** Industry, Partnerships

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**NIH Support for Conferences and Scientific Meetings (Parent R13/U13)**  
**PA-08-149**  
**National Institutes of Health (NIH), multiple organizations**  
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. Prior to preparing an
application, it is critical that all applicants consult the appropriate IC representative listed in the R13/U13 Website (http://grants.nih.gov/grants/funding/r13/) to obtain current information about IC specific program priorities and policies. This action is of utmost importance because applications with marginal or no relevance to the participating Institutes will not be accepted for review or possible funding.

Amount: unspecified
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-149.html

Key Words: Conference

Mechanisms, Models, Measurement, & Management in Pain Research (R01) and (R03) and (R21)
PA-07-282 and PA-06-543 and PA-06-542
National Institutes of Health (NIH)
multiple institutes

The purpose of this Funding Opportunity Announcement (FOA), “Mechanisms, Models, Measurement, & Management in Pain Research,” issued by the National Institute of Nursing Research (NINR) 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. 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: Pain Management

2010 NIH Director's New Innovator Award Program (DP2) and (DP1)
RFA-RM-09-011 and RFA-RM-09-010
National Institutes of Health (NIH)
The NIH Director's New Innovator (DP2) Award program was created in 2007 to support a small number of early stage investigators of exceptional creativity who propose bold and highly innovative new research approaches that have the potential to produce a major impact on broad, important problems in biomedical and behavioral research. The New Innovator Awards complement ongoing efforts by NIH and its Institutes and Centers to fund early stage investigators through R01 grants, which continue to be the major sources of NIH support for early stage. The NIH Director's New Innovator Award Program is a High-Risk Research initiative of Research Teams of the Future.

Amount: $1,500,000
LOI: N/R
Deadline: October 27, 2009

Key Words: Biomedical, Behavioral Research

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 Institutes of Health (NIH)

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

Key Words:

**Genetic Screens to Enhance Zebrafish Research (R01)**
PAR-08-138
National Institute of Child Health and Human Development
National Cancer Institute
National Heart, Lung, and Blood Institute
National Institute on Aging
National Institute on Alcohol Abuse and Alcoholism
National Institute of Arthritis and Musculoskeletal
This FOA encourages investigator-initiated applications designed to exploit the power of the zebrafish as a vertebrate model for biomedical and behavioral research. Applications proposing to develop new genetic screens of high priority to the zebrafish community that will advance the detection and characterization of genes, pathways, and phenotypes of interest in development and aging, organ formation, neural processes, behavior, sensory processes, physiological processes, and disease processes are welcome. This effort stems from an NIH initiative developed by the Institutes and Centers of the Trans-NIH Zebrafish Coordinating Committee (TZCC) under the co-chairmanship of NICHD and NIDDK.

Amount: under $500,000 direct costs per year and project duration of up to five years may be requested.

Deadline: September 24, 2009, September 24, 2010

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

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
To learn more: http://grants.nih.gov/grants-guide/pa-files/PAR-09-180.html
Key Words: Multi-disciplinary centers, COBRE

Centers of Biomedical Research Excellence (COBRE) Phase III: Transitional Centers [P30]
RFA-RR-09-005
National Center for Research Resources (NCRR)
The National Center for Research Resources (NCRR) of the NIH invites applications for COBRE infrastructure support grants. The objectives of this FOA are to continue support of infrastructure at Centers of Biomedical Research Excellence (COBRE) that have received 10 years of funding from NCRR. This FOA is supported through the Institutional Development Award (IDeA) Program at the National Center for Research Resources (NCRR) of NIH.
Amount: $3,750,000
LOI: N/R
Deadline: September 22, 2009
To learn more: http://grants.nih.gov/grants-guide/rfa-files/RFA-RR-09-005.html
Key Words: Infrastructure, COBRE

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

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=iw5d2e4y1oz8takvisb4dr4i0a3hoe4
Key Words: Biological Sciences, Biomedical Research Resources, Biomedical Research Training, Health and Medicine

Musculoskeletal Diseases

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

**Amount:** $140,000  
**LOI:** N/R  
**Deadline:** January 12; July 12; Annually  
**To learn more:** [http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501090](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501090)  
**Key Words:** Physiology, Structural Systems, Integrated Physiology

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**Clinical Studies of Bisphosphonate Therapy and Osteonecrosis of the Jaws (R01)**  
**PA-07-185**  
**NIH**  
This funding opportunity announcement (FOA) issued by the National Institute of Dental and Craniofacial Research, National Institutes of Health, solicits Research project Grant (R01) applications that propose to explore the association between osteonecrosis of the jaws (ONJ) and bisphosphonate therapy.  
**Amount:** unspecified  
**LOI:** N/R  
**Deadline:** multiple, see listing  
**Key Words:**

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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](http://grants.nih.gov/grants/guide/pa-files/PAR-08-229.html)  
**Key Words:** Neuromuscular Diseases, Stroke, Neurological Disease

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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](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)

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, 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

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: November 3, 2009; March 1, 2010
Deadline: December 3, 2009; April 1, 2010


Key Words: Tissue Banks, Disease Registry

Paul D. Wellstone Muscular Dystrophy Cooperative Research Centers (U54)

RFA-HD-09-027

Eunice Kennedy Shriver National Institute of Child Health and Human Development
National Heart, Lung, and Blood Institute
National Institute of Arthritis and Musculoskeletal and Skin Diseases
National Institute of Neurological Disorders and Stroke

This funding opportunity announcement (FOA) solicits new (type 1) and competitive renewal (type 2) applications for the support of Paul D. Wellstone Muscular Dystrophy Cooperative Research Centers (MDCRCs). Successful applicants will join a network of existing Centers to foster the translation of new scientific findings and technological developments into novel treatments for the muscular dystrophies. Each Center may contain a mixture of basic, translational, or clinical research, as long as efforts are directed toward the steps required for therapeutic development, including therapeutic target identification, characterization, and validation, development of diagnostics and biomarkers to characterize or stratify patient populations, in vitro assay development, animal model development and characterization, candidate therapeutic efficacy screening, preclinical therapeutic optimization and FDA-required activities leading to an investigational new drug (IND) application, clinical infrastructure and studies in support of a clinical trial, patient-oriented natural history studies, and early stage clinical trials for one or more types of muscular dystrophy. Applicants should propose multi-disciplinary and collaborative studies that address one or more gaps in the therapeutic development pipeline for muscular dystrophy. Research problems should require substantial collaborative efforts to solve, and thus are best carried out in a center setting.

Amount: $5,000,000
LOI: October 13, 2009
Deadline: November 10, 2009

To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-09-027.html

Key Words: Muscular Dystrophy
AHRQ Developing Prospective Practice-based Comparative Effectiveness Research Clinical Registries: Orthopedic Devices, Drugs, and Procedures (P50)
RFA-HS-10-008
Agency for Healthcare Research and Quality
AHRQ invites applications to develop a prospective clinical registry of orthopedic devices, drugs, and procedures through a practice-based research collaborative and clinical and outcomes data resource (P50 grant mechanism). The goal of this registry initiative is to support the development of a sustainable data infrastructure and to conduct rigorous clinical and scientific research including comparative effectiveness and safety research. AHRQ envisions utilizing a practice based orthopedic registry across a broad provider network as one of the potentially most effective and productive approaches to develop scientific evidence regarding the short and long term benefits and harms of implantable orthopedic devices and other related services. The registry will be a model and basis for other national device and procedure registries and will actively disseminate study results into clinical practice.
Amount: $12,000,000
LOI: September 4, 2009
Deadline: September 23, 2009
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-HS-10-008.html
Key Words: Orthopedic Devices, Registry

Nanomedicine/Nanotechnology

The Kavli Prize for Neuroscience and Nanoscience
New
The Norwegian Academy of Science and Letters
The nomination process will be open to all who wish to nominate candidates, with the exception that self-nominations will not be accepted. The prize can be awarded to a single person or shared for closely related fundamental contributions. Deceased persons cannot be nominated. Nominations are confidential and nominees should not know who nominated them. All information, both written and verbal related to the identification and selection of the prize winners, will be held in the strictest confidence and not made available to the public for 50 years.
Amount: $1,000,000
LOI: N/R
Deadline: December 15, 2009
To learn more: http://www.kavliprize.no/artikkel/vis.html?tid=27137
Key Words: Nanoscience, Neuroscience

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.
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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 to 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 microbial 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, psychophysics, sensory and perceptual physiology, computational neurobiology, psychophysiology, 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.

Amound: unspecified
LOI: N/R
Deadline: September 30, 2011
To learn more: http://www.arl.army.mil/www/DownloadedInternetPages/CurrentPages/DoingBusinesswithARL/research/07-r-0001-02_amendment2.pdf

Key Words: Human Performance, Microbial Signatures, Perception and Cognition

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

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; December 21, 2011; April 20, 2011; August 21, 2011
Deadline: January 21, 2010; 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

Nanomedicine COBRE Seeks Pilot Project Applications From Junior Investigators
RFA-RR-06-002
National Center for Research Resources (NCRR)
The Center of Biomedical Research Excellence (COBRE) Nebraska Center for Nanomedicine (NCN) invites Junior Investigators to submit an application for a pilot project consistent with the research objective of this Center. The COBRE program seeks to promote the initiation and development of new and unique, innovative state-of-the-art biomedical research in Nebraska. The long-term goal of NCN is to enable advances in basic and applied nanotechnology research for the development of novel therapies and diagnostic modalities for incurable human disease. The advancement of polymer-based drugs and delivery systems for diagnosis and treatment of cancer and degenerative diseases is the principal scientific focus of NCN research. If you have questions about this RFA, please, e-mail or call Mrs. Marsha Fau (mfau@unmc.edu or (402) 559-9330)
Amount: $50,000
LOI: N/R
Deadline: September 25, 2009
To learn more: http://cddn.unmc.edu/template_view.cfm?PageID=34
Key Words: Novel Therapies, Nanotechnology

Cancer Nanotechnology Platform Partnerships (U01)
RFA-CA-09-013
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), National Institutes of Health (NIH), solicits applications for the development of cancer nanotechnology platforms. This initiative, to be known as the Cancer Nanotechnology Platform Partnerships (CNPPs), is an integral component of a broader program - the NCI Alliance for Nanotechnology in Cancer (The Alliance) (http://nano.cancer.gov). In addition to CNPPs, the Alliance will consist of the Centers of Cancer Nanotechnology Excellence (CNCEs, as the core of the program infrastructure) and two training programs. The CNPPs are designed to enable multi-disciplinary team research and transformative discoveries in basic and pre-clinical cancer research. The proposed individual, circumscribed research projects are expected to address major barriers and/or fundamental questions in cancer biology, diagnosis, prevention, and/or treatment of the disease using innovative nanotechnology solutions. To advance such new nanotechnology discoveries, the proposed platform projects should take advantage of the collaborative environment of the Alliance network. This initiative is open to all qualified applicants regardless of whether or not they participated in the previous issuance of the Alliance program.
Amount: $2,000,000
LOI: September 14, 2009
Deadline: October 14, 2009
Key Words: Nanotechnology, Cancer

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:

HDTRA1-08-10-BRCWMD-BAA
Defense Threat Reduction Agency
This announcement solicits Proposals for long-term challenges in specific fundamental areas of Basic Research that offer a significant contribution to the current body of knowledge or further the understanding of phenomena and observable facts and may have impact on future capabilities that support the DTRA and JSTO-CBD missions.
Determinants of Antimicrobial Resistance and Persistence in Bacterial Strains
Dual Use Basic Science for Bio Defense Drug Design and Delivery of Novel Therapeutics
Interrogation of Biological Response to Acute Ionizing Radiation Exposure
Mechanisms of Molecular Recognition
New Concepts in Nano-scale Chemical and Biological Sensing
New Concepts in Spectroscopic Methods for Molecular Recognition
Signatures of Laboratory-Grown Bio-Agents
Amount: varies
LOI: White Paper Deadlines: November 2, 2009, May 12, 2010
Deadline: Multiple white paper submission deadlines, two remain: November 2, 2009; May 12, 2010.
To learn more: http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17804
Key Words: Weapons of Mass Destruction

Neurosciences

The Kavli Prize for Neuroscience and Nanoscience
New
The Norwegian Academy of Science and Letters
The nomination process will be open to all who wish to nominate candidates, with the exception that self-nominations will not be accepted. The prize can be awarded to a single person or shared for closely related fundamental contributions. Deceased persons cannot be nominated. Nominations are confidential and nominees should not know who nominated them.
All information, both written and verbal related to the identification and selection of the prize winners, will be held in the strictest confidence and not made available to the public for 50 years.
Amount: $1,000,000
LOI: N/R
Deadline: December 15, 2009
To learn more: http://www.kavliprize.no/artikkel/vis.html?tid=27137
Key Words: Nanoscience, Neuroscience

Translational Grants
New
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

Basic Research Fellowships
New
The American Brain Tumor Association
These two-year training awards support the salaries of young researchers entering the field of brain tumor research. This is often the first award of these researchers’ careers, and is coveted on an investigator’s curriculum vitae. The experience provides an opportunity in which young, bright, motivated investigators learn from motivating mentors.

**Amount:** $80,000

**Deadline:** January 8, 2010

[To learn more](http://www.abta.org/Research_Progress/2010_Funding_Opportunities/293)

**Key Words:** Brain Tumor

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**Discovery Research Grant Program**

**New**

The American Brain Tumor Association

The American Brain Tumor Association has launched a new special projects discovery grant program to support fresh and creative research ideas for solving the challenges of brain tumor diagnosis and treatment.

**Amount:** $50,000

**LOI:** October 15, 2009

**Deadline:** invitation only

[To learn more](http://www.abta.org/Research_Progress/2010_Funding_Opportunities/292)

**Key Words:** Brain Tumor

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

**New**

PAR-09-264

National Institutes of Health (NIH)

multiple institutes

The goal of this FOA is to facilitate the partnering of pain scientists and non-pain neuroscientists from the field of neural plasticity to capture insights and expertise from disciplines where transitions from health to disease have been extensively examined. An expected outcome of this FOA will be the formation of partnerships between pain researchers and non-pain neuroscientists to develop new collaborations focused on understanding the maladaptive neuroplastic changes that occur during the transition from acute to chronic pain. It is anticipated that these initial collaborations will lead to new applications for highly innovative projects centered on similar studies of the transition from acute to chronic pain. The purpose of this FOA is to encourage the submission of competitive revision applications that propose a collaborative, one year pilot study or a new specific aim associated with an active NIH grant. The parent grant may be focused on pain or on neural plasticity outside the area of pain.

**Amount:** $75,000

**LOI:** N/R

**Deadline:** November 23, 2009

[To learn more](http://grants.nih.gov/grants/guide/pa-files/PAR-09-264.html)

**Key Words:** Pain Management, Neural Plasticity

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**Neurotrophic Factor Therapies Research**

**New**

Michael J. Fox Foundation for Parkinson’s Research (MJFF)

The funding program is designed to identify and drive ambitious projects with a clear plan for accelerating trophic factor therapy through the stages of preclinical and clinical development up to and including Phase Two clinical studies. Also of interest are therapeutic approaches that include evidence that the trophic factor being studied holds potential for neuroregeneration (helping the brain rejuvenate sick cells) and not merely neuroprotection (protecting existing neurons from death).

The program is open to both academic and industry researchers. Applicants may seek up to three years of funding for projects focused on accelerating the development of neurotrophic factor therapies.

**Amount:** unspecified

**LOI:** optional conference call October 13, 2009

**Deadline:** November 18, 2009

[To learn more](http://www.michaeljfox.org/research_openFundingPrograms_program.cfm?ID=31)

**Key Words:** Parkinson’s Disease, Neurotrophic Factor Therapies

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**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 subarea work packages. The titles, scopes and points of contact for these work packages, each of which address general aspects of basic research in biotechnology, as well as the specific thrusts described, are listed below. A small number of symposia, conferences and workshops are also supported in part or in whole to provide an exchange of ideas related to ongoing programs in Army laboratories. Potential offerors are strongly encouraged to contact the appropriate TPOC for preliminary discussions on their ideas before any submissions. The TPOC may invite the offeror to submit a preproposal.

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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 microbial 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
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

Postdoctoral Fellowship Program in Eating Disorders Research
The Hilda and Preston Davis Foundation

The Hilda and Preston Davis Foundation is pleased to announce the 2010 cycle of its Postdoctoral Fellowship Program in Eating Disorders Research. By attracting young scientists to the field, each fellowship may lead to a lifetime career contribution to understanding the biological causes of eating disorders. The long term goal of the program is to accelerate medical research discoveries that will lead to improved therapies for anorexia nervosa and bulimia nervosa. The awards support postdoctoral fellows working in nonprofit academic or research institutions in the United States.

Research areas of interest include but are not limited to neural pathways of feeding behavior in animal models; molecular genetic analysis of relevant neural circuit assembly and function; testing of new chemical compounds that might be used in animal models as experimental treatments; and brain imaging technologies that identify neurochemical pathways in patients with these disorders. Clinical psychotherapeutic studies, medication trials and obesity research are currently outside the scope of this Program.

Amount: $195,000
LOI: N/R
Deadline: January 14, 2009
To learn more: http://www.hria.org/tmfservices/tmfgrants/davis.html
Key Words: Anorexia Nervosa, Bulimia nervosa, Brain Imaging

Perception, Action & Cognition
PD 03-7252
NSF

Supports research on perception, action and cognition including the development of these capacities. Emphasis is on research strongly grounded in theory. Research topics include vision, audition, haptics, attention, memory, reasoning, written and spoken discourse, motor control, and developmental issues in all topic areas. The program encompasses a wide range of theoretical perspectives, such as symbolic computation, connectionism, ecological, nonlinear dynamics, and complex systems, and a variety of methodologies including both experimental studies and modeling. Research involving acquired or developmental deficits is appropriate if the results speak to basic issues of perception, action, and cognition.

Amount: unspecified
LOI: N/R
Deadline: January 15, Annually
To learn more: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5686
Key Words: Cognition, Vision, Attention, Memory

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
Division of Behavioral and Cognitive Sciences Developmental and Learning Sciences (DLS)
PD 08-1698
NSF
DLS supports fundamental research that increases our understanding of cognitive, linguistic, social, cultural, and biological processes related to children's and adolescents' development and learning. Research supported by this program will add to our basic knowledge of how people learn and the underlying developmental processes that support learning, with the objective of leading to better educated children and adolescents who grow up to take productive roles as workers and as citizens. Among the many research topics supported by DLS are: developmental cognitive neuroscience; development of higher-order cognitive processes; transfer of knowledge from one domain or situation to another; use of molecular genetics to study continuities and discontinuities in development; development of peer relations and family interactions; multiple influences on development, including the impact of family, school, community, social institutions, and the media; adolescents' preparation for entry into the workforce; cross-cultural research on development and learning; and the role of cultural influences and demographic characteristics on development. Additional priorities include research that: incorporates multidisciplinary, multi-method, microgenetic, and longitudinal approaches; develops new methods, models, and theories for studying learning and development; and integrates different processes (e.g., learning, memory, emotion), levels of analysis (e.g., behavioral, social, neural), and time scales (e.g. infancy, middle childhood, adolescence).

Amount: unspecified
LOI: N/R
Deadline: January 15, Annually
To learn more: [Link]
Key Words: Child Development, Learning, Attention, Adolescents

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: [Link]
Key Words: 

Lab to Marketplace: Tools for Brain and Behavioral Research (SBIR [R43/R44])
PA-08-071
NIH
The NIH Blueprint for Neuroscience Research is a framework to enhance cooperative activities among the NIH Office of the Director and 15 NIH Institutes and Centers that support research on the nervous system. This Funding Opportunity Announcement (FOA) is released in affiliation with the Neuroscience Blueprint, with Institutes and Centers participating independently, and with participation by Institutes and Centers that are not part of the Blueprint. This FOA encourages the translation of technologies for brain or behavioral research from academic and other non-small business research sectors to the marketplace. Solicited from Small Business Concerns (SBCs) are Small Business Innovation Research (SBIR) grant applications that propose to further develop, make more robust, and make more user-friendly such technologies in preparation for commercial dissemination. It is expected that this activity will require partnerships and close collaboration between the original developers of these technologies and SBCs, which may be accomplished in any of a number of ways, including the use of multiple principle investigators.

Amount: varies
LOI: N/R
Deadline: continuous, see listing
To learn more: [Link]
Key Words: 

Sharing Data and Tools: Federations using the BIRN and caBIG Infrastructures (R01)
NOT-HL-08-103
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 FOA is released in affiliation with the...
Neuroscience Blueprint, with Institutes and Centers participating independently, and with participation by Institutes that are not part of the Neuroscience Blueprint. Institutes that are not part of the Blueprint are also participating.

**Amount:** $250,000  
**LOI:** N/R  
**Deadline:** multiple dates; January, September 21, 2009  
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PAR-07-426.html#SectionIV](http://grants.nih.gov/grants/guide/pa-files/PAR-07-426.html#SectionIV)  
**Key Words:** Cognitive Neuroscience

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**Cognitive Neuroscience**  
**NSF 09-563**  
**National Science Foundation (NSF)**  
The Cognitive Neuroscience Program seeks highly innovative and interdisciplinary proposals aimed at advancing a rigorous understanding of how the human brain supports thought, perception, affect, action, social processes, and other aspects of cognition and behavior, including how such processes develop and change in the brain and through time. 

**Amount:** varies  
**LOI:** N/R  
**Deadline:** January 24, 2010  
**Key Words:** Cognitive Perception, Neuroscience

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**The Human Connectome Project (U54)**  
**RFA-MH-10-020**  
**National Institutes of Health (NIH), multiple organizations**  
This Funding Opportunity Announcement (FOA) is issued as an initiative of the NIH Blueprint for Neuroscience Research. The Neuroscience Blueprint is a collaborative framework through which 16 NIH Institutes, Centers and Offices jointly support neuroscience-related research, with the aim of accelerating discoveries and reducing the burden of nervous system disorders (for further information, see [http://neuroscienceblueprint.nih.gov/](http://neuroscienceblueprint.nih.gov/)). The overall purpose of this five year Human Connectome Project (HCP) is to develop and share knowledge about the structural and functional connectivity of the human brain. This purpose will be pursued through the following specific efforts: Existing, but cutting-edge, non-invasive imaging technologies will be optimized and combined to acquire structural and functional in vivo data about axonal projections and neural connections from brains of hundreds of healthy adults. Demographic data and data regarding sensory, motor, cognitive, emotional, and social function will also be collected for each subject, as will DNA samples and blood (to establish cell lines). Models to better understand and use these data will be developed. Connectivity patterns will be linked to existing architectonic data. 

**Amount:** $30,000,000  
**LOI:** October 24, 2009  
**Deadline:** November 24, 2009  
**Key Words:** Non-invasive Imaging, Neural Connections, Cell Lines

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**Exploratory/Developmental Bioengineering Research Grants(EBRG) [R21]**  
**PA-06-418**  
**National Institutes of Health (NIH), multiple institutes**  
This Funding Opportunity Announcement (FOA) is intended to encourage innovation and high impact research. While minimal or no preliminary data are expected to be described in the application, applications should clearly indicate the significance of the proposed work and that the proposed research and/or development is scientifically sound, that the qualifications of the investigators are appropriate, and that resources available to the investigators are adequate. 
Participating Institutes and Centers of the NIH invite applications for Exploratory/Developmental Bioengineering Research Grants (EBRG) to support innovative, high risk/high impact bioengineering research in new areas that may have minimal or lack preliminary testing or development.  
An EBRG application may propose hypothesis-driven, discovery-driven, developmental, or design-directed research. The research proposed under this program can explore approaches and concepts new to a particular substantive area; research and development of new technologies, techniques or methods; or initial research and development of data upon which significant future research may be built. 

**Amount:** $275,000  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**Key Words:** Imaging, Bioengineering, Arthritis, Musculoskeletal and Skin Diseases, Dental and Craniofacial, Neurological Disorders, Stroke, CAM
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, 2009; and August 25, 2010
Deadline: September 23, 2009; and September 23, 2010

Key Words: Mental Health, Neuropsychiatry, Psychiatry

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This program invites research grant applications aimed at understanding or treating generalized and focal dystonias. The aim of this FOA is to encourage basic, translational and clinical studies; to determine the patho-physiology of dystonia; to stimulate the development of basic and translational resources to further dystonia research; to accelerate research into promising therapeutic approaches for dystonia; and to stimulate progress in dystonia research through encouraging and facilitating interdisciplinary interactions.

Amount: unspecified
LOI: N/R
Deadline: Standard dates apply

Key Words: Neurological Disorders

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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, 2009; August 31, 2010
Deadline: September 29, 2009; 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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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
Notice of Intent to Publish a Request for Applications for 2010 NIDA Translational Avant-garde Award for Medication Development for Diseases of Addiction (DP1)
NOT-DA-09-014
National Institute on Drug Abuse (NIDA)
The National Institute on Drug Abuse (NIDA) intends to promote a new initiative, the 2010 NIDA Translational Avant-garde Award, by publishing a Request for Applications (RFA) to solicit applications for outstanding translational projects for the development of small molecules or biologics to address unmet medical needs for drug addiction treatments. Clinical indications may include substance use disorders stemming from tobacco, cannabis, cocaine, methamphetamine, or prescription opiate use or abuse.
In contrast to proposals focusing solely on novel target discovery, new animal model generation, development and testing of human laboratory models or mechanistic studies of the neurobiology of addiction, the NIDA Translational Avant-garde Award applications are expected to be based on a robust body of background data in the basic sciences and discovery phases, and to be poised to transition from late drug discovery to pre-clinical and/or clinical phases of medication development.
The FOA is expected to be published on or before December 2009 with an expected receipt date in April 2010. This FOA will utilize the two-tiered review process using the X02 and DP1 application mechanisms
Amount:
LOI:  N/R
Deadline:  Released September 11, 2009
To learn more:  http://grants.nih.gov/grants/guide/notice-files/NOT-DA-09-014.html
Key Words:  Substance Abuse, Neurobiology of Addiction, Treatment

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 E4 allele confers increased AD risk for the purpose of advancing the overall search for efficacious AD treatments and Apolipoprotein E4-directed therapeutics in particular. To this end we encourage research spanning multiple levels of analysis in multiple species (from mice to man). Studies aimed at identifying new therapeutic targets for the treatment of AD and other age-related neurodegenerative conditions associated with lipid neurobiology are strongly encouraged. Also of great interest are projects that aim to use lipidomics, various types of imaging and other cutting edge technologies to identify and develop early biomarkers of neurodegeneration associated lipid dyshomeostasis.
Amount:  varies
LOI:  N/R
Deadline:  Standard dates apply
To learn more:  http://grants.nih.gov/grants/guide/notice-files/PA-09-217.html
Key Words:  Apolipoprotein, Alzheimer’s Disease

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/notice-files/PAR-08-266.html
Key Words:  Alzheimer’s Disease, Cognitive Function, Cognitive Impairment
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

Collaborative Neurological Sciences (CNS) Award (S11)  
PAR-07-357  
National Institute of Neurological Disorders and Stroke  
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

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

**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 (Sep 25, 2009)
Key Words: Minorities and Disadvantaged, Neurological Disorders, Neuroscience, Stroke

**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: Standard dates apply
Key Words: Neuroscience

**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

**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](http://grants.nih.gov/grants/guide/pa-files/PAR-08-234.html)  
**Key Words:** Neurological Disorders, Neurology, Neuroscience, Clinical translational

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**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  
**Key Words:** Neurology, Neurological Research

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**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:** December 16, 2009; 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](http://grants.nih.gov/grants/guide/pa-files/PAR-09-263.html)  
**Key Words:** Ancillary Studies, Clinical Trials

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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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**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)


**Key Words:** Neurological Disorders, Neurology, Neuroscience, Clinical translational

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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 (January 28, 2010; 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
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:**

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**Neurodevelopment and Neuroendocrine Signaling in Adolescence: Relevance to Mental Health [(R01) PA-09-008] and [(R21) PA-09-009]**

PA-09-008 and PA-09-009

National Institute of Mental Health (NIMH)

This funding opportunity announcement (FOA) solicits research grant applications that propose to identify neurodevelopmental and neuroendocrine mechanisms that impact emotional and cognitive development and emerging psychopathology during adolescence, utilizing animal models and human studies.

**Amount:** varies
LOI: N/R
Deadline: standard dates apply


**Key Words:** Neurodevelopment, Cognitive Development, Adolescent
Identification and Characterization of Sensitive Periods for Neurodevelopment in Studies of Mental Illness (R01) and (R21)
RFA-MH-10-010 and RFA-MH-10-011
National Institute of Mental Health (NIMH)
This Funding Opportunity Announcement (FOA), issued by the National Institute of Mental Health (NIMH), solicits research grant applications from institutions/organizations that propose to investigate the role of sensitive periods (i.e., periods during which the developing brain is maximally sensitive to environmental influences that confer risk or resilience) in the development of cognitive or affective function and behaviors relevant to mental health disorders. In particular, applications may address sensitive periods in the development of normal function or psychopathology, sensitive periods for intervention to prevent, pre-empt, and/or treat mental illness, and the mechanisms underlying the interaction between genetics, experience, and development.
Amount: varies
LOI: September 20, 2009
Deadline: October 20, 2009
Key Words: Neurodevelopment, Mental Health Disorders

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:

Exceptional, Unconventional Research Enabling Knowledge Acceleration (EUREKA) (R01)
RFA-GM-10-009
National Institute of General Medical Sciences (NIGMS)
National Cancer Institute (NCI)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Dental and Craniofacial Research (NIDCR)
National I
This FOA solicits Research Project Grant (R01) applications from institutions/organizations proposing exceptionally innovative research on novel hypotheses or difficult problems, solutions to which would have an extremely high impact on biomedical or biobehavioral research that is germane to the mission of one or more of the participating NIH Institutes. This FOA is for support of new projects, not continuation of projects that have already been initiated. It does not support pilot projects, i.e., projects of limited scope that are designed primarily to generate data that will enable the PI to seek other funding.
Amount: $800,000
LOI: N/R
Deadline: November 24, 2009
Key Words: Novel, High Impact

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.
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/](http://www.maydayfund.org/)

Key Words: Pain, Pain Alleviation

Defense Medical Research and Development Program Applied Research and Advanced Technology Development Award

W81XWH-09-DMRDP-ARATDA

Dept. of the Army -- USAMRAA

The DMRDP Applied Research and Advanced Technology Development Award is being offered for the first time in FY10. These awards are intended to provide support for research that is designed to advance state-of-the-art solutions for world class medical care with an emphasis on post-traumatic stress disorder (PTSD), TBI, prosthetics, restoration of eye sight and advancing eye care, and other conditions directly relevant to the injuries our service members are currently receiving on the battlefield, as well as the capability needs of the JFHP CONOPS. DMRDP efforts will assess scientific and/or military field deployment feasibility of promising new products, pharmacologic agents (drugs and biologics), behavioral and rehabilitation interventions, diagnostic and therapeutic devices, clinical guidance, supporting medical information and training systems, and/or emerging approaches and technologies. These awards are expected to yield potential health products, approaches, or technologies positioned for human testing. Awards under this announcement will consist solely of assistance agreements. This award is focused on applied research, defined as work that refines concepts and ideas into potential solutions with a view toward evaluating technical feasibility, and advanced technology development, defined as development of candidate solutions and components of early prototype systems up to the point where test and evaluation can be conducted in human trials or other relevant operational environments. Awards may support human studies but may not be used to support clinical trials. Awards may not be used to support fundamental basic research.

**Amount:** $970,000

**LOI:** N/R

**Deadline:** December 18, 2009

To learn more: [http://www.grants.gov/search/search.do?mode=VIEW&oppId=49231](http://www.grants.gov/search/search.do?mode=VIEW&oppId=49231)

Key Words: TBI, Polytrauma, Hemorrhage Control, Tissue Viability, Blood Substitutes, Maxillofacial Injury

Psychological Health and Traumatic Brain Injury Research Program Investigator-Initiated Research Award

W81XWH--09-PHTBIRP-IIRA

DEPARTMENT OF DEFENSE (DOD)

The PH/TBI Research Program Investigator-Initiated Research Award is intended to support studies that make an important contribution to PH/TBI research and/or patient care in at least one of the FY09 PH/TBI topic areas, and are responsive to the health care needs of warriors, Veterans, families, caregivers and/or communities. All applications must specifically and clearly address the military relevance of the proposed research. Collaboration with military researchers and clinicians is encouraged. Research projects may focus on any phase of research from basic laboratory through translational research. Observations that drive a research idea may be derived from laboratory discovery, population-based studies, or a clinician’s firsthand knowledge of patients and anecdotal data. Preference will be given to proposals that include preliminary and/or published data relevant to the PH/TBI topic area and the proposed project, but omission of these will not be a disqualifying factor. Partnering PI Option: As a method to bring a new perspective to research and facilitate progress in the PH/TBI field by combined effort, the FY09 PH/TBI Research Program is offering a Partnering PI option for this award mechanism. Development of the research plan should involve a reciprocal flow of ideas and information with equal intellectual input from all partners into the design of a single research project. For example, a proposed project in which a partner DOD PH/TBI Research Program Investigator-Initiated Research Award merely supplies support services, tissue samples, or access to patients will not meet the intent of this option. This award option is structured to accommodate up to three PIs.

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

**LOI:** August 14, 2009

**Deadline:** October 28, 2009

To learn more: [http://www.grants.gov/search/search.do?mode=VIEW&oppId=48395](http://www.grants.gov/search/search.do?mode=VIEW&oppId=48395)

Key Words: Psychological Health, Traumatic Brain Injury
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 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.

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

Alzheimer's Disease Standard, Pilot and Research Fellowships
American Health Assistance Foundation
The standard award provides significant funding for researchers who have already generated some amount of preliminary data, but often still require significant progress before they can apply to governmental or industrial funding agencies.
Pilot awards are designed to take a highly innovative proposal with modest preliminary data and give investigators the opportunity to prove their ideas. These awards are typically described as being ‘high risk – high reward’. They are often given to investigators who need funding to demonstrate the validity of a very focused hypothesis.

Amount: $400,000
LOI: N/R
Deadline: October 19, 2009
To learn more: http://www.ahaf.org/research/apply/main.html
Key Words: Alzheimer's Disease, AD, Translational Research

Research Grants
American Fibromyalgia Syndrome Association (AFSA)
AFSA is an all volunteer nonprofit organization dedicated to funding research that investigates the causes and treatments for fibromyalgia syndrome.

Amount: $50,000 annually
LOI: N/R
Deadline: Continuous
To learn more: http://www.afsafund.org/grant.htm
Key Words:

2010 ADDF/LBDA Lewy Body Dementia Biomarker Research Award"
Alzheimer's Drug Discovery Foundation
The Alzheimer's Drug Discovery Foundation (ADDF) and The Lewy Body Dementia Association (LBDA) are issuing a Request for Proposals for the 2010 ADDF/LBDA Lewy Body Dementia Biomarker Research Award. This award will provide $100,000 for one year of support to catalyze a research project focused on developing innovative biomarkers that aid in early diagnosis, detection and disease monitoring of Lewy Body Dementia.

Amount: $100,000
LOI: N/R
Deadline: November 1, 2009
To learn more: http://www.alzdiscovery.org/index.php/research-programs/grant-opportunities
Key Words: LBDA, Lewy Body, Dementia, Neurodegeneration, Biomarkers
Research Interests of the Air Force Office of Scientific Research
AFOSR-BAA-2009-1

Air Force Office of Scientific Research
AFOSR plans, coordinates, and executes the Air Force Research Laboratory’s (AFRL) basic research program in response to technical guidance from AFRL and requirements of the Air Force; fosters, supports, and conducts research within Air Force, university, and industry laboratories; and ensures transition of research results to support USAF needs. The focus of AFOSR is on research areas that offer significant and comprehensive benefits to our national warfighting and peacekeeping capabilities. These areas are organized and managed in three scientific directorates: Aerospace, Chemical and Material Sciences (NA), Physics and Electronics (NE), and Mathematics, Information and Life Sciences (NL). The research activities managed within each directorate are summarized within this BAA. AFOSR solicits proposals for basic research through this general Broad Agency Announcement (BAA). This BAA outlines the Air Force Defense Research Sciences Program. AFOSR invites proposals for research in many broad areas. These areas are described in detail in Section I, Funding Opportunity Description. AFOSR is seeking unclassified, fundamental research white papers and proposals that do not contain proprietary information. Life Science Areas include:
Mathematical Modeling of Cognition and Decision
Collective Behavior and Socio-Cultural Modeling

Amount: $750,000
LOI: N/R
Deadline: Open
To learn more: http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&opplId=46106
Key Words: Cognition, Behavioral Influences

Nursing; Practice & Outcomes Research

RWJF New Careers in Nursing

New
The Robert Wood Johnson Foundation (RWJF)
The Robert Wood Johnson Foundation New Careers in Nursing is a scholarship program to help alleviate the nursing shortage and increase the diversity of nursing professionals. Through grants to schools of nursing, the program will provide scholarships to college graduates with degrees in other fields who are enrolled in accelerated baccalaureate and master’s degree nursing programs.

Amount: up to $300,000
LOI: October 21, 2009 and November 6, 2009 optional web conferences
Deadline: December 15, 2009
To learn more: http://www.rwjf.org/applications/solicited/cfp.jsp?ID=20905
Key Words: Nursing Scholarships

Future Calls for Proposals

New
Robert Wood Johnson Foundation (RWJF)
Whenever possible, RWJF will post advance notice of when they intend to issue calls for proposals (CFPs). In general, the application deadline for most CFPs will be one to three months after the release date.
Harold Amos Medical Faculty Development Program
Interdisciplinary Nursing Quality Research Initiative (INQRI)
Medicaid Leadership Institute
Robert Wood Johnson Foundation Clinical Scholars Program
Robert Wood Johnson Foundation Nurse Faculty Scholars

Amount:
LOI:
Deadline: October, November, December release dates
To learn more: http://www.rwjf.org/applications/solicited/upcomingcfplist.jsp?cid=xrs_rss-fa
Key Words: Nursing, Medicaid, Clinical Scholars

Pilot And Exploratory Projects In Palliative Care Of Cancer Patients And Their Families

New
American Cancer Society (ACS)
This RFA provides funding for investigators performing pilot and exploratory research studies whose purpose is to test interventions, develop research methodologies, and explore novel areas of research in palliative care of cancer patients and their families. A condition
of funding is a clearly defined plan as to how the investigator will use the results of the project to develop larger, extramurally funded research projects.

This RFA is limited to applications that focus on palliative care research projects for seriously ill cancer patients and their families in three (3) specific areas:

1. Exploring the relationship of pain and other distressing symptoms on quality and quantity of life, independence, function, and disability and developing interventions directed at their treatment in patients with advanced and chronic illnesses;
2. Studying methods of improving communication between adults living with serious illness, their families and their health care providers;
3. Evaluating models and systems of care for patients living with advanced illness and their families.

Amount: $120,000
LOI: N/R
Deadline: October 15, 2010
To learn more: http://a676.g.akamaitech.net/f/676/773/90m/images.m0.net/cm50content/19439/9218/PilotandExploratoryProjects_RFA_July_2009.pdf

Key Words: Palliative Care, Pain and Symptom Management, Communication Skills, Care Coordination

Evaluating Innovations in Nursing Education
The Robert Wood Johnson Foundation (RWJF)
In support of Robert Wood Johnson Foundation's commitment to address the nursing shortage, Evaluating Innovations in Nursing Education will fund evaluations of interventions that expand teaching capacity or promote faculty recruitment and retention in nursing schools. An important activity of the program will be disseminating successful strategies so they can be replicated in other nursing education settings.

Amount: $300,000
LOI: October 5 and 26, 2009; optional Web conference.
Deadline: November 24, 2009
To learn more: http://www.rwjf.org/applications/solicited/cfp.jsp?ID=20742

Key Words: Nursing, Nursing Education, Faculty Recruitment

Ruth L. Kirschstein National Research Service Award (NRSA) for Individual Predoctoral Fellows (F31) in Nursing
PAR-05-091
National Institutes of Health (NIH)
This grant 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: stipend plus
LOI: N/R
Deadline: Standard dates apply

Key Words: Nursing, Post Doctoral Training, Research Training

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
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

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

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 Career Transition Award (K22)
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

Key Words: Nursing Research

NINR Mentored Research Scientist Development Award for Underrepresented or Disadvantaged Investigators (K01)
PAR-09-074
National Institute of Nursing Research (NINR)
The purpose of the NINR Mentored Research Scientist Development Award for Underrepresented or Disadvantaged Investigators (K01) is to provide support and “protected time” (three, four, or five years) for an intensive, supervised career development experience in the biomedical, behavioral, or clinical sciences leading to research independence.

Mechanism of Support: This Funding Opportunity Announcement (FOA) will utilize the NIH Mentored Research Scientist Development Award (K01) mechanism.

Amount: varies
LOI: N/R
Deadline: Standard dates apply

Key Words: Nursing Research

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

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
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
Deadline: Standard dates apply
Key Words: Diabetes, Health Disparities, Nursing, Clinical and Basic Research

Development and Validation of Disease Biomarkers (R01)
PA-09-204
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) (http://www2.niddk.nih.gov)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Nursing Research (NINR)
Office of Dietary Supplements (ODS)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), the National Institute of Nursing Research (NINR), and the Office of Dietary Supplements (ODS) of the National Institutes of Health, will provide resources to validate candidate biomarkers for well-defined human diseases of the liver, kidney, urological tract, and digestive and hematologic systems, as well as endocrine and metabolic disorders, diabetes and its complications, and obesity, for which there are no or very few biomarkers, or for which standard biomarkers are currently prohibitively invasive or expensive. A biomarker is an indicator of a disease process, and could replace hard clinical end points as a measure of the effect of new therapies. Appropriate studies will validate candidate biomarkers in well-defined patient populations, provide new technologies to monitor biomarkers or establish reliable assays for validated markers. Progress in this area has the potential to advance translational research related to efficacy of treatments and bio-behavioral interventions. This FOA is not appropriate for biomarker discovery projects.
Amount: varies
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

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
Deadline: December 21, 2009; April 20, 2010; August 20, 2010; December 20, 2010; April 20, 2011; August 22, 2011; December 20, 2011
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:

Medication Optimization Diffusion Grants Program
Center for Technology and Aging
Medication optimization refers to a wide variety of technologies designed to help manage medication information, dispensing, adherence, and tracking. Programs eligible for grants must use technologies that are ready to be used more broadly. Grantees will be expected to have prior experience with medication optimization technologies and will need to demonstrate a positive and measurable impact in the near term, including reducing the likelihood that older adults will be moved to more intensive, high-cost care settings. Most important, programs receiving grants will need to propose a strategy for successfully integrating their technology into the fabric of state and national healthcare delivery and reimbursement systems.
Amount: $100,000
LOI: October 2, 2009
Deadline: November 9, 2009
To learn more: http://www.techandaging.org/grants_home.html
Key Words: Health Care Delivery, Health Care Costs, Medication Optimization

Researching Implementation and Change while Improving Quality (R18)
PAR-08-136
Agency for Healthcare Research and Quality
The Agency for Healthcare Research and Quality (AHRQ) announces the Agency’s interest in supporting grants to rigorously study the implementation of quality improvement strategies and provide generalizable scientific findings about the implementation of the quality improvement strategy, related organizational changes, and their impact. There is increasing evidence that success in achieving quality improvement goals is at least partially attributable to implementation processes and contexts and not just to the nature of the quality improvement strategy. The research funded through this announcement may be conducted by the team designing/implementing the quality improvement strategy or it may be conducted by a separate team. The quality improvement strategy must be one that is expected to result in major improvements in health care delivery that will enhance patient outcomes. Research design and execution will yield results providing AHRQ, providers, patients, payers, policymakers, and the public with contextual details and high level of confidence about what works and what doesn’t in improving health care in the United States.
Amount: varies but will not exceed $300,000 annually
LOI: N/R
Deadline: standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-136.html
Key Words:

Nutrition
Prioritizing Molecular Targets for Cancer Prevention with Nutritional Combinations (R01)
This Funding Opportunity Announcement (FOA), solicits grant applications to enhance mechanistic understanding of the dynamic interrelationship between bioactive food components and/or food combinations and cancer prevention. Projects proposed in response to this FOA must focus on either multiple dietary bioactive components, intact foods, and/or multiple foods utilizing physiologically relevant concentrations of the bioactive agents. The main outcome of these studies must be the prioritization of targets/processes that are most relevant to cancer prevention by dietary components. The overall long-term goal is to use such information in developing dietary strategies to reduce cancer risk and/or modify tumor behavior.

**Amount:** varies

**LOI:** N/R

**Deadline:** multiple, see link; continuous through January 8, 2010

**To learn more:** [http://grants1.nih.gov/grants/guide/pa-files/PA-07-100.html](http://grants1.nih.gov/grants/guide/pa-files/PA-07-100.html)

**Key Words:**

Exfoliated Cells, Bioactive Food Components, and Cancer (R01) [PA-08-030] and (R21) [PA-08-031]

**PA-08-030 and PA-08-031**

**NIH**

The National Cancer Institute (NCI) invites applications for new R01 grants focusing on research to critically evaluate the use of exfoliated cells to monitor the physiological effects of dietary bioactive food components thought to be involved with cancer prevention. The objective is to encourage interdisciplinary collaborations between scientists engaged in research using exfoliated cells and those conducting nutrition research related to cancer prevention. This research will help determine the utility of exfoliated cells as a model system to monitor both the absorption and retention of bioactive food components and the concomitant alterations in genomic and epigenetic events that occur in intact cells.

**Amount:** $275,000 over 2 years

**LOI:** N/R

**Deadline:** multiple, see announcement; continuous through January 8, 2011


**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:**

Enhancing Tumoricidal Activity of Natural Killer (NK) Cells by Dietary Components for Cancer Prevention (R01) [PA-08-131] and (R21) [PA-08-132]

**PA-08-131 and PA-08-132**

**NIH**

This funding opportunity announcement (FOA) is designed to stimulate research efforts aimed at establishing the physiological significance of dietary components in modulating the tumoricidal cell activity of natural killer (NK) cells for cancer prevention. The focus of research projects proposed in response to this FOA should be on defining the minimum quantity and duration of exposure to specific dietary components to modulate tumoricidal cell activity of NK cells for cancer prevention and the underlying mechanism(s) accounting for this response. Proposed projects must include animal and/or human investigations to be considered responsive to this announcement. Highly purified populations of immune cells, specific tumor cells such as RMA-S that lack class I MHC expression, target cell-free system, or single-cell assays may be used to define the molecular basis for the diet-induced changes in tumoricidal activity. However, the in vitro studies are only to be used to support in vivo studies and should not constitute the primary focus of the application. Molecular targets for food components may be examined at the sites of the tumoricidal cell receptors and cancer cell
specific ligands, the output of tumoricidal cytokines (e.g., IFN-g), and the release of lytic granules such as a granulysin, perforin, and serine proteases (granzymes).

**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.

**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.

**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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**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](http://grants.nih.gov/grants/guide/pa-files/PAR-09-177.html)

**Key Words**: Obesity, Diabetes

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**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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**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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**Nutrition Obesity Research Centers (P30)**

**RFA-DK-09-006**

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:** October 22, 2009

**Deadline:** November 18, 2009


**Key Words:** Obesity

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**Consortium of Food Allergy Research (CoFAR) and CoFAR Statistical and Clinical Coordinating Center (CoFAR SACCC) (U19 and U01)**

**RFA-AI-09-039**

National Institute of Allergy and Infectious Diseases

National Institute of Diabetes and Digestive and Kidney Diseases

This FOA issued by the National Institute of Allergy and Infectious Diseases (NIAID) and the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health (NIH), solicits grant applications for the continuation and expansion of the Consortium of Food Allergy Research (CoFAR). The Consortium will consist of a collaborative clinical research program to develop new approaches to treat and prevent IgE-mediated food allergy, including food allergy-associated anaphylaxis and food allergy-associated eosinophilic gastrointestinal disease (EGID). Within the context of these disorders, the goals of the program are to: (1) develop immune intervention strategies for prevention and treatment, (2) identify the mechanisms underlying the natural histories of these disorders, and (3) define the genetic components of these disorders. The consortium may consist of both collaborative multi-project as well as individual research projects. In addition this FOA will provide support for one Statistical and Clinical Coordinating Center (SACCC) to support the clinical research.

**Amount:** up to $4,000,000

**LOI:** October 9, 2009

**Deadline:** November 10, 2009


**Key Words:** Food Allergies

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**Nutrition and Physical Activity Research to Promote Cardiovascular and Pulmonary Health (R01) and (R21)***
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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**Clarification of Specific Research Objective in PAR-09-224, Improving Diet and Physical Activity Assessment (R01)**

NOT-CA-09-032
National Cancer Institute
National Heart, Lung, and Blood Institute
National Institute on Aging
Eunice Kennedy Shriver National Institute of Child Health and Human Development
National Institute of Diabetes and Digestive and Kidney Diseases
National Inst

Among the potential topics of research appropriate for PAR-09-224(Section I. Funding Opportunity Description, 1. Research Objectives), research projects related to biomarker-based validation of diet and physical activity measures, are explicitly encouraged. The following Specific Research Objective is included in this FOA:

Validate methods for measuring dietary and/or supplement intake or physical activity using appropriate reference instruments, including biomarkers, objective measures, or physiologic outcomes such as strength and fitness.

Biomarker based validation studies of newly developed Internet-based diet and physical activity assessment instruments in existing cohorts are highly encouraged. Biomarker studies of interest might include resting metabolic rate, total energy expenditure, body composition, fasting bloods, and 24-hour urines. Further comparisons of the Internet-based and conventional self-report instruments with newer biomarkers/instruments, including heart rate monitors, metabolomic profiles, and urinary markers of sugar and meat intake would be appropriate for this FOA. NIH has developed novel internet-based diet and physical activity recall instruments and new statistical techniques that combine data from the Internet-based tools with data from conventional instruments, self-reports, and biomarker studies. This FOA encourages cohorts that: 1) have access to clinical facilities for biomarker studies; and, 2) can administer conventional food frequency and physical activity questionnaires along with the new internet-based diet and physical activity recalls. Large numbers of people from cohorts in diverse geographic areas and among different racial and ethnic groups are encouraged. Collaboration among cohorts is also encouraged. A white paper indicating the type of study design encouraged by NCI is available at: [http://riskfactor.cancer.gov/tools/biomarker_validation_in_cohorts.pdf](http://riskfactor.cancer.gov/tools/biomarker_validation_in_cohorts.pdf)

No other aspects of this FOA are changed. The next due date for new applications is October 5, 2009. Please note that this FOA uses alternating cycle standard due dates.

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

Investigational Nutrigenetic Studies for Cancer Prevention
[(R01) PA-08-220] and [(R21) PA-08-221]
PA-08-220 and PA-08-221
National Cancer Institute (NCI)
National Institute of Nursing Research (NINR)
Office of Dietary Supplements (ODS)
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), the National Institute of Nursing Research (NINR), and the Office of Dietary Supplements (ODS), all of the National Institutes of Health (NIH), solicits applications for research projects that can combine information on individual genetic variations from the Human Genome and International HapMap Projects to stimulate small pilot dietary intervention studies. The overarching goal is to examine whether genetic variants can predict individual response to dietary components that alter cancer processes and modify individual 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
To learn more: [Link](https://grants.nih.gov/grants/guide/pa-files/PA-08-220.html) and [Link](https://grants.nih.gov/grants/guide/pa-files/PA-08-221.html)
Key Words: Dietary Intervention, Cancer Susceptibility, Genetic Predictions

Improving Diet and Physical Activity Assessment (R01)
PAR-09-224
National Cancer Institute (NCI)
National Heart, Lung, and Blood Institute (NHLBI)
National Institute on Aging (NIA)
National Institute of Child Health and Human Development (NICHD)
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), the National Heart, Lung, and Blood Institute (NHLBI), the National Institute on Aging (NIA), the National Institute of Child Health and Human Development (NICHD), the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Institute of Nursing Research (NINR), and the National Institutes of Health (NIH) Office of the Director (OD) Office of Dietary Supplements (ODS), encourages innovative research to enhance the quality of measurements of dietary intake and physical activity. Applications submitted under this FOA may include development of: novel assessment approaches; better methods to evaluate instruments; assessment tools for culturally diverse populations or various age groups, including older adults; improved technology or applications of existing technology; statistical methods to assess or correct for measurement errors or biases; methods to investigate the multidimensionality of diet and physical...
activity behavior through pattern analysis; or integrated measurement of diet and physical activity along with the environmental context of such behaviors.

**Amount:** varies

**LOI:** 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

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**Impact of Health Communication Strategies on Dietary Behaviors**

**[(R21)] PA-08-240** and **[(R01)] PA-08-241**

PA-08-240 and PA-08-241
National Cancer Institute (NCI)
National Heart, Lung, and Blood Institute (NHLBI)
National Institute of Child Health and Human Development (NICHD)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Office of Behavioral and Social Sciences Research

This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), the National Heart, Lung, and Blood Institute (NHLBI), the National Institute of Child Health and Human Development (NICHD), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), the Office of Behavioral and Social Sciences Research (OBSSR), the NIH-Office of Disease Prevention (ODP), the Office of Dietary Supplements (ODS), the U.S. Food and Drug Administration (FDA), and the Centers for Disease Control and Prevention (CDC), encourages applications for research projects focused on the development and implementation of effective communication strategies related to diet and health. Specifically, this FOA is designed to promote interdisciplinary research, conducted at multiple levels (e.g., individual, community/environment, and policy) and across diverse populations, to evaluate effective communication approaches for changing dietary behaviors.

**Amount:** $275,000

**LOI:** N/R

**Deadline:** Standard dates apply


**Key Words:** Nutrition, Communication

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**Program in Eating Disorders Research**

Klarman Family Foundation

The Klarman Family Foundation is interested in providing strategic investment in translational research that will accelerate progress in developing effective treatments for anorexia nervosa, bulimia nervosa and binge eating disorder. The Program’s short-term goal is to support the most outstanding science and expand the pool of scientists whose research explores the basic biology of eating disorders. The long-term goal is to improve the lives of patients suffering from these conditions.

Examples of funding areas include but are not limited to molecular genetic analysis of relevant neural circuit assembly and function; animal models created by genetically altering neural circuits; testing of new chemical entities that might be used in animal models as exploratory treatments; and brain imaging approaches that identify neurochemical pathways in patients with these disorders. Investigators conducting research in the neuro-circuitry of fear conditioning or reward behavior may also apply but must justify the relevance of their research projects to the basic biology of eating disorders. Clinical psychotherapeutic studies, medication trials and research in the medical complications of these disorders are outside the scope of this Program.

**Amount:** $400,000

**LOI:** N/R

**Deadline:** December 8, 2009

**To learn more:** [http://www.hria.org/tmfgrants/klarman/](http://www.hria.org/tmfgrants/klarman/)

**Key Words:** Anorexia Nervosa, Bulimia Nervosa, Binge Eating Disorder, Molecular Genetic Analysis, Neural Circuit Assembly

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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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**Research Scholar Awards**

American Gastroenterological Association Foundation for Digestive Health and Nutrition

The AGA Foundation for Digestive Health and Nutrition Research Scholar Awards are made to enable young investigators to develop independent and productive research careers in digestive diseases by ensuring that a major proportion of their time is protected for research.

The awards each provide $75,000 per year for three years (total $225,000) for young investigators working toward independent careers in gastroenterology, hepatology, or related areas.

Candidates must hold an M.D., Ph.D., or equivalent degree. Applicants must hold full-time faculty positions at North American universities or professional institutes at the time award begins. Applicants must also be members of the American Gastroenterological Association at the time of application.

**Amount:** $75,000  
**LOI:** N/R  
**Deadline:** January 29, 2010

To learn more: [http://www.fdhn.org/wmspage.cfm?parm1=103](http://www.fdhn.org/wmspage.cfm?parm1=103)

**Key Words:** Gastroenterology, Hepatology

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**Oral Cavity/Dentistry**

**Clinical Studies of Bisphosphonate Therapy and Osteonecrosis of the Jaws (R01)**

PA-07-185  
NIH

This funding opportunity announcement (FOA) issued by the National Institute of Dental and Craniofacial Research, National Institutes of Health, solicits Research project Grant (R01) applications that propose to explore the association between osteonecrosis of the jaws (ONJ) and bisphosphonate therapy.

**Amount:** unspecified  
**LOI:** N/R  
**Deadline:** multiple, see listing


**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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**Exploratory/Developmental Bioengineering Research Grants(EBRG) [R21]**

PA-06-418  
National Institutes of Health (NIH), multiple institutes
This Funding Opportunity Announcement (FOA) is intended to encourage innovation and high impact research. While minimal or no preliminary data are expected to be described in the application, applications should clearly indicate the significance of the proposed work and that the proposed research and/or development is scientifically sound, that the qualifications of the investigators are appropriate, and that resources available to the investigators are adequate.

Participating Institutes and Centers of the NIH invite applications for Exploratory/Developmental Bioengineering Research Grants (EBRG) to support innovative, high risk/high impact bioengineering research in new areas that may have minimal or lack preliminary testing or development.

An EBRG application may propose hypothesis-driven, discovery-driven, developmental, or design-directed research. The research proposed under this program can explore approaches and concepts new to a particular substantive area; research and development of new technologies, techniques or methods; or initial research and development of data upon which significant future research may be built.

**Amount:** $275,000  
**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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**Exceptional, Unconventional Research Enabling Knowledge Acceleration (EUREKA) (R01)**  
RFA-GM-10-009  
National Institute of General Medical Sciences (NIGMS)  
National Cancer Institute (NCI)  
National Institute on Aging (NIA)  
National Institute on Alcohol Abuse and Alcoholism (NIAAA)  
National Institute of Dental and Craniofacial Research (NIDCR)  
National Institute on Aging (NIA)

This FOA solicits Research Project Grant (R01) applications from institutions/organizations proposing exceptionally innovative research on novel hypotheses or difficult problems, solutions to which would have an extremely high impact on biomedical or biobehavioral research that is germane to the mission of one or more of the participating NIH Institutes. This FOA is for support of new projects, not continuation of projects that have already been initiated. It does not support pilot projects, i.e., projects of limited scope that are designed primarily to generate data that will enable the PI to seek other funding.

**Amount:** $800,000  
**LOI:** N/R  
**Deadline:** November 24, 2009  
**Key Words:** Novel, High Impact

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

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**Increasing the Service Life of Dental Resin Composites (R01) and (R21)**  
RFA-DE-10-004 and RFA-DE-10-005  
National Institute of Dental and Craniofacial Research (NIDCR)

The long term goal of this initiative is to increase the service life of dental resin composite restorations. The objective of this initiative is to better understand how degradation due to either physical and environmental factors and/or the composition of dental resin composites interacting with the biofilm in the oral cavity facilitates the development of secondary decay. This initiative will stimulate multidisciplinary research to develop methods to assess the clinical success of dental resin composite materials as a restorative material, and encourage research for improving this material and/or for the development of new restorative materials.

**Amount:** $1,000,000  
**LOI:** December 4, 2009  
**Deadline:** January 4, 2010
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: Dental Resin, Composites, Biofilm Interactions

NIDCR Clinical Trial Implementation Cooperative Agreement (U01)
PAR-08-196
National Institute of Dental and Craniofacial Research (NIDCR)
This FOA issued by the National Institute of Dental and Craniofacial Research (NIDCR), National Institutes of Health, will support investigator-initiated Phase I, II, III, or IV clinical trial cooperative agreement applications only from NIDCR Clinical Trial Planning (R34) grant awardees (see PAR-08-195 for information about NIDCR Clinical Trial Planning Grants) unless an exception is granted. Each clinical trial implementation application will use the PHS 398 grant application with special instructions and will include a final draft of the clinical trial protocol, the Clinical Investigators Brochure or equivalent, and a Manual of Procedures resulting from the R34 grant. These documents must meet all National Institutes of Health (NIH), Food and Drug Administration (FDA), and Office of Human Research Protections (OHRP) requirements. All awards will be made as cooperative agreements.
Amount: varies
LOI: Six weeks before submission
Deadline: standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-196.html
Key Words: Clinical Trials

NIDCR Clinical Trial Planning Grant (R34)
PAR-08-195
National Institute of Dental and Craniofacial Research (NIDCR)
This FOA, issued by the National Institute of Dental and Craniofacial Research (NIDCR), National Institutes of Health, will support clinical trial planning (R34) grants for the comprehensive planning, design and documentation of investigator-initiated Phase I, II, III, or IV interventional clinical trials. Interventional behavioral studies, sometimes referred to as Stage I, II, III or IV studies, are included. The R34 planning grant is designed to: (1) permit early peer review of the rationale for the proposed clinical trial; (2) permit early assessment of the design and implementation plans of the proposed trial; and (3) provide support for the development of a comprehensive clinical trial protocol and associated documents including a Manual of Procedures. The complete protocol and associated documents are required components of any subsequent clinical trial implementation (U01) application. The product of the R34 will be either an application for a clinical trial implementation cooperative agreement (U01) or a report summarizing the work completed and the reasons for not proceeding to a clinical trial implementation application. Pre-approval from the NIDCR is required for the submission of the R34 application.
Amount: varies
LOI: N/R
Deadline: standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-195.html
Key Words: Clinical Trials

NIDCR Individual NRSA Predoctoral Dental Scientist Fellowship (F30)
PAR-08-119
National Institute of Dental and Craniofacial Research (NIDCR)
The National Institute of Dental and Craniofacial Research (NIDCR) seeks new Ruth L. Kirschstein National Research Service Award (NRSA) applications for an Individual Predoctoral Dental Scientist Fellowship (PDSF). The purpose of the PDSF is to offer an integrated dental and graduate research training program that leads to attainment of both the DDS/DMD and PhD (or equivalent) degrees.
Dental School Joint DDS or DMD/Master's Degree NRSA Research Training Program (T32)
PAR-07-332
Department of Health and Human Services (HHS)
National Institutes of Health (NIH)
National Institute of Dental and Craniofacial Research (NIDCR)
The purpose of this FOA is to solicit grant applications from dental schools that propose to develop a joint DDS or DMD/Master's degree training program. The Master's degree must be in clinical/behavioral research or in public health (MPH). The goal of this initiative is to make research training an integral component of the dental school environment and encourage more dental students to pursue academic research careers by providing an opportunity to gain research experience.
Amount: $125,000
LOI: N/R
Deadline: Sep 25, 2009
Key Words: Dental Health, Dental Hygiene, Dentistry, Public Health

Patient Oriented Research

NIH Blueprint for Neuroscience Research Competitive Revisions for Studies Focused on Neuropathic Pain or Neural Plasticity to Promote Collaborative Pain Research (R01)
New
PAR-09-264
National Institutes of Health (NIH)
multiple institutes
The goal of this FOA is to facilitate the partnering of pain scientists and non-pain neuroscientists from the field of neural plasticity to capture insights and expertise from disciplines where transitions from health to disease have been extensively examined. An expected outcome of this FOA will be the formation of partnerships between pain researchers and non-pain neuroscientists to develop new collaborations focused on understanding the maladaptive neuroplastic changes that occur during the transition from acute to chronic pain. It is anticipated that these initial collaborations will lead to new applications for highly innovative projects centered on similar studies of the transition from acute to chronic pain. The purpose of this FOA is to encourage the submission of competitive revision applications that propose a collaborative, one year pilot study or a new specific aim associated with an active NIH grant. The parent grant may be focused on pain or on neural plasticity outside the area of pain.
Amount: $75,000
LOI: N/R
Deadline: November 23, 2009
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-264.html
Key Words: Pain Management, Neural Plasticity

Medications Development for Cannabis-Related Disorders (R01)
New
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, 2009
Key Words: Marijuana Abuse, Clinical Trials,
Functional Modeling of Pediatric Upper Airway Disorders (R01)

New
RFA-HL-10-017
National Heart, Lung, and Blood Institute (NHLBI)
The National Heart, Lung, and Blood Institute (NHLBI) solicits grant applications from institutions/organizations to participate in a new NHLBI program on Functional Modeling of Pediatric Upper Airway Disorders. The objective is to identify the biological and structural components limiting airflow in congenital or acquired disorders of the pediatric upper airway (infant to adolescent). The ultimate goal is to develop novel approaches that will identify targets for intervention to correct obstruction of airflow through the upper airway. This program will require collaborations among experts in computational modeling (mathematicians/bioengineers) with clinician scientists (e.g. pulmonologists, otolaryngologists, craniofacial surgeons, and/or radiologists). Use of the multiple PI mechanism is encouraged. Only human studies will be supported.

Amount: $2,600,000
LOI: December 14, 2009
Deadline: January 12, 2010
To learn more: [link]
Key Words: Pediatric, Airway Management, Computational Modeling, bioengineering

Lung Transplantation: Planning Grants for Clinical Trials of Novel Therapies (R34)

New
RFA-HL-10-016
National Heart, Lung, and Blood Institute (NHLBI)
The National Heart, Lung, and Blood Institute (NHLBI) invites applications to support the initial organization, protocol development, and necessary preliminary studies critical for the design of robust clinical trials in lung transplantation. This Funding Opportunity Announcement (FOA) should be used to position investigators or groups of investigators to develop competitive clinical trials to test important new strategies to enhance the quality of lungs available for transplant and improve management and long term outcomes of lung transplant recipients. This may include assembling a research team, consisting of a principal clinical site and having several collaborating ancillary sites, defining and prioritizing research questions, collecting information on the feasibility of the therapy and patient availability, and developing protocol(s). Applications must demonstrate that the proposed work is both necessary and sufficient to permit proceeding to the design of important clinical trial(s). During the evaluation of applications in response to this FOA, the review group will also consider the significance and potential impact of the full-scale clinical trial(s) that would be proposed following the R34 award period. Of most importance, the NHLBI anticipates that the R34 award period will yield competitive investigator-initiated clinical trial grant applications that evaluate interventions for the treatment of complications during and after lung transplantation.

Amount: $900,000
LOI: January 4, 2010
Deadline: February 3, 2010
To learn more: [link]
Key Words: Lung Transplant, Clinical Trials

Pilot And Exploratory Projects In Palliative Care Of Cancer Patients And Their Families

New
American Cancer Society (ACS)
This RFA provides funding for investigators performing pilot and exploratory research studies whose purpose is to test interventions, develop research methodologies, and explore novel areas of research in palliative care of cancer patients and their families. A condition of funding is a clearly defined plan as to how the investigator will use the results of the project to develop larger, extramurally funded research projects.
This RFA is limited to applications that focus on palliative care research projects for seriously ill cancer patients and their families in three (3) specific areas:
1. Exploring the relationship of pain and other distressing symptoms on quality and quantity of life, independence, function, and disability and developing interventions directed at their treatment in patients with advanced and chronic illnesses;
2. Studying methods of improving communication between adults living with serious illness, their families and their health care providers;
3. Evaluating models and systems of care for patients living with advanced illness and their families.

Amount: $120,000
LOI: N/R
Deadline: October 15, 2010
To learn more: [link]
Key Words: Palliative Care, Pain and Symptom Management, Communication Skills, Care Coordination
Recovery Act 2009 Limited Competition: AHRQ Clinical and Health Outcomes Initiative in Comparative Effectiveness (CHOICE) Grants (R01)

New

RFA-HS-10-003
Agency for Healthcare Research and Quality (AHRQ)
The FOA invites grant applications for new comparative effectiveness research projects aimed at generating new knowledge to help inform decision making in priority areas of clinical care. Projects should be focused on developing new scientific evidence that will fill important knowledge gaps and on generating critical insights into the comparative clinical effectiveness of health care interventions. Applications should address the outcomes and effectiveness of assessments across population groups that are often underrepresented in medical research. The impact of these studies should have a high likelihood of creating major advancements in clinical care. The initiative will emphasize projects that define research gaps and studies that are designed to produce actionable results.

Amount: $10,000,000
LOI: November 18, 2009
Deadline: December 16, 2009
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-HS-10-003.html
Key Words: Clinical Care

Career Development Award

Society for Surgery of the Alimentary Tract (SSAT)
This award for young faculty members is to assist in the establishment of investigators, basic or clinical, in digestive diseases. The supported research program can be focused on basic laboratory or rigorous clinical investigation.

Amount: $100,000
LOI: N/R
Deadline: January 8, annually
To learn more: http://www.ssat.com/cgi-bin/awards_Career_Development.cgi
Key Words: Gastroenterology, Surgery

Research on Chronic Insomnia Disorder (R01)

PA-07-047
NIH
Insomnia Disorder affects approximately 10% of adults in the U.S. and results in decreased work and academic performance, increased risk of accidents, increased health care costs, and increased risk of depression and other mental disorders. Given the public health significance of this problem, the NIH State-of-the-Science Conference on Manifestations and Management of Chronic Insomnia in Adults was held in June, 2005. The resulting conference statement outlined what is currently known and identified important future directions for insomnia-related research. The purpose of this funding opportunity announcement (FOA) is to encourage research that addresses the research needs outlined in this conference statement. Recommended areas for future research include genetic and neurobiologic mechanisms of insomnia, longitudinal studies of incidence and course of insomnia, improved measures of daytime functioning and quality of life resulting from insomnia, studies of insomnia in special populations, the impact of insomnia on the development of other disorders including depression, drug abuse, and chronic diseases, and the development and evaluation of treatment approaches and their dissemination. Research that translates basic science findings into novel clinical approaches is particularly encouraged.

Amount: varies
LOI: N/R
Deadline: Multiple, see link.
To learn more: http://grants1.nih.gov/grants/guide/pa-files/PA-07-047.html
Key Words:

Reducing Mental Illness Stigma and Discrimination (Collaborative R01)

PAR-08-040
NIH
This Funding Opportunity Announcement (FOA), issued by the National Institute of Mental Health (NIMH), National Institutes of Health (NIH), and conceived in collaboration with the Center for Mental Health Services (CMHS), Substance Abuse and Mental Health Services Administration (SAMHSA), will provide funding for partnerships to assess the effectiveness of existing stigma and discrimination reduction programs and approaches, including media-oriented approaches such as public service announcements; develop innovative new programs and approaches; and examine the role of media in perpetuating and changing mental illness stigma and discrimination. These partnerships must include (1) consumer and/or advocate organizations, communities, or state and local agencies with hands-on expertise in developing and implementing stigma reduction programs and strategies, and (2) social, behavioral, and/or communication scientists with expertise in stigma research design and methodology. Partnerships to further information exchange with public stakeholders and organizations to improve the accuracy of public awareness about effective treatments for mental
disorders; and to examine how service delivery organization and mental illness treatment financing (e.g., non-mental health parity, separate behavioral health insurers) impact mental illness stigma and discrimination are also appropriate.

Amount: $250,000  
LOI: N/R  
Deadline: multiple  
Key Words:

**Long Acting, Sustainable Therapies of Opiate Addiction (R01)**  
PAS-08-061  
NIDA  
This Funding Opportunity Announcement (FOA) issued by the National Institute on Drug Abuse, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose the development of sustained pharmacotherapies and behavioral treatments to reduce the risk of contraction and transmission of HIV. Specifically, this FOA supports applications directed at the development of (1) heroin/morphine-protein conjugates (heretofore referred to as heroin/morphine conjugate vaccines or HCVs) for the treatment of opiate addiction, (2) clinical systems for the application of currently available long-acting (30-day or longer sustained-release) dosage forms for opiate pharmacotherapies to optimize these sustained pharmacotherapies to effect the reduction of the risk for acquisition and transmission of HIV, and (3) effective clinical treatment modalities, including behavioral treatment in conjunction with pharmacotherapies, to improve the effectiveness of opiate treatment and reduce the risk behaviors associated with transmission of HIV. Clinical studies should include the assessment of HIV risk behaviors as an outcome measure.

Amount: $400,000  
LOI: N/R  
Deadline: multiple, see link  
Key Words:

**Research On Ethical Issues In Human Subjects Research (R03), (R21), and (R01)**  
PA-06-367 and PA-06-368 and PA-07-277  
National Institutes of Health (NIH), multiple agencies  
The National Institutes of Health (NIH) invites research grant applications to investigate ethical issues in human subjects research.

Amount: varies  
LOI: N/R  
Deadline: Standard dates apply  
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, 2009; and August 25, 2010  
Deadline: September 23, 2009; and September 23, 2010  
Key Words: Mental Health, Neuropsychiatry, Psychiatry
Mechanisms, Models, Measurement, & Management in Pain Research (R01) and (R03) and (R21)
PA-07-282 and PA-06-543 and PA-06-542
National Institutes of Health (NIH)
multiple institutes
The purpose of this Funding Opportunity Announcement (FOA), “Mechanisms, Models, Measurement, & Management in Pain Research,” issued by the National Institute of Nursing Research (NINR) 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. 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: Pain Management

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: September 7, 2009
Key Words: AIDS, Cancer Biology, Cancer or Carcinogenesis, Molecular Epidemiology

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: http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-09-019.html
Key Words: CTSA, Clinical and Translational

The National Drug Abuse Treatment Clinical Trials Network (U10)
RFA-DA-10-009
National Institute on Drug Abuse (NIDA)
This Funding Opportunity Announcement (FOA) from the National Institute on Drug Abuse (NIDA) announces a competition for new cooperative agreement applications and cooperative agreement renewal applications from established clinical investigators to participate in the National Drug Abuse Treatment Clinical Trials Network (CTN). As a nation-wide partnership for translational research among addiction treatment providers, researchers, and NIDA staff, the CTNs mission is to test and validate effective and efficient treatments that can be adopted by addiction treatment providers throughout the Nation, using science as the vehicle. The CTN provides an enterprise in which community-based addiction service providers, other health practitioners working with patients that have addiction problems, addiction treatment researchers, and NIDA cooperatively develop, validate, refine, and deliver new treatment options for patients in community-level clinical practice.

Amount:  $3,750,000
LOI:  October 2, 2009
Deadline:  November 2, 2009
To learn more:  http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-009.html

Key Words:  

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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

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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

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

PA-08-006
National Institute on Alcohol Abuse and Alcoholism

This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose to integrate basic behavioral research and intervention research for the prevention of alcohol-related HIV/AIDS risk.

Amount:  varies
LOI:  N/R
Deadline:  multiple dates, see announcement
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PA-08-006.html

Key Words:  

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

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, expires January 2011
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-008.html
Key Words:

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
NINDS Cooperative Program in Translational Research – Single-Component Research Projects (U01)  
PAR-08-233
National Institute of Neurological Disorders and Stroke (NINDS)
The goal of this funding opportunity announcement (FOA) is to support pre-clinical development and testing of new therapies for neurological disorders. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program supports pre-clinical optimization and testing of these leads and projects must be sufficiently advanced that an IND or IDE application to the FDA can be submitted by the end of the project period. The program does not support early-stage therapeutic discovery activities such as high throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NINDS staff in the development of the project plan and monitoring of research progress.
Amount: varies
LOI: N/R
Deadline: standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-233.html
Key Words: Clinical translational, neurology, neurological disorders

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

Neurodevelopment and Neuroendocrine Signaling in Adolescence: Relevance to Mental Health  
[(R01) PA-09-008] and [(R21) PA-09-009]
PA-09-008 and PA-09-009
National Institute of Mental Health (NIMH)
This funding opportunity announcement (FOA) solicits research grant applications that propose to identify neurodevelopmental and neuroendocrine mechanisms that impact emotional and cognitive development and emerging psychopathology during adolescence, utilizing animal models and human studies.
Amount: varies
LOI: N/R
Deadline: standard dates apply
Key Words: Neurodevelopment, Cognitive Development, Adolescent

Pilot Intervention and Services Research Grants (R34)  
PAR-09-173
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


Key Words: Health Risk Behavior, Mental Health Treatment

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**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


Key Words: Diabetes, Cystic Fibrosis, Metabolic Disease

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**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

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**Silvio O. Conte Digestive Diseases Research Core Centers (P30)**

RFA-DK-09-005

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 applications for Silvio O. Conte Digestive Diseases Research Core Centers (DDRCCs). The DDRCCs are part of an integrated program of digestive and liver
diseases research support provided by the NIDDK. 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 digestive and/or liver diseases and their complications.

Amount: $3,750,000
LOI: October 12, 2009
Deadline: November 9, 2009
Key Words: Liver Disease, Digestive Disease

**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

**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
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. Interventionsal behavioral studies, sometimes referred to as Stage I, II, III or IV studies, are included. The R34 planning grant is designed to: (1) permit early peer review of the rationale for the proposed clinical trial; (2) permit early assessment of the design and implementation plans of the proposed trial; and (3) provide support for the development of a comprehensive clinical trial protocol and associated documents including a Manual of Procedures. The complete protocol and associated documents are required components of any subsequent clinical trial implementation (U01) application. The product of the R34 will be either an application for a clinical trial implementation cooperative agreement (U01) or a report summarizing the work completed and the reasons for not proceeding to a clinical trial implementation application. Pre-approval from the NIDCR is required for the submission of the R34 application.

Amount: varies
LOI: N/R
Deadline: standard dates apply
Key Words: Clinical Trials
Innovation in Molecular Imaging Probes (R01)
PAR-09-016
National Institute of Biomedical Imaging and Engineering
National Institute on Aging
National Institute of Arthritis and Musculoskeletal and Skin Diseases
Eunice Kennedy Shriver National Institute of Child Health and Human Development
National Institute 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; December 21, 2011; April 20, 2011; August 21, 2011
Deadline: January 21, 2010; 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

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: November 3, 2009; March 1, 2010
Deadline: December 3, 2009; April 1, 2010
Key Words: Tissue Banks, Disease Registry

Enterics Research Investigational Network Cooperative Research Centers (U19)
RFA-AI-09-023
National Institute of Allergy and Infectious Diseases (NIAID)
The National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health, invites applications from single institutions and consortia of institutions to participate in the Funding Opportunity Announcement (FOA) “Enterics Research Investigational Network (ERIN) Cooperative Research Centers (CRCs)." The purpose of this FOA is to establish the ERIN CRCs, a coordinated enterics research program designed to bridge the gaps between basic, translational, and clinical research on enteric disease agents, including toxins. The Network is designed to be a multi-center effort with collaborative relationships between ERIN CRC investigators and NIAID Program staff.
Amount: $5,000,000
LOI: October 17, 2009
Deadline: November 17, 2009
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-023.html
Key Words: Enteric Pathogens, Gastroenteritis, Malnutrition, Malabsorption

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
Deadline: May 25, 2010; September 25, 2010; May 25, 2011; September 25, 2011; May 26, 2012; September 25, 2012
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-185.html
Key Words: Sleep Disorders, Lung Diseases

NIH Clinical Trial Planning Grant Program (R34)
PA-09-186
National Eye Institute (NEI)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)
National Institute of Child Health and Human 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 III clinical trial. This includes the establishment of the research team, the development of tools for data management and oversight of the research, the definition of recruitment strategies, and the finalization of the protocol and other essential elements of the study included in a manual of operations/procedures. The Clinical Trial Planning Grant is not designed for the collection of preliminary data or the conduct of pilot studies to support the rationale for a clinical trial.
Amount: $100,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-186.html
Key Words: Clinical Trials

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: December 21, 2009; 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

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
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: December 28, 2009; April 28, 2010; August 28, 2010; December 28, 2010; April 30, 2011; August 28, 2011
Deadline: January 28, 2010; May 28, 2010; September 28, 2010; January 28, 2011; May 27, 2011; September 28, 2011
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-025.html
Key Words: Cancer, Cancer Biology, Clinical Translational Research

Translational Research in Pediatric and Obstetric Pharmacology (R01) and (R03) and (R21)
PAR-09-154 and PAR-09-155 and PAR-09-156
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
This funding opportunity announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development encourages research grant applications to conduct studies to improve existing drug safety and efficacy, and to develop new drugs for pediatric and obstetric populations. The overall goals of this FOA are to support: (1) pharmacological studies addressing the special differences of drug actions and responses among children at various developmental stages, between children and adults, and between pregnant and non-pregnant women; (2) development of new drug targeting children and pregnant women; (3) multidisciplinary collaborations between basic and physician scientists to improve the use of therapeutics in obstetrics and pediatrics.
Amount: varies
LOI: Thirty days prior to application receipt date
Key Words: Pediatric Pharmacology, Obstetric Pharmacology

Paul D. Wellstone Muscular Dystrophy Cooperative Research Centers (U54)
RFA-HD-09-027
Eunice Kennedy Shriver National Institute of Child Health and Human Development
National Heart, Lung, and Blood Institute
National Institute of Arthritis and Musculoskeletal and Skin Diseases
National Institute of Neurological Disorders and Stroke
This funding opportunity announcement (FOA) solicits new (type 1) and competitive renewal (type 2) applications for the support of Paul D. Wellstone Muscular Dystrophy Cooperative Research Centers (MDCRCs). Successful applicants will join a network of existing Centers to foster the translation of new scientific findings and technological developments into novel treatments for the muscular dystrophies. Each Center may contain a mixture of basic, translational, or clinical research, as long as efforts are directed toward the steps required for therapeutic development, including therapeutic target identification, characterization, and validation, development of diagnostics and biomarkers to characterize or stratify patient populations, in vitro assay development, animal model development and characterization, candidate therapeutic efficacy screening, preclinical therapeutic optimization and FDA-required activities leading to an investigational new drug (IND) application, clinical infrastructure and studies in support of a clinical trial, patient-oriented natural history studies, and early stage clinical trials for one or more types of muscular dystrophy. Applicants should propose multi-disciplinary and collaborative studies that address one or more gaps in the therapeutic development pipeline for muscular dystrophy. Research problems should require substantial collaborative efforts to solve, and thus are best carried out in a center setting.
Amount: $5,000,000
LOI: October 13, 2009
Deadline: November 10, 2009
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-09-027.html
Key Words: Muscular Dystrophy

USA Medical Research and Materiel Command Broad Agency Announcement
W81XWH-BAA08-1
The U.S. Army Medical Research and Materiel Command's (USAMRMC) Broad Agency Announcement (BAA) 08-1 is available. The USAMRMC's mission is to provide solutions to medical problems of importance to the American warfighter at home and abroad. The scope of this effort and the priorities attached to specific projects are influenced by changes in military and civilian medical science and technology, operational requirements, military threat assessments, and national defense strategies.

**RESEARCH AREAS OF INTEREST**
A. Military Infectious Diseases Research Program
B. Combat Casualty Care Research Program
C. Military Operational Medicine Research Program
D. Medical Biological Defense Research Program
E. Medical Chemical Defense Research Program
F. Telemedicine and Advanced Technology Program
G. Special Programs

**Amount:** $1,000,000  
**LOI:** N/R  
**Deadline:** continuous

To learn more: [http://www.grants.gov/search/downloadAtt.do;jsessionid=LrNhrrG83Tv0yG86V3pJbC85vsVNLWytZBTJlhP6WLFPSqHXqCDm159861336?flag2006=false&amp;attId=29434](http://www.grants.gov/search/downloadAtt.do;jsessionid=LrNhrrG83Tv0yG86V3pJbC85vsVNLWytZBTJlhP6WLFPSqHXqCDm159861336?flag2006=false&amp;attId=29434)

Key Words: Vaccines, Antiparasitic Drugs, Deployable field clinical diagnostics, and Vector Control Methods; Materials to improve basic and advanced life support; Multistressor interactions involving human tolerances, metabolic physiology, and brain functioning; Vir

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

Key Words: Cystic Fibrosis

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**Medication Optimization Diffusion Grants Program**
Center for Technology and Aging
Medication optimization refers to a wide variety of technologies designed to help manage medication information, dispensing, adherence, and tracking. Programs eligible for grants must use technologies that are ready to be used more broadly. Grantees will be expected to have prior experience with medication optimization technologies and will need to demonstrate a positive and measurable impact in the near term, including reducing the likelihood that older adults will be moved to more intensive, high-cost care settings. Most important, programs receiving grants will need to propose a strategy for successfully integrating their technology into the fabric of state and national healthcare delivery and reimbursement systems.

Amount:  $100,000  
LOI:  October 2, 2009  
Deadline:  November 9, 2009  
To learn more:  [http://www.techandaging.org/grants_home.html](http://www.techandaging.org/grants_home.html)  
Key Words:  Health Care Delivery, Health Care Costs, Medication Optimization  

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**Pediatrics**

**Functional Modeling of Pediatric Upper Airway Disorders (R01)**

*New*

RFA-HL-10-017

National Heart, Lung, and Blood Institute (NHLBI)

The National Heart, Lung, and Blood Institute (NHLBI) solicits grant applications from institutions/organizations to participate in a new NHLBI program on Functional Modeling of Pediatric Upper Airway Disorders. The objective is to identify the biological and structural components limiting airflow in congenital or acquired disorders of the pediatric upper airway (infant to adolescent). The ultimate goal is to develop novel approaches that will identify targets for intervention to correct obstruction of airflow through the upper airway. This program will require collaborations among experts in computational modeling (mathematicians/bioengineers) with clinician scientists (e.g. pulmonologists, otolaryngologists, craniofacial surgeons, and/or radiologists). Use of the multiple PI mechanism is encouraged. Only human studies will be supported.

Amount:  $2,600,000  
LOI:  December 14, 2009  
Deadline:  January 12, 2009  
Key Words:  Pediatric, Airway Management, Computational Modeling, bioengineering  

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**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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**Division of Behavioral and Cognitive Sciences Developmental and Learning Sciences (DLS)**

PD 08-1698

NSF

DLS supports fundamental research that increases our understanding of cognitive, linguistic, social, cultural, and biological processes related to children's and adolescents' development and learning. Research supported by this program will add to our basic knowledge of how people learn and the underlying developmental processes that support learning, with the objective of leading to better educated children and adolescents who grow up to take productive roles as workers and as citizens.

Among the many research topics supported by DLS are: developmental cognitive neuroscience; development of higher-order cognitive processes; transfer of knowledge from one domain or situation to another; use of molecular genetics to study continuities and
discontinuities in development; development of peer relations and family interactions; multiple influences on development, including the impact of family, school, community, social institutions, and the media; adolescents' preparation for entry into the workforce; cross-cultural research on development and learning; and the role of cultural influences and demographic characteristics on development. Additional priorities include research that: incorporates multidisciplinary, multi-method, microgenetic, and longitudinal approaches; develops new methods, models, and theories for studying learning and development; and integrates different processes (e.g., learning, memory, emotion), levels of analysis (e.g., behavioral, social, neural), and time scales (e.g. infancy, middle childhood, adolescence).

Amount: unspecified
LOI: N/R
Deadline: January 15, Annually
Key Words: Child Development, Learning, Attention, Adolescents

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Research on Mild and/or Unilateral Hearing Loss

[R21] [PA-07-037] and [(R01) [PA-07-038]

PA-07-037 and PA-07-038
NIDCD
This Funding Opportunity Announcement (FOA) solicits R01 applications to further our understanding of mild and unilateral hearing loss in infants and young children. This includes research on prevention, better diagnostic methods, and treatments for these forms of hearing loss that are often overlooked or minimized. Children with milder forms of hearing loss (e.g., < 40 dB HL) in one or both ears or any degree of hearing loss in one ear can experience difficulties in the areas of speech, language, behavior, academic, and other aspects of development.

Amount: $275,000 over a two-year period.
LOI: N/R
Deadline: Continuous, see link
Key Words: Genetic Susceptibility and Variability of Human Structural Birth Defects (R01)

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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
Key Words:

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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
NICHHD
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
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  

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  

Mayday Fund of New York  
Mayday Fund of New York  
The Mayday Fund is dedicated to alleviating the incidence, degree, and consequence of human physical pain.  
Amount: $2,000-$500,000  
LOI: N/R  
Deadline: Continuous  
To learn more: http://www.maydayfund.org/  
Key Words: Pain, Pain Alleviation  

Community-Based Partnerships for Childhood Obesity Prevention and Control: Research to Inform Policy (R03) and (R21)  
PA-09-140 and PA-09-141
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

The Role of Human-Animal Interaction in Child Health and Development (R01) and (R03)
RFA-HD-09-031 and RFA-HD-09-030
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) and the National Institute of Nursing Research (NINR) solicits Research Project Grant (R01) applications from institutions/organizations that propose to study the impact of human-animal interaction (HAI) on children's health and development and to test the efficacy of therapeutic uses of HAI with children. In 2008 NICHD and The WALTHAM® Centre for Pet Nutrition, a division of Mars, Incorporated, entered into a public-private partnership to explore the interaction between humans and animals. The partnership encourages research on Human-Animal Interaction (HAI), especially as it relates to child development, health and the therapeutic use of animals with children and adolescents. This shared interest resulted in The WALTHAM® Centre donating funds to NICHD to enhance NICHD's ability to support research in this field. The purpose of this FOA is to build an empirical research base on how children perceive, relate to and think about animals; how pets in the home impact children's social and emotional development and health (e.g. allergies, the immune system, asthma, mitigation of obesity); and whether and under what conditions therapeutic uses of animals is safe and effective.

Amount: $2,000,000
LOI: October 19, 2009
Deadline: November 19, 2009

Key Words: Pets, Children, Obesity, Asthma, Child Development

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:** December 21, 2009; April 23, 2010

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


**Key Words:** Drug Response, Pediatric Drug Responses, Children, Adverse Drug Reactions

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**Paul D. Wellstone Muscular Dystrophy Cooperative Research Centers (U54)**

**RFA-HD-09-027**

Eunice Kennedy Shriver National Institute of Child Health and Human Development
National Heart, Lung, and Blood Institute
National Institute of Arthritis and Musculoskeletal and Skin Diseases
National Institute of Neurological Disorders and Stroke

This funding opportunity announcement (FOA) solicits new (type 1) and competitive renewal (type 2) applications for the support of Paul D. Wellstone Muscular Dystrophy Cooperative Research Centers (MDCRCs). Successful applicants will join a network of existing Centers to foster the translation of new scientific findings and technological developments into novel treatments for the muscular dystrophies. Each Center may contain a mixture of basic, translational, or clinical research, as long as efforts are directed toward the steps required for therapeutic development, including therapeutic target identification, characterization, and validation, development of diagnostics and biomarkers to characterize or stratify patient populations, in vitro assay development, animal model development and characterization, candidate therapeutic efficacy screening, preclinical therapeutic optimization and FDA-required activities leading to an investigational new drug (IND) application, clinical infrastructure and studies in support of a clinical trial, patient-oriented natural history studies, and early stage clinical trials for one or more types of muscular dystrophy. Applicants should propose multi-disciplinary and collaborative studies that address one or more gaps in the therapeutic development pipeline for muscular dystrophy. Research problems should require substantial collaborative efforts to solve, and thus are best carried out in a center setting.

**Amount:** $5,000,000

**LOI:** October 13, 2009

**Deadline:** November 10, 2009


**Key Words:** Muscular Dystrophy

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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

**Deadline:** September 15, 2010


**Key Words:** Emergency Medical Services for Children

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**Pharmacy and Pharmacology Research**

**Clinical Studies of Safety and Effectiveness of Orphan Products; Research Project Grant (R01)**

**RFA-FD-09-001**

Office of Orphan Products Development (OPD)
The goal of FDA's OPD grant program is to support the clinical development of products for use in rare diseases or conditions where no current therapy exists or where the product being developed will be superior to the existing therapy. FDA provides grants for clinical studies on safety and/or effectiveness that will either result in, or substantially contribute to, market approval of these products. Applicants must include in the application's "Background and Significance" section documentation to support the estimated prevalence of the orphan disease or condition and an explanation of how the proposed study will either help gain product approval or provide essential data needed for product development.

Clinical studies on safety and/or effectiveness that will either result in, or substantially contribute to, market approval of these products. Applicants must include in the application's "Background and Significance" section documentation to support the estimated prevalence of the orphan disease or condition and an explanation of how the proposed study will either help gain product approval or provide essential data needed for product development.

**Amount:** $1,600,000  
**LOI:** N/R  
**Deadline:** February 3, 2010  
**Key Words:** Orphan Disease, Rare Diseases

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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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**Mechanisms, Models, Measurement, & Management in Pain Research (R01) and (R03) and (R21)**

PA-07-282 and PA-06-543 and PA-06-542

National Institutes of Health (NIH)  
multiple institutes

The purpose of this Funding Opportunity Announcement (FOA), "Mechanisms, Models, Measurement, & Management in Pain Research," issued by the National Institute of Nursing Research (NINR) 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. Research to address these issues conducted by interdisciplin ary 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:** Pain Management

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**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.


**Key Words:** Fellowship, Pre-Doctoral, Thesis, PharmD/PhD

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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 December 21, 2009; and April 23, 2010

**Deadline:** January 21 and May 21, 2010


**Key Words:** Pharmacology

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**Targeted Library Synthesis and Screening at Novel Targets for Potential Drug Addiction Treatments and Research Tools (R21/R33)**

**RFA-DA-10-005**

National Institute on Drug Abuse (NIDA)

This Funding Opportunity Announcement (FOA) issued by the National Institute on Drug Abuse (NIDA), National Institutes of Health, solicits research applications from institutions/organizations that propose to promote the discovery of novel medications through the use of targeted library synthesis and screening for drug addiction treatment, as well as the discovery of CNS-active research tools for medication target validation in animal models of drug addiction.

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

**LOI:** November 4, 2009

**Deadline:** December 4, 2009


**Key Words:** Drug Addiction, Treatment, Novel Medications

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**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


**Key Words:** Fetal Maternal Health, Substance Abuse

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**Medications Development for Polydrug Addiction Treatment**

[(R01) PAS-08-186] and [(R21) PAS-08-187]
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

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**Alzheimer's Disease Drug Development Program (U01)**

PAR-08-266

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/grantsguide/pa-files/PAR-08-266.html](http://grants.nih.gov/grantsguide/pa-files/PAR-08-266.html)

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

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**Optimization of Small Molecule Probes for the Nervous System (STTR [R41]) and (SBIR [R43])**

PAR-09-259 and PAR-09-260

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

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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**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:** Neuropharmacology, Neuropsychopharmacology, Pathophysiology

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**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


**Key Words:** Neuropharmacology, Neuropsychopharmacology, Pathophysiology

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**Enterics Research Investigational Network Cooperative Research Centers (U19)**

RFA-AI-09-023

National Institute of Allergy and Infectious Diseases (NIAID)

The National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health, invites applications from single institutions and consortia of institutions to participate in the Funding Opportunity Announcement (FOA) “Enterics Research Investigational Network (ERIN) Cooperative Research Centers (CRCs). The purpose of this FOA is to establish the ERIN CRCs, a coordinated enterics research program designed to bridge the gaps between basic, translational, and clinical research on enteric disease agents, including toxins. The Network is designed to be a multi-center effort with collaborative relationships between ERIN CRC investigators and NIAID Program staff.

**Amount:** $5,000,000

**LOI:** October 17, 2009

**Deadline:** November 17, 2009


**Key Words:** Enteric Pathogens, Gastroenteritis, Malnutrition, Malabsorption

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**Partnerships for Development of Therapeutics and Diagnostics for Drug-Resistant Bacteria and Eukaryotic Parasites (R01)**
This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH) invites Small Business Innovation Research (SBIR) grant applications from small business concerns (SBCs) that propose to conduct translational research leading to development of therapeutic and diagnostic technologies for drug-resistant bacteria and eukaryotic parasites.

Amount: $1,000,000-$3,000,000

LOI: October 9, 2009

Deadline: November 9, 2009

To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-026.html

Key Words: Drug Resistant Bacteria, Eukaryotic Parasites

NIAID Partnerships with Product Development Public-Private Partnerships (R01)

RFA-AI-09-034

This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), seeks research project grant (R01) applications from established, not-for-profit product development Public-Private Partnerships (PD PPPs) in order to accelerate preclinical research and development of promising preventive, therapeutic, or diagnostic tools, or vector management strategies for neglected infectious diseases. PD PPPs should have a track record of development of interventions for neglected infectious diseases of global importance, and highest prevalence in low income countries for which commercial markets provide insufficient incentives for product development. These diseases include malaria, tuberculosis, Neglected Tropical Diseases (see the following link for a list of NTDs: http://www3.niaid.nih.gov/topics/tropicalDiseases/research/examples.htm), and, where relevant, their vectors. Projects must include milestones and timelines to support projects on various aspects of preclinical development and IND enabling studies (e.g. validation of targets for intervention, process development, formulation, toxicology etc.) as well as a product development plan.

Amount: $750,000

LOI: September 30, 2009

Deadline: October 30, 2009

To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-034.html

Key Words: Infectious Disease, Therapeutics, Malaria, Tuberculosis

FDA Small Scientific Conference Program (R13/U13)

RFA-FD-08-003

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: December 21, 2009; April 23, 2010
Deadline: January 21, 2010; May 20, 2010


Key Words: Drug Response, Pediatric Drug Responses, Children, Adverse Drug Reactions

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USA Medical Research and Materiel Command Broad Agency Announcement

W81XWH-BA08-1

DOD

The U.S. Army Medical Research and Materiel Command's (USAMRMC) Broad Agency Announcement (BAA) 08-1 is available. The USAMRMC's mission is to provide solutions to medical problems of importance to the American warfighter at home and abroad. The scope of this effort and the priorities attached to specific projects are influenced by changes in military and civilian medical science and technology, operational requirements, military threat assessments, and national defense strategies.

RESEARCH AREAS OF INTEREST

A. Military Infectious Diseases Research Program
B. Combat Casualty Care Research Program
C. Military Operational Medicine Research Program
D. Medical Biological Defense Research Program
E. Medical Chemical Defense Research Program
F. Telemedicine and Advanced Technology Program
G. Special Programs

Amount: $1,000,000
LOI: N/R
Deadline: continuous

To learn more: [http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17804](http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17804)

Key Words: Vaccines, Antiparasitic Drugs, Deployable field clinical diagnostics, and Vector Control Methods; Materials to improve basic and advanced life support; Multistressor interactions involving human tolerances, metabolic physiology, and brain functioning; Vir

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HDTRA1-08-10-BRCWMD-BAA

Defense Threat Reduction Agency

This announcement solicits Proposals for long-term challenges in specific fundamental areas of Basic Research that offer a significant contribution to the current body of knowledge or further the understanding of phenomena and observable facts and may have impact on future capabilities that support the DTRA and JSTO-CBD missions.

Determinants of Antimicrobial Resistance and Persistence in Bacterial Strains
Dual Use Basic Science for Bio Defense Drug Design and Delivery of Novel Therapeutics
Interrogation of Biological Response to Acute Ionizing Radiation Exposure
Mechanisms of Molecular Recognition
New Concepts in Nano-scale Chemical and Biological Sensing
New Concepts in Spectroscopic Methods for Molecular Recognition
Signatures of Laboratory-Grown Bio-Agents

Amount: varies
LOI: White Paper Deadlines: November 2, 2009, May 12, 2010
Deadline: Multiple white paper submission deadlines, two remain: November 2, 2009; May 12, 2010.

To learn more: [http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17804](http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=17804)

Key Words: Weapons of Mass Destruction

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Prizes & Awards

The Kavli Prize for Neuroscience and Nanoscience

New

The Norwegian Academy of Science and Letters

The nomination process will be open to all who wish to nominate candidates, with the exception that self-nominations will not be accepted. The prize can be awarded to a single person or shared for closely related fundamental contributions. Deceased persons cannot be nominated. Nominations are confidential and nominees should not know who nominated them.

All information, both written and verbal related to the identification and selection of the prize winners, will be held in the strictest confidence and not made available to the public for 50 years.

Amount: $1,000,000
LOI: N/R
Deadline: December 15, 2009
To learn more: http://www.kavliprize.no/artikkel/vis.html?tid=27137
Key Words: Nanoscience, Neuroscience

SBS Awards

Society for Biomolecular Screening (SBS)

The Society for Biomolecular Sciences supports an award of $5,000 made at least every three years, to recognize outstanding achievements in research, innovation, ground breaking foundation, or seminal contributions that have proven to be broadly applicable to biomolecular screening or pharmaceutical/ agricultural lead discovery. Furthermore, the award seeks to recognize those who have distinguished themselves within the scope of the society’s mission. Independence of thought, originality of approach, clarity of vision, and a consistent record of achievement are important criteria. Quality and depth rather than the number of contributions shall be emphasized.

The Society for Biomolecular Sciences supports annual awards of $1,000 to recognize a member for a significant technical accomplishment, exceeding a benchmark or milestone in screening or the lead discovery process, or an innovative and integrated use of mature technologies. More than one award may be conferred annually.

Amount: $5,000
LOI: N/R
Deadline: Continuous
To learn more: http://www.sbsonline.org/awards/
Key Words: Biomolecules, Proteomics

NCI Transition Career Development Award to Promote Diversity (K22)

PAR-08-047

NCI

This Funding Opportunity Announcement (FOA) represents the continuation of an NCI program to make possible the diversification of the cancer research workforce via facilitation of the transition of investigators from minority groups underrepresented in biomedical research, primarily those with clinical doctoral degrees as well as those with doctoral degrees working in the areas of cancer prevention, control, behavioral, or population science research, from the mentored stage of career development in academic cancer research to the independent stage. This goal is achieved by providing protected time through salary and research support for 3 years to: postdoctoral individuals or junior faculty in mentored positions transitioning into their first independent position; and investigators within the first 2 years of their first independent cancer research position, to initiate and develop their independently-supported cancer research programs.

Amount: 3 years of salary (up to $75,000 per annum plus fringe benefits) and research support up to $50,000 per annum.
LOI: N/R
Deadline: multiple, see listing
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-047.html
Key Words:

Faculty Early Career Development (CAREER) Program

NSF 08-557

National Science Foundation

CAREER: The Faculty Early Career Development (CAREER) Program is a Foundation-wide activity that offers the National Science Foundation’s most prestigious awards in support of junior faculty who exemplify the role of teacher-scholars through outstanding research, excellent education and the integration of education and research within the context of the mission of their organizations. Such activities should build a firm foundation for a lifetime of leadership in integrating education and research. NSF encourages
submission of CAREER proposals from junior faculty members at all CAREER-eligible organizations and especially encourages women, members of underrepresented minority groups, and persons with disabilities to apply.

**Amount:** varies  
**LOI:** N/R  
**Deadline:** July 20, 2010  
**Key Words:**  

**Academic Career Award (K07)**  
PA-08-152  
National Cancer Institute  
National Center for Complementary and Alternative Medicine  
National Institute on Aging  
National Institute on Alcohol Abuse and Alcoholism  
Office of Dietary Supplements  
The purpose of the NIH Academic Career Award is to provide support to increase the pool of individuals with academic and research expertise to become academic researchers and to enhance the educational or research capacity at the grantee sponsoring grantee institution. The Academic Career Award supports Development awards for more junior level candidates and Leadership awards for more senior individuals with acknowledged scientific expertise and leadership skills.  
**Amount:** 3-5 years support  
**LOI:** N/R  
**Deadline:** multiple  
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PA-08-152.html](http://grants.nih.gov/grants/guide/pa-files/PA-08-152.html)  
**Key Words:**  

**the ARC Léopold Griffuel Prize**  
French Association for Cancer Research (ARC)  
An annual Prize entitled "Prix ARC Léopold Griffuel" has been created following the late Mrs. Griffuel's will. The prize is awarded by the Board of Directors of the French Association for Cancer Research (ARC) after evaluation by a scientific committee. This prestigious prize of 100 000 € is awarded to an investigator, a group, whose work has led to a major break through in the field of cancer. The candidates must still be involved in research activity. All applications must be sponsored by at least two internationally-renowned scientists. The letter of application may be presented either directly by the sponsors or by the candidate himself/herself, who must then obtain the letters of recommendation from his/her sponsors. This letter of application must be followed by a completed application file.  
**Amount:** €100,000  
**LOI:** N/R  
**Deadline:** September 28, 2009  
**To learn more:** [http://www.arc.asso.fr/pages_chercheurs/griffuel_ang.htm](http://www.arc.asso.fr/pages_chercheurs/griffuel_ang.htm)  
**Key Words:** Cancer  

**Award for Research in Schizophrenia**  
American Psychiatric Foundation  
The American Psychiatric Foundation, the philanthropic and educational arm of the American Psychiatric Association, is accepting submissions for the Alexander Gralnick, M.D., Award for Research in Schizophrenia. The award acknowledges research achievements in the treatment of schizophrenia, emphasizing early diagnosis and treatment and psychosocial aspects of the disease process. Additional preference will be given to researchers working in a psychiatric facility.  
**Amount:** $4,000  
**LOI:** N/R  
**Deadline:** November 2, 2009  
**To learn more:** [http://www.psychfoundation.org/GrantAndAwards/AwardsandFellowships/AlexanderGralnickMDAward.aspx](http://www.psychfoundation.org/GrantAndAwards/AwardsandFellowships/AlexanderGralnickMDAward.aspx)  
**Key Words:** Schizophrenia  

**Psychobehavioral Diseases/Mental Health**  

**Notice of Intent to Publish a Request for Applications for Cognitive Remediation Approaches to Improve Drug Abuse Treatment Outcomes (R01, R21)**
New
NOT-DA-09-015
National Institute on Drug Abuse (NIDA)
The National Institute on Drug Abuse (NIDA) intends to publish a Request for Applications (RFA) to solicit research applications that
develop cognitive remediation strategies that enhance substance use disorder (SUD) treatment outcomes. In particular, this RFA will
encourage studies that investigate the potential relationship of pharmacological interventions and/or behavioral interventions in humans
that may be able to produce cognitive remediation and improve the outcome of various SUD treatments.
This notice is being provided to allow potential applicants sufficient time to develop meaningful collaborations and responsive projects.
This RFA is expected to be published in December, 2009 with an expected receipt date in April, 2010.
This RFA will utilize the R01 and R21 grant mechanisms.

Medications Development for Cannabis-Related Disorders (R01)
New
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, 2009
Key Words: Marijuana Abuse, Clinical Trials,
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 microbial mechanisms with potential for contributing to the remediation of sites contaminated with toxic wastes. Included are research investigations in analytical microbiology (including microbial signatures), and in general microbial mechanisms with relevance to Army problems. Addressed here also is research into microbial communities and how to study organisms that cannot be grown in the lab, as well as research into methods to enhance the stabilization of military materiel, which would include methods to prevent microbial growth.

Also included is the development of microbial systems for unique biotechnological applications and bioengineering processes with individual microbial species or consortia of microorganisms, emphasizing the control, stability, and mechanisms of the basic cellular processes involved. Technical Point of Contact: Dr. Micheline Strand, e-mail: Micheline.strand@us.army.mil, (919) 549-4343.

14.4. Neurophysiology and Cognitive Neuroscience. Research in the perception and cognition subfields of neurophysiology and the cognitive neurosciences, covering several or all areas of electrophysiology, psychophysiology, sensory and perceptual physiology, computational neurobiology, psychophysics, neuropsychology, and integrative neurobiology is of interest. Specific examples can include physiological, neuro-psychological and/or cortical/cognitive mechanisms underlying successful completion of complex task behaviors applicable to nonlaboratory environments under non-ideal conditions, to include both amelioration of induced losses as well as enhancement in defined perceptual, cognitive and/or motor abilities. Investigations can span the gamut from multi-unit recordings through evoked potentials and neuro-imaging technologies to humoral and psychological correlates of both central and peripheral nervous system function. Non-medically oriented research designed to elucidate the fundamental physiology underlying cognition and possible non-invasive methods of monitoring cognitive states and processes during normal activity is appropriate. Perceptual and/or psychophysiological implications of mind-machine interfaces ranging from optimizing auditory, visual and/or somatosensory display and control systems based on physiological or psychological states through modeling of individual cognitive dynamics and decision making is appropriate to this research area. Technical Point of Contact: Dr. Elmar T. Schmeisser e-mail: elmar.schmeisser@us.army.mil, (919) 549-4318.

Amount: unspecified
LOI: N/R
Deadline: September 30, 2011
To learn more: http://www.arl.army.mil/www/DownloadedInternetPages/CurrentPages/DoingBusinesswithARL/research/07-r-0001-02_amendment2.pdf

Key Words: Human Performance, Microbial Signatures, Perception and Cognition

American Foundation for Suicide Prevention Invites Applications for Research Grants

The American Foundation for Suicide Prevention
AFSP research grants support studies that aim to increase understanding of the causes of suicide and factors related to suicide risk, or to test treatments and other interventions designed to prevent suicide. Investigators from all academic disciplines are eligible to apply, and both basic science and applied research projects will be considered, providing the study has an essential focus on suicide or suicide prevention. AFSP grants are awarded for one or two-year periods.

Amount: varies
LOI: N/R
Deadline: submission deadlines of Dec. 15 and June 15; annually
To learn more: http://www.afsp.org/index.cfm?fuseaction=home.viewPage&page_id=0535FDA2-FA7D-AAE8-D7A9A6BCFFE3574B

Key Words:

Methodology, Measurement, and Statistics (MMS)
NSF 08-561

NSF The MMS Program seeks proposals that are methodologically innovative, grounded in theory, and have potential utility for multiple fields within the social, behavioral, and economic sciences. Successful proposals often integrate across the following areas: The development, application, and extension of formal models and methodology for social and behavioral research, including methods for improving measurement. The proposed research must have implications for one or more of the social and behavioral sciences. The development of formal models that cross traditional disciplinary boundaries, including research on statistical methodology or statistical modeling having direct implications for one or more of the social and behavioral sciences. Research on methodological aspects of new or existing procedures for data collection, including methodology for survey research, and research to evaluate or compare existing data bases and data collection procedures. The collection of unique databases with cross disciplinary implications, especially when paired with developments in measurement or methodology. The organizational infrastructure of social and behavioral research.

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

Sharing Data and Tools: Federations using the BIRN and caBIG Infrastructures (R01)
NOT-HL-08-103
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 FOA is released in affiliation with the Neuroscience Blueprint, with Institutes and Centers participating independently, and with participation by Institutes that are not part of the Neuroscience Blueprint. Institutes that are not part of the Blueprint are also participating.
Amount: $250,000
LOI: N/R
Deadline: multiple dates; January, September 21, 2009
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-07-426.html#SectionIV
Key Words:

Behavioral Systems
PD 07-7472
National Science Foundation (NSF)
Directorate for Biological Sciences (BIO)
Division of Integrative Organismal Systems (IOS)
The Behavioral Systems Cluster supports research on the development, function, mechanisms, and evolutionary history of behavior, with emphasis on a vertically integrated understanding of the behavioral phenotype in nature. To foster this integrative goal, the Cluster specifically encourages projects that seek to understand how combinations of neural, hormonal, physiological, and developmental mechanisms act synergistically as a system from which behavior emerges. Laboratory work or the study of animals in captivity is encouraged, to the extent that it contributes to the understanding of behavior in natural systems.
Amount: $140,000
LOI: N/R
Deadline: January 12; July 12;9 Annually
To learn more: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501086
Key Words: Behavioral Phenotype, Behavior, Evolutionary Biology

Silvio O. Conte Centers for Basic and Translational Mental Health Research (P50)
PAR-08-194
National Institutes of Health (NIH)
National Institute of Mental Health (NIMH)
The National Institute of Mental Health (NIMH) invites applications for Conte Centers for Basic and Translational Mental Health Research. The purpose of these Centers is to support interdisciplinary teams of researchers engaging in integrative, novel, and creative
experimental approaches to address high-risk, high-impact questions that will significantly advance the state of the science in brain and behavioral research relevant to mental health. Conte Centers comprise a collaborative, cutting-edge, interdisciplinary research program conducted at multiple levels of analysis spanning from genes to behavior to disease in humans, animals, and model systems, from infancy to adulthood as appropriate, based on a well-defined and unified scientific question (hypothesis) or problem. Areas of interest span the full range of basic neuroscience, basic behavioral science, genetics research, and proof-of-concept clinical trials, as well as the translational integration of neuroscience and behavioral science with study of the etiology, pathogenesis, and/or the developmental progression of mental disorders across the lifespan. Proposed Centers should be directed towards a well-defined and unified scientific question or problem and in some instances may include discovery-based as well as technology development components.

Amount: $10,750,000
LOI: August 25, 2009; and August 25, 2010
Deadline: September 23, 2009; and September 23, 2010
To learn more: http://grants1.nih.gov/grants/guide/pa-files/PAR-08-194.html
Key Words: Mental Health, Neuropsychiatry, Psychiatry

2010 NIH Director’s New Innovator Award Program (DP2) and (DP1)
RFA-RM-09-011 and RFA-RM-09-010
National Institutes of Health (NIH)
The NIH Director’s New Innovator (DP2) Award program was created in 2007 to support a small number of early stage investigators of exceptional creativity who propose bold and highly innovative new research approaches that have the potential to produce a major impact on broad, important problems in biomedical and behavioral research. The New Innovator Awards complement ongoing efforts by NIH and its Institutes and Centers to fund early stage investigators through R01 grants, which continue to be the major sources of NIH support for early stage. The NIH Director’s New Innovator Award Program is a High-Risk Research initiative of Research Teams of the Future.
Amount: $1,500,000
LOI: N/R
Deadline: October 27, 2009
Key Words: Biomedical, Behavioral Research

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

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

**Key Words**: Mental Disorders, Drug Therapy

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**Basic and Translational Research in Emotion (R01)**

PA-09-137

National Institute of Mental Health (NIMH)
National Cancer Institute (NCI)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Child Health and Human Development (NICHD)
National Institute on

This Funding Opportunity Announcement (FOA) encourages Research Project Grant (R01) applications to expand basic and translational research on the processes and mechanisms involved in the experience, expression, and regulation of emotion.

Amount: varies
LOI: N/R
Deadline: Standard dates apply

**Key Words**: Emotion, Regulation of

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**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
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

Functioning of People with Mental Disorders (R01)
PA-08-255
National Institute of Mental Health (NIMH)
Although considerable advances have been made in improving the symptoms associated with mental disorders, symptom improvement is often only modestly associated with improvements in daily functioning (i.e., the performance of social, occupational, and instrumental tasks of daily living), and most current treatments have limited impact on the functioning and participation of those with mental disorders. The purpose of this Funding Opportunity Announcement (FOA), issued by the National Institute of Mental Health (NIMH), is the application of biobehavioral science methods and approaches to: a) develop and refine definitions and measures of function, disability, and daily participation relevant to those with mental disorders; b) understand the ecological mechanisms, independent of symptom severity, that contribute to functioning and disability in this population; and c) develop and test novel interventions that specifically and directly target functional capacity and performance deficits of this population. Emphasis will be on the application of basic behavioral processes (e.g., cognition, affect, knowledge, attitudes, motivation, learning, decision-making, interpersonal processes), and environmental parameters (e.g., social support, structural adaptations, community involvement) that influence functional outcome.
Amount: varies
LOI: N/R
Deadline: standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-255.html
Key Words: Mental Disorders

Deep Sequencing and Haplotype Profiling of Mental Disorders (Collaborative R01)
PA-08-198
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/PA-08-198.html
Key Words: Bioinformatics, DNA Sequencing, Genomics, Mental Disorders

Neurodevelopment and Neuroendocrine Signaling in Adolescence: Relevance to Mental Health
[[R01] PA-09-008] and [[R21] PA-09-009]
PA-09-008 and PA-09-009
National Institute of Mental Health (NIMH)
This funding opportunity announcement (FOA) solicits research grant applications that propose to identify neurodevelopmental and neuroendocrine mechanisms that impact emotional and cognitive development and emerging psychopathology during adolescence, utilizing animal models and human studies.

**Amount:** varies

**LOI:** N/R

**Deadline:** standard dates apply

To learn more:

**Key Words:** Neurodevelopment, Cognitive Development, Adolescent

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**Identification and Characterization of Sensitive Periods for Neurodevelopment in Studies of Mental Illness (R01) and (R21)**

RFA-MH-10-010 and RFA-MH-10-011

National Institute of Mental Health (NIMH)

This Funding Opportunity Announcement (FOA), issued by the National Institute of Mental Health (NIMH), solicits research grant applications from institutions/organizations that propose to investigate the role of sensitive periods (i.e., periods during which the developing brain is maximally sensitive to environmental influences that confer risk or resilience) in the development of cognitive or affective function and behaviors relevant to mental health disorders. In particular, applications may address sensitive periods in the development of normal function or psychopathology, sensitive periods for intervention to prevent, pre-empt, and/or treat mental illness, and the mechanisms underlying the interaction between genetics, experience, and development.

**Amount:** varies

**LOI:** September 20, 2009

**Deadline:** October 20, 2009

To learn more:

**Key Words:** Neurodevelopment, Mental Health Disorders

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**Biosignature Discovery for Personalized Treatment in Depression (U01)**

RFA-MH-10-040

National Institute of Mental Health (NIMH)

The purpose of this initiative is to support exploratory research to discover panels of promising biomarkers (i.e., biosignatures) that are predictive of treatment outcomes in major depressive disorder.

**Amount:** $24,000,000

**LOI:** December 14, 2009

**Deadline:** January 13, 2010


**Key Words:** Biomarkers, Major Depressive Disorder

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**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


**Key Words:** Health Risk Behavior, Mental Health Treatment

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**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

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: December 22, 2009; April 22, 2010; August 24, 2010; December 22, 2010; April 22, 2011; August 24, 2011; December 22, 2011 (including resubmissions)

Key Words: Doctoral Training Support, Mental Health Professions

Deep Sequencing and Haplotype Profiling of Mental Disorders (Collaborative R01)
PAR-08-199
National Institute of Mental Health (NIMH)
With the initial stages of the Human Genome Project completed and new insights gained into the complex interplay of genomic function, genomic structure and the environment in mental disorders, attention is shifting towards the translational promise of the completed human sequence and a new era of genomic medicine in mental disorders. A special emphasis of this Funding Opportunity Announcement (FOA) issued by the National Institute of Mental Health (NIMH), National Institutes of Health (NIH), is to support applications that implement large-scale studies and innovative analytical designs that will disaggregate a given mental disorder into components of finite risks. These developments may be evolutionary or may be fundamentally new and may lead to paradigm shifts in the field. Applications submitted in response to this FOA may propose new technologies for cost effective whole genome analysis and in-depth sequencing and analysis of candidate genes and genomic regions in pedigrees or in a sample of unrelated cases with mental disorders. Applications for large-scale haplotype analysis and the development of new analytical methods also are encouraged.

Amount: varies
LOI: N/R
Deadline: standard application deadlines for the R01 funding mechanism are February 5, June 5, and October 5.
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-199.html

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

Exceptional, Unconventional Research Enabling Knowledge Acceleration (EUREKA) (R01)
RFA-GM-10-009
National Institute of General Medical Sciences (NIGMS)
National Cancer Institute (NCI)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
National Institute of Dental and Craniofacial Research (NIDCR)
National Inst

This FOA solicits Research Project Grant (R01) applications from institutions/organizations proposing exceptionally innovative research on novel hypotheses or difficult problems, solutions to which would have an extremely high impact on biomedical or biobehavioral research that is germane to the mission of one or more of the participating NIH Institutes. This FOA is for support of new projects, not continuation of projects that have already been initiated. It does not support pilot projects, i.e., projects of limited scope that are designed primarily to generate data that will enable the PI to seek other funding.

Amount: $800,000
NIH Exploratory/Developmental Research Grant Program (Parent R21)
PA-09-164
National Eye Institute (NEI)
National Heart, Lung and Blood Institute (NHLBI)
National Human Genome Research Institute (NHGRI)
National Library of Medicine (NLM)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)

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. All investigator-initiated exploratory/developmental 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.

Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
Key Words: Biomedical, Behavioral, or Clinical Research

Gala Award Prizes
National Alliance for Research on Schizophrenia and Depression
NARSAD recognizes outstanding research leadership and contributions to psychiatric research with a number of annual awards and prizes.

Amount: $50,000
LOI: continuous
Deadline: awarded in fall
To learn more: [http://www.narsad.org/research/prizes/](http://www.narsad.org/research/prizes/)
Key Words: Psychiatric Disorders, Mental Health

Program in Eating Disorders Research
Klarman Family Foundation
The Klarman Family Foundation is interested in providing strategic investment in translational research that will accelerate progress in developing effective treatments for anorexia nervosa, bulimia nervosa and binge eating disorder. The Program's short-term goal is to support the most outstanding science and expand the pool of scientists whose research explores the basic biology of eating disorders. The long-term goal is to improve the lives of patients suffering from these conditions. Examples of funding areas include but are not limited to molecular genetic analysis of relevant neural circuit assembly and function; animal models created by genetically altering neural circuits; testing of new chemical entities that might be used in animal models as exploratory treatments; and brain imaging approaches that identify neurochemical pathways in patients with these disorders. Investigators conducting research in the neuro-circuitry of fear conditioning or reward behavior may also apply but must justify the relevance of their research projects to the basic biology of eating disorders. Clinical psychotherapeutic studies, medication trials and research in the medical complications of these disorders are outside the scope of this Program.

Amount: $400,000
LOI: N/R
Deadline: December 8, 2009
To learn more: [http://www.hria.org/tmfgrants/klarman/](http://www.hria.org/tmfgrants/klarman/)
Key Words: Anorexia Nervosa, Bulimia Nervosa, Binge Eating Disorder, Molecular Genetic Analysis, Neural Circuit Assembly

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)
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

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

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)
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 paper considered on a rolling basis
Deadline: February 28, 2010

To learn more: [https://www.fbo.gov/download/c41/c418c2c7574e9672594ff3f76eba6a2a/BAA09-07@dhs.gov.pdf](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

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&fair006=true&oppId=48873](http://www.grants.gov/search/search.do?mode=VIEW&fair006=true&oppId=48873)

Key Words: Traumatic Brain Injury, Rehabilitation, Disability Services, Mental Health Acceptance

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**Psychological Health and Traumatic Brain Injury Research Program Investigator-Initiated Research Award**

**W81XWH--09-PHTBIRP-IIRA**

**DEPARTMENT OF DEFENSE (DOD)**

The PH/TBI Research Program Investigator-Initiated Research Award is intended to support studies that make an important contribution to PH/TBI research and/or patient care in at least one of the FY09 PH/TBI topic areas, and are responsive to the health care needs of warriors, Veterans, families, caregivers and/or communities. All applications must specifically and clearly address the military relevance of the proposed research. Collaboration with military researchers and clinicians is encouraged. Research projects may focus on any phase of research from basic laboratory through translational research. Observations that drive a research idea may be derived from laboratory discovery, population-based studies, or a clinician’s firsthand knowledge of patients and anecdotal data. Preference will be given to proposals that include preliminary and/or published data relevant to the PH/TBI topic area and the proposed project, but omission of these will not be a disqualifying factor. Partnering PI Option: As a method to bring a new perspective to research and facilitate progress in the PH/TBI field by combined effort, the FY09 PH/TBI Research Program is offering a Partnering PI option for this award mechanism. Development of the research plan should involve a reciprocal flow of ideas and information with equal intellectual input from all partners into the design of a single research project. For example, a proposed project in which a partner DOD PH/TBI Research Program Investigator-Initiated Research Award merely supplies support services, tissue samples, or access to patients will not meet the intent of this option. This award option is structured to accommodate up to three PIs.

Amount: $1,000,000
LOI: August 14, 2009
Deadline: October 28, 2009
To learn more: [http://www.grants.gov/search/search.do?mode=VIEW&oppId=48395](http://www.grants.gov/search/search.do?mode=VIEW&oppId=48395)

Key Words: Psychological Health, Traumatic Brain Injury

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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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**Award for Research in Schizophrenia**

American Psychiatric Foundation

The American Psychiatric Foundation, the philanthropic and educational arm of the American Psychiatric Association, is accepting submissions for the Alexander Graalnick, M.D., Award for Research in Schizophrenia. The award acknowledges research achievements
in the treatment of schizophrenia, emphasizing early diagnosis and treatment and psychosocial aspects of the disease process. Additional preference will be given to researchers working in a psychiatric facility.

Amount: $4,000
LOI: N/R
Deadline: November 2, 2009
To learn more: http://www.psychfoundation.org/GrantAndAwards/AwardsandFellowships/AlexanderGralnickMDAward.aspx
Key Words: Schizophrenia

Research Interests of the Air Force Office of Scientific Research
AFOSR-BAA-2009-1
Air Force Office of Scientific Research
AFOSR plans, coordinates, and executes the Air Force Research Laboratory’s (AFRL) basic research program in response to technical guidance from AFRL and requirements of the Air Force; fosters, supports, and conducts research within Air Force, university, and industry laboratories; and ensures transition of research results to support USAF needs. The focus of AFOSR is on research areas that offer significant and comprehensive benefits to our national warfighting and peacekeeping capabilities. These areas are organized and managed in three scientific directorates: Aerospace, Chemical and Material Sciences (NA), Physics and Electronics (NE), and Mathematics, Information and Life Sciences (NL). The research activities managed within each directorate are summarized within this BAA. AFOSR solicits proposals for basic research through this general Broad Agency Announcement (BAA). This BAA outlines the Air Force Defense Research Sciences Program. AFOSR invites proposals for research in many broad areas. These areas are described in detail in Section I, Funding Opportunity Description. AFOSR is seeking unclassified, fundamental research white papers and proposals that do not contain proprietary information. Life Science Areas include:
- Mathematical Modeling of Cognition and Decision
- Collective Behavior and Socio-Cultural Modeling

Amount: $750,000
LOI: N/R
Deadline: Open
To learn more: http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=46106
Key Words: Cognition, Behavioral Influences

Public Health

Future Calls for Proposals
New
Robert Wood Johnson Foundation (RWJF)
Whenever possible, RWJF will post advance notice of when they intend to issue calls for proposals (CFPs). In general, the application deadline for most CFPs will be one to three months after the release date.
Harold Amos Medical Faculty Development Program
Interdisciplinary Nursing Quality Research Initiative (INQRI)
Medicaid Leadership Institute
Robert Wood Johnson Foundation Clinical Scholars Program
Robert Wood Johnson Foundation Nurse Faculty Scholars

Amount:
LOI:
Deadline: October, November, December release dates
To learn more: http://www.rwjf.org/applications/solicited/upcomingcfplist.jsp?cid=xrs_rss-fa
Key Words: Nursing, Medicaid, Clinical Scholars

Recovery Act Limited Competition: Building Sustainable Community-Linked Infrastructure to Enable Health Science Research (RC4)
New
RFA-OD-09-010
National Institutes of Health (NIH)
multiple institutes
The NIH has established a new program entitled Building Sustainable Community-Linked Infrastructure to Enable Health Science Research, hereafter called the Community Infrastructure grants program. This NIH Funding Opportunity Announcement (FOA), supported by funds provided to the NIH under the American Recovery and Reinvestment Act of 2009, Public Law 111-5, solicits applications from domestic (United States) institutions/organizations proposing to support the development, expansion, or
reconfiguration of infrastructures needed to facilitate collaboration between academic health centers and community-based organizations for health science research. Such collaboration should transform the way in which health science research is conducted in communities, and accelerate the pace, productivity, dissemination, and implementation of health research; applications that build upon extant collaborative infrastructures supported by other Federal agencies are strongly encouraged.

**Amount:** not to exceed $1,000,000  
**LOI:** November 12, 2009  
**Deadline:** December 11, 2009  
**Key Words:** Community-Based Research

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**The Role of Healthcare and Insurance in Improving Outcomes in Cancer Prevention, Early Detection and Treatment**

**New**  
American Cancer Society (ACS)  
The American Cancer Society invites applications that investigate the impact of healthcare costs, healthcare system and capacity, insurance status, social factors and delivery of health care services, on outcomes in cancer prevention, early detection and treatment.  

**Amount:** unspecified  
**LOI:** N/R  
**Deadline:** October 15, 2009  
**To learn more:** [http://a676.g.akamaitech.net/f/676/773/90m/images.m0.net/cm50content/19439/9218/HP_RFA_July_2009.pdf](http://a676.g.akamaitech.net/f/676/773/90m/images.m0.net/cm50content/19439/9218/HP_RFA_July_2009.pdf)  
**Key Words:** SEER, Medicare payment data, State data and NCHS data

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**AHRQ Announces Intent to Publish Grant and Contract Solicitations for Patient Safety and Medical Liability Reform Demonstration Projects**

**New**  
NOT-HS-09-013  
Agency for Healthcare Research and Quality (AHRQ)  
The Agency for Healthcare Research and Quality (AHRQ) intends to publish solicitations for Patient Safety and Medical Liability Reform Demonstration Projects.  

**Amount:**  
**LOI:** Pre-solicitation notice  
**Deadline:** available October 2009  
**Key Words:** Malpractice, Public Policy Debate, Patient Safety

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**Recovery Act 2009 Limited Competition: AHRQ Clinical and Health Outcomes Initiative in Comparative Effectiveness (CHOICE) Grants (R01)**

**New**  
RFA-HS-10-003  
The FOA invites grant applications for new comparative effectiveness research projects aimed at generating new knowledge to help inform decision making in priority areas of clinical care. Projects should be focused on developing new scientific evidence that will fill important knowledge gaps and on generating critical insights into the comparative clinical effectiveness of health care interventions. Applications should address the outcomes and effectiveness of assessments across population groups that are often underrepresented in medical research. The impact of these studies should have a high likelihood of creating major advancements in clinical care. The initiative will emphasize projects that define research gaps and studies that are designed to produce actionable results.
Public Health Services and Systems Research
The Robert Wood Johnson Foundation (RWJF)
The Robert Wood Johnson Foundation (RWJF) seeks to expand the evidence base for effective public health policy and practice through investment in Public Health Services and Systems Research (PHSSR). PHSSR examines the structure, operation and outcomes of the public health system and the impact of the services it provides on the health of the public.

Amount: $200,000
LOI: September 22, 2009
Deadline: December 15, 2009
To learn more: http://www.rwjf.org/applications/solicited/cfp.jsp?ID=20861
Key Words: Public Health Policy

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-aikes 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

Safety-net Enhancement Initiative
The Kresge Foundation
The foundation’s Safety-net Enhancement Initiative seeks to demonstrate how community health centers can address health disparities, enhance service delivery and care, and improve outcomes through collaboration and regional partnerships.

Amount: $825,000
LOI: N/R
Deadline: November 16, 2009
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
To learn more: http://www.afsp.org/index.cfm?fuseaction=home.viewPage&page_id=0535FDA2-FA7D-AAE8-D7A9A6BCFFE3574B
Key Words:

Changes in Health Care Financing and Organization (HCFO)
Robert Wood Johnson Foundation (RWJF)
This program supports policy analysis, research, evaluation and demonstration projects that provide policy leaders timely information on health care policy and financing issues. This Call for Proposals is intended to support projects that: 1) examine significant issues and interventions related to health care financing and organization and their effects on health care costs, quality and access; and 2) explore or test major new ways to finance and organize health care that have the potential to improve access to more affordable and higher quality health services.
Mentored Research Scientist Research Career Development Award (K01)
PAR-09-087
Office of Extramural Research, Education and Priority Populations (OEREP)
The primary purpose of the AHRQ Mentored Research Scientist Research Career Development Awards (K01) program is to prepare qualified individuals for careers that have a significant impact on the quality, safety, efficiency, and effectiveness of health care for all Americans. This program represents the continuation of an AHRQ program that provides support and “protected time” to individuals with a research doctoral degree for an intensive, supervised research career development experience in health services research. The K01 award can be used both by individuals who propose to newly embark in heath services research training and those who had a hiatus in their research careers because of illness or family circumstances. The K01 award is also available to promote research workforce diversity by providing enhanced research career development opportunities.
Amount: varies
LOI: N/A
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-087.html
Key Words: Health Services Research

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

Science, Technology, and Society
NSF 08-553
NSF
STS considers proposals that examine historical, philosophical, and sociological questions that arise in connection with science, engineering, and technology, and their respective interactions with society. [STS has four components: 1. Ethics and Values in Science, Engineering and Technology (EVS), 2. History and Philosophy of Science, Engineering and Technology (HPS), 3. Social Studies of Science, Engineering and Technology (SSS), and 4. Studies of Policy, Science, Engineering and Technology (SPS).]
Amount: The maximum award (indirect costs excluded) is normally $180,000 multiple funding levels available, including summer research programs
LOI: N/R
Deadline: February 1 annually; August 1 annually
Key Words:

NLM Express Research Grant in Biomedical Informatics (R01)
PAR-08-080
NIH, NLM (National Library of Medicine)
The National Library of Medicine supports research grants that advance the sciences of biomedical informatics and bioinformatics. Informatics is concerned with the optimal management of information, and in practice is usually located at the intersection of computer and information sciences with an application domain such as health care, public health, basic biomedical research or clinical translational research.

**Amount:** varies  
**LOI:** N/R  
**Deadline:** multiple dates, see announcement  
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PAR-08-080.html](http://grants.nih.gov/grants/guide/pa-files/PAR-08-080.html)  
**Key Words:**

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**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  
**Key Words:**

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**Development, Applications, and Evaluation of Prediction Models for Cancer Risk and Prognosis (R01) [PA-07-021] and [(R21) [PA-07-022]**  
**PA-07-021 and PA-07-022**  
**NIH**  
The purpose of this funding opportunity announcement (FOA) for R01 applications is to encourage clinicians, epidemiologists, geneticists, statisticians, and translational cancer control and prevention researchers to improve existing models for cancer risk, prognosis, or response to therapy 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.  
**Amount:** varies  
**LOI:** N/R  
**Deadline:** multiple, see link  
**Key Words:**

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**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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**Reducing Mental Illness Stigma and Discrimination (Collaborative R01)**  
**PAR-08-040**  
**NIH**
This Funding Opportunity Announcement (FOA), issued by the National Institute of Mental Health (NIMH), National Institutes of Health (NIH), and conceived in collaboration with the Center for Mental Health Services (CMHS), Substance Abuse and Mental Health Services Administration (SAMHSA), will provide funding for partnerships to assess the effectiveness of existing stigma and discrimination reduction programs and approaches, including media-oriented approaches such as public service announcements; develop innovative new programs and approaches; and examine the role of media in perpetuating and changing mental illness stigma and discrimination. These partnerships must include (1) consumer and/or advocate organizations, communities, or state and local agencies with hands-on expertise in developing and implementing stigma reduction programs and strategies, and (2) social, behavioral, and/or communication scientists with expertise in stigma research design and methodology. Partnerships to further information exchange with public stakeholders and organizations to improve the accuracy of public awareness about effective treatments for mental disorders; and to examine how service delivery organization and mental illness treatment financing (e.g., non-mental health parity, separate behavioral health insurers) impact mental illness stigma and discrimination are also appropriate.

Amount: $250,000
LOI: N/R
Deadline: multiple

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, expires 2011

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

Key Words:

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

Amount: varies
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, expires 2011
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-012.html
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 (MUAs) and medically underserved populations (MUPs) 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
Deadline: May 14, 2010
Key Words:

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

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

**Amount:** 3 years of salary (up to $75,000 per annum plus fringe benefits) and research support up to $50,000 per annum.

**LOI:** N/R

**Deadline:** multiple, see listing


**Key Words:**

**Behavioral Systems**

*PD 07-7472*

National Science Foundation (NSF)

Directorate for Biological Sciences (BIO)

Division of Integrative Organismal Systems (IOS)

The Behavioral Systems Cluster supports research on the development, function, mechanisms, and evolutionary history of behavior, with emphasis on a vertically integrated understanding of the behavioral phenotype in nature. To foster this integrative goal, the Cluster specifically encourages projects that seek to understand how combinations of neural, hormonal, physiological, and developmental mechanisms act synergistically as a system from which behavior emerges. Laboratory work or the study of animals in captivity is encouraged, to the extent that it contributes to the understanding of behavior in natural systems.

**Amount:** $140,000

**LOI:** N/R

**Deadline:** January 12; July 12; Annually


**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

**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
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: Jun 16, 2009
Key Words: Addictions, Alcohol or Alcoholism, Alcoholism Prevention, Genetics, Substance Abuse, Substance Abuse Prevention

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) - PA-06-468/PA-08-226
PA-06-468/PA-08-226
National Institutes of Health (NIH)
The objective of the National Research Service Award (NRSA) program is to provide predoctoral and postdoctoral research training opportunities for individuals interested in pursuing research careers in biomedical, behavioral and clinical research. Each NIH Institute and Center has a unique scientific purview and different program goals and initiatives that evolve over time. It is therefore critical that all applicants consult with the scientific/research contact at the relevant NIH Institute or Center for current information about program priorities and policies before preparing an application. This action is of utmost importance because applications with marginal or no relevance to the NIH awarding components participating in this funding opportunity announcement will not be accepted for review or considered for funding.
Amount: varies
LOI: N/R
Deadline: Jan 25 annually; May 25 annually
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-226.html
Key Words: Alcohol or Alcoholism, Allergy, Alternative Medicine, Arthritis, Biomedical Research (Multidisciplinary), Blood Diseases, Cancer or Carcinogenesis, Cardiovascular Diseases, Deafness, Diabetes, Digestive Diseases and Disorders, Drug Abuse Prevention, Envir

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

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, 2009; August 31, 2010  
Deadline: September 29, 2009; 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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topics 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  

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The National Drug Abuse Treatment Clinical Trials Network (U10)  
RFA-DA-10-009  
National Institute on Drug Abuse (NIDA)  
This Funding Opportunity Announcement (FOA) from the National Institute on Drug Abuse (NIDA) announces a competition for new cooperative agreement applications and cooperative agreement renewal applications from established clinical investigators to participate in the National Drug Abuse Treatment Clinical Trials Network (CTN). As a nation-wide partnership for translational research among addiction treatment providers, researchers, and NIDA staff, the CTNs mission is to test and validate effective and efficient treatments that can be adopted by addiction treatment providers throughout the Nation, using science as the vehicle. The CTN provides an enterprise in which community-based addiction service providers, other health practitioners working with patients that have addiction problems, addiction treatment researchers, and NIDA cooperatively develop, validate, refine, and deliver new treatment options for patients in community-level clinical practice.  
Amount: $3,750,000  
LOI: October 2, 2009  
Deadline: November 2, 2009  
Key Words: Addiction Treatment  

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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 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 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

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

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

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

Drug Abuse Aspects of HIV/AIDS
PA-07-307 and PA-07-308 or PA-07-309

National Institute on Alcohol Abuse and Alcoholism (NIAAA)
The purpose of this Funding Opportunity Announcement (FOA) from NIDA is to encourage drug abuse research to address the changing dynamics of the HIV/AIDS epidemic in the United States, such as the increasing over-representation of minorities and women...
among new AIDS cases and role of heterosexual sex as a transmission route. Studies are needed to develop novel preventive interventions that more effectively address the evolving epidemic. Internationally, studies are needed on how to translate and adapt interventions that have proved effective in the United States to other communities and international settings and to learn from other conditions and cultures to inform our understanding of the causes, consequences, and differences in HIV-associated risks, morbidity, and mortality in diverse populations.

Amount: varies  
LOI: N/R  
Deadline: standard dates apply (Sep 07, 2009)  

Key Words: AIDS (Substance Abuse), HIV

Drug Abuse Aspects of HIV/AIDS  
[(R01)PAS-07-324] and [(R03)PAS-07-326] or [(R21)PAS-07-325]  
PAS-07-324 and PAS-07-326 or PAS-07-325  
National Institute on Alcohol Abuse and Alcoholism (NIAAA)  
This program announcement is intended to stimulate model-driven research that will increase understanding of how drugs of abuse or processes of addiction influence decisions about high-risk sexual behavior, thereby enhancing vulnerability for acquiring or transmitting HIV. Research supported by this announcement will emphasize interdisciplinary studies that incorporate approaches from psychology, economics, anthropology, sociology, decision sciences, neuroscience, and computational modeling. Hypothesis-driven research and modeling approaches that can guide empirical testing are encouraged. The study of decisions to engage in risky sexual behavior must be clearly the central focus of the proposed research.

Amount: varies  
LOI: N/R  
Deadline: standard dates apply  

Key Words: AIDS (Substance Abuse), HIV

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, expires January 2011  
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-008.html

Key Words: Alcohol Use Disorders

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
Functioning of People with Mental Disorders (R01)
PA-08-255
National Institute of Mental Health (NIMH)
Although considerable advances have been made in improving the symptoms associated with mental disorders, symptom improvement is often only modestly associated with improvements in daily functioning (i.e., the performance of social, occupational, and instrumental tasks of daily living), and most current treatments have limited impact on the functioning and participation of those with mental disorders. The purpose of this Funding Opportunity Announcement (FOA), issued by the National Institute of Mental Health (NIMH), is the application of biobehavioral science methods and approaches to: a) develop and refine definitions and measures of function, disability, and daily participation relevant to those with mental disorders; b) understand the ecological mechanisms, independent of symptom severity, that contribute to functioning and disability in this population; and c) develop and test novel interventions that specifically and directly target functional capacity and performance deficits of this population. Emphasis will be on the application of basic behavioral processes (e.g., cognition, affect, knowledge, attitudes, motivation, learning, decision-making, interpersonal processes), and environmental parameters (e.g., social support, structural adaptations, community involvement) that influence functional outcome.

Amount: varies
LOI: N/R
Deadline: standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-255.html

Key Words: Mental Disorders

Interventions And Practice Research Infrastructure Program (IP-RISP) (R24)
PAR-06-441
National Institute of Mental Health (NIMH)
The National Institute of Mental Health (NIMH) seeks research partnerships between community-based, clinical/services settings and research institutions to enhance the national capacity to conduct research that will inform mental health services research science, service delivery, program dissemination and implementation, and mental health policy. The IP-RISP seeks to foster an active, synergistic partnership between mental health researchers and community-based, clinical/services staff, clinicians and patients/clients to: (1) advance our knowledge about developing research infrastructure in community settings and the establishment of collaborative partnerships; (2) identify and incorporate those factors (e.g., organizational, sociocultural, interpersonal) in community settings that may be associated with quality care and optimal outcomes for patients and clients; and (3) plan, test, and implement services research interventions (treatment, rehabilitative, and preventive) in community settings.

Amount: varies up to $500,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-06-441.html

Key Words: Community Based Research

Short Courses on Mathematical, Statistical, and Computational Tools for Studying Biological Systems (R25)
PA-09-002
National Institute of General Medical Sciences (NIGMS)
National Center for Complementary and Alternative Medicine (NCCAM)
National Institute on Aging (NIA)
National Institute of Mental Health
This FOA issued by the National Institute of General Medical Sciences, the National Center for Complementary and Alternative Medicine, the National Institute on Aging and the National Institute of Mental Health encourages applications for Research Education Grants (R25) from institutions and organizations to conduct workshops and short courses to improve integration of mathematical, statistical, and computational approaches into biological and/or behavioral research. Support will be limited to activities that reach a wide audience of researchers. The program announcement is NOT intended for university course or curriculum development.

Amount: $1,000,000
LOI: N/R
Deadline: standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-002.html

Key Words: Statistical Analysis, Behavioral Research, Computational Analysis

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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**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


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

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**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

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**Research Demonstration and Dissemination Grants (R18)**

PA-07-017

National Heart, Lung, and Blood Institute (NHLBI)

The purpose of this Funding Opportunity Announcement (FOA) is to encourage the scientific community to conduct Demonstration and Dissemination studies to test the effectiveness of interventions in children, adolescents, or adults to (1) promote healthful behaviors; (2) reduce risk factors for heart, lung, and blood diseases, and sleep disorders; (3) improve the prevention or management of heart, lung, and blood diseases, and sleep disorders, including the delivery of health care services; and (4) enhance understanding of the
processes of intervention, implementation, and diffusion, or sustainability in a defined population, or defined clinical or community setting.

Amount: $2,499,995
LOI: N/R
Deadline: Sep 25, 2009

Key Words: Blood Diseases, Clinical Medicine, Community Health, Disease Prevention, Health Behavior, Health Promotion, Health Services Delivery, Heart Diseases, Medical Intervention Agents, Medical Intervention Methods, Program Evaluation (health sciences), Pulmonary

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**NIH Exploratory/Developmental Research Grant Program (Parent R21)**

PA-09-164

National Eye Institute (NEI)
National Heart, Lung and Blood Institute (NHLBI)
National Human Genome Research Institute (NHGRI)
National Library of Medicine (NLM)
National Institute on Aging (NIA)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)

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. All investigator-initiated exploratory/developmental 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.

Amount: $275,000
LOI: N/R
Deadline: Standard dates apply
Key Words: Biomedical, Behavioral, or Clinical Research

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**Clarification of Specific Research Objective in PAR-09-224, Improving Diet and Physical Activity Assessment (R01)**

NOT-CA-09-032
National Cancer Institute
National Heart, Lung, and Blood Institute
National Institute on Aging
Eunice Kennedy Shriver National Institute of Child Health and Human Development
National Institute of Diabetes and Digestive and Kidney Diseases
National Inst

Among the potential topics of research appropriate for PAR-09-224(Section I. Funding Opportunity Description, 1. Research Objectives), research projects related to biomarker-based validation of diet and physical activity measures, are explicitly encouraged. The following Specific Research Objective is included in this FOA:

Validate methods for measuring dietary and/or supplement intake or physical activity using appropriate reference instruments, including biomarkers, objective measures, or physiologic outcomes such as strength and fitness.

Biomarker based validation studies of newly developed Internet-based diet and physical activity assessment instruments in existing cohorts are highly encouraged. Biomarker studies of interest might include resting metabolic rate, total energy expenditure, body composition, fasting bloods, and 24-hour urines. Further comparisons of the Internet-based and conventional self-report instruments with newer biomarkers/instruments, including heart rate monitors, metabolomic profiles, and urinary markers of sugar and meat intake would be appropriate for this FOA. NIH has developed novel internet-based diet and physical activity recall instruments and new statistical techniques that combine data from the Internet-based tools with data from conventional instruments, self-reports, and biomarker studies. This FOA encourages cohorts that: 1) have access to clinical facilities for biomarker studies; and, 2) can administer conventional food frequency and physical activity questionnaires along with the new internet-based diet and physical activity recalls. Large numbers of people from cohorts in diverse geographic areas and among different racial and ethnic groups are encouraged. Collaboration among cohorts is also encouraged. A white paper indicating the type of study design encouraged by NCI is available at: [http://riskfactor.cancer.gov/tools/biomarker_validation_in_cohorts.pdf](http://riskfactor.cancer.gov/tools/biomarker_validation_in_cohorts.pdf)

No other aspects of this FOA are changed. The next due date for new applications is October 5, 2009. Please note that this FOA uses alternating cycle standard due dates.

Amount:
LOI:
Deadline: Released August 28, 2009
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:  December 21, 2009; 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/notice-files/NOT-CA-09-032.html
Key Words:  PAR-09-224, Physical Activity Measures, Exercise, Biomarkers

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:  September 5, 2009; May 5, 2010; January 5, 2011; September 5, 2011; May 5, 2012
Deadline:  October 5, 2009; June 5, 2010; February 5, 2011; October 5, 2011; June 5, 2012
To learn more:  http://grants.nih.gov/grants/guide/notice-files/NOT-CA-09-032.html
Key Words:  PAR-09-224, Physical Activity Measures, Exercise, Biomarkers

Impact of Health Communication Strategies on Dietary Behaviors
[[R21] PA-08-240] and [[R01] PA-08-241]
PA-08-240 and PA-08-241
National Cancer Institute (NCI)
National Heart, Lung, and Blood Institute (NHLBI)
National Institute of Child Health and Human Development (NICHD)
National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Office of Behavioral and Social Sciences Research
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), the National Heart, Lung, and Blood Institute (NHLBI), the National Institute of Child Health and Human Development (NICHD), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), the Office of Behavioral and Social Sciences Research (OBSSR), the NIH-Office of Disease Prevention (ODP), the Office of Dietary Supplements (ODS), the U.S. Food and Drug Administration (FDA), and the Centers for Disease Control and Prevention (CDC), encourages applications for research projects focused on the development and implementation of effective communication strategies related to diet and health. Specifically, this FOA is designed to promote interdisciplinary research, conducted...
at multiple levels (e.g., individual, community/environment, and policy) and across diverse populations, to evaluate effective communication approaches for changing dietary behaviors.

**Amount:** $275,000  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**To learn more:**  
**Key Words:** Nutrition, Communication

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

PAR-09-160 and PAR-09-161  
National Cancer Institute (NCI)

Through this Funding Opportunity Announcement (FOA), the Center to Reduce Cancer Health Disparities (CRCHD) and the Division of Cancer Biology (DCB), at the National Cancer Institute (NCI), invite grant applications from investigators interested in conducting basic research studies into the causes and mechanisms of cancer health disparities. These awards will support pilot and feasibility studies, development and testing of new methodologies, secondary data analyses, and innovative mechanistic studies that investigate biological/genetic bases of cancer health disparities. This FOA is also designed to aid and facilitate the growth of a nationwide cohort of scientists with a high level of basic research expertise in cancer health disparities research and to provide resources for those investigators that may need additional support on their path to successfully compete for R01/R01* funding in basic research in understanding cancer health disparities.

**Amount:** $275,000  
**LOI:** N/R  
**Deadline:** November 23, 2009; June 23, 2010; November 23, 2010; June 23, 2011; November 23, 2011  
**To learn more:**  
**Key Words:** Cancer, Disparities, Epidemiology

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**Small Grants Program for Cancer Epidemiology (R03)**

PAR-08-237  
National Cancer Institute (NCI)

This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), encourages the submission of Small Research Grant (R03) applications for research on cancer etiology and epidemiology. The overarching goal of this FOA is to provide support for pilot projects, testing of new techniques, secondary analyses of existing data, development and validation of measurement methods, linkage of genetic polymorphisms with other variables related to cancer risk, and development of innovative projects for more comprehensive research in cancer etiology and epidemiology.

**Amount:** varies  
**LOI:** N/R  
**Deadline:** November 19, 2009; March 19, 2010; July 23, 2010; November 19, 2010; March 18, 2011; July 22, 2011; November 18, 2011  
**To learn more:**  
**Key Words:**

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**Understanding the Effects of Emerging Cellular, Molecular, and Genomic Technologies on Cancer Health Care Delivery**

[(R01) PA-09-004] and [(R21) PA-09-005]  
PA-09-004 and PA-09-005  
National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), National Institutes of Health (NIH), invites grant applications for health services research that address the utilization of emerging cellular, molecular, and genetic or genomic (CMG) technologies in cancer care. The studies will assess CMG technologies in relation to: (a) quality of care; (b) organizational barriers and change factors in utilization; (c) cost and cost-effectiveness; (d) disparities in access and efficacy; (e) monitoring of cross-sectional patterns of care and time trends; (f) impact on existing standards of care; and (g) influence on cancer outcomes such as incidence, progression, mortality, survival, and quality of life. This FOA specifically encourages research on commercially available CMG clinical tools already in use, as well as experimental tools in the later stages of development and/or in the regulatory approval pipeline. The funding opportunity also encourages interdisciplinary collaborations between health services researchers and those in the clinical and/or translational sciences.

**Amount:** varies  
**LOI:** N/R  
**Deadline:** standard dates apply  
**To learn more:**  
Cancer Intervention and Surveillance Modeling Network (CISNET) (U01)
RFA-CA-09-025
National Cancer Institute (NCI)
Through this funding opportunity announcement (FOA), the National Cancer Institute (NCI) solicits applications for the Cancer Intervention and Surveillance Modeling Network (CISNET). The goal of CISNET is to use simulation and other modeling techniques (a) to understand the impact of cancer control interventions (i.e., screening, treatment, prevention) on national trends in cancer rates, and (b) to inform national/regional/local decisions on the most efficient utilization of existing and emerging technologies and strategies for the control of cancer. This FOA expands CISNET efforts focused on four cancer sites (prostate, lung, colorectal, breast) and will also cover two additional sites (cervical and esophageal cancer). Expansion into new areas of modeling (identified in the FOA) is also encouraged. This FOA will support collaborative, interactive projects involving groups of researchers that would put forward a program of comparative modeling, as well as to allow coverage across the important cancer control issues and relevant specific focus areas for the selected organ site. Investigators may propose the application, extension, and/or merging of existing models. However, de novo model development will NOT be supported. Because of the requirement of conducting cross-model comparisons (i.e. comparative modeling) and coverage of a broad range of cancer control issues, it is expected that each award will support between approximately 2 and 5 modeling groups working together. This FOA is an open competition for all qualified investigators, irrespective of their previous involvement in the CISNET program.
Amount: $6,500,000
LOI: October 3, 2009
Deadline: November 3, 2009
Key Words: Cancer Modeling, Cross-Model Comparisons, Cancer Control

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

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/](http://www.maydayfund.org/)
Key Words: Pain, Pain Alleviation

Health Effects of Air Pollution
RFPA 08-3
Health Effects Institute
RFPA 08-3 provides a mechanism for investigators whose area of interest falls outside of the current RFAs but is compatible with the HEI research program and mission.
Amount: unspecified
LOI: N/R
Deadline: Fall 2009 date to be determined.
To learn more: [http://www.healtheffects.org/RFA/RFA2008.htm#RFA08-2](http://www.healtheffects.org/RFA/RFA2008.htm#RFA08-2)
Key Words: Air Pollution, Environmental Health Contaminants
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
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-207.html
Key Words: Chronic Disease, Rehabilitation, Conferences

Community-Based Partnerships for Childhood Obesity Prevention and Control: Research to Inform Policy (R03) and (R21)
PA-09-140 and PA-09-141
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Cancer Institute (NCI)
National Heart, Lung, and Blood Institute (NHLBI)
Office of Behavioral and Social Sciences Research (OBSSR)

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

Population Research Infrastructure Program (PRIP) FY10 (R24)
RFA-HD-09-004
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

This Funding Opportunity Announcement (FOA) solicits grant applications that propose to provide infrastructure support in order to foster and enhance the research capabilities of established population research centers that are highly productive and influential in the areas of research within the mission of the Demographic and Behavioral Sciences Branch (DBSB), Center for Population Research NICHD. The Population Infrastructure Program (PRIP) allows three types of research infrastructure support: Research Support Cores; Developmental Infrastructure Cores; and Public Infrastructure Cores. This FOA allows for two types of applications: (1) Standard PRIP Applications, which request funding for Research Support Cores and/or Developmental Infrastructure Cores, and may also request funding for Public Infrastructure Cores; and (2) Public Infrastructure Only Applications, which request funding only for Public Infrastructure Core(s).

Amount: $3,750,000
LOI: October 24, 2009
Deadline: November 24, 2009
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-09-004.html
Key Words: Population Research

Research on Teen Dating Violence (R01) and (R21)
PA-09-169 and PA-09-170
This Funding Opportunity Announcement (FOA) encourages investigator-initiated research grant applications from institutions/or
ganizations 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

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)
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 paper 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

Dental School Joint DDS or DMD/Master's Degree NRSA Research Training Program (T32)
PAR-07-332
Department of Health and Human Services (HHS)
National Institutes of Health (NIH)
National Institute of Dental and Craniofacial Research (NIDCR)
The purpose of this FOA is to solicit grant applications from dental schools that propose to develop a joint DDS or DMD/Master's
degree training program. The Master's degree must be in clinical/behavioral research or in public health (MPH). The goal of this
initiative is to make research training an integral component of the dental school environment and encourage more dental students to pursue academic research careers by providing an opportunity to gain research experience.

Amount: $125,000
LOI: N/R
Deadline: Sep 25, 2009
Key Words: Dental Health, Dental Hygiene, Dentistry, Public Health

Centers for Agricultural Disease and Injury Research, Education, and Prevention (U50)
PAR-06-057
Department of Health and Human Services (HHS)
Centers for Disease Control and Prevention (CDC)
National Institute for Occupational Safety and Health (NIOSH)
The National Institute for Occupational Safety and Health (NIOSH) is interested in receiving Center (U50) cooperative agreement applications that address the etiology and prevention of injuries resulting from production agriculture/forestry/fishing. The purpose of this cooperative agreement program is to strengthen the occupational and public health infrastructure by building on more than a decade of agricultural center accomplishments aimed at integrating resources for occupational safety and health research and public health prevention programs at the state and local levels. Applications should address the risks from agriculture activities through research, prevention/intervention, and education projects that as a whole address problems in a synergistic manner resulting in a measurable impact on agriculture related injuries and diseases. Center activities should be designed to integrate research, education, and prevention projects that address unique problems of agriculture in the geographic region served as well as nationally.

Amount: $4,800,000
LOI: Non-required letters of intent are due October 30 each year.
Deadline: Applications are due November 30 each year.
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-06-057.html
Key Words: Agriculture, Injury Prevention, Occupational Health and Safety, Public Health

AHRQ Small Research Grant Program (R03)
PAR-06-448
Department of Health and Human Services (HHS)
Agency for Healthcare Research and Quality (AHRQ)
This FOA issued by the 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: $100,00
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-06-448.html
Key Words: Health Care

Understanding and Promoting Health Literacy
[(R21)PAR-07-018] and [(R03)PAR-07-019] or [(R01)PAR-07-020]
PAR-07-018 and PAR-07-019 or PAR-07-020
Department of Health and Human Services (HHS)
The ultimate goal of this program announcement is to encourage empirical research on health literacy concepts, theory, and interventions as these relate to the U.S. Department of Health and Human Services' public health priorities that are outlined in its Healthier US and Healthy People 2010 initiatives. Health literacy is defined as the degree to which individuals have the capacity to obtain, process, and understand basic health information and services needed to make appropriate health decisions. The research must involve at least one of the following: health literacy, or one of its many components, as a key outcome; health literacy as a key explanatory variable for some other outcome; methodological or technological improvement to strengthen research on health literacy; or prevention or intervention strategies that focus on health literacy.

Amount: varies
LOI: Nonrequired letters of intent are due by December 24, 2009.
Deadline: Jan 25, 2010
Key Words: Health and Safety Education
Children, Youth, and Families at-Risk (CYFAR) Sustainable Community Projects
USDA-CSREES-SLBCD-002524
Cooperative State Research, Education, And Extension Service;
U.S. Department Of Agriculture (USDA)
The purpose of SCP funding is to improve the quality and quantity of comprehensive community-based programs for at-risk children, youth, and families supported by the Cooperative Extension System. Collaboration across disciplines, program areas, and geographic lines, as well a holistic approach that views the individual in the context of the family and community, are central to Sustainable Community Projects.
The CYFAR SCP has two strategic objectives:
1. To support community educational programs for at-risk children, youth, and families which are based on locally identified needs, soundly grounded in research, and which lead to the accomplishment of one of four CYFAR National Outcomes (see full announcement); and
2. To integrate CYFAR programming into ongoing Extension programs for children, youth, and families – insuring that at-risk, low income children, youth, and families continue to be part of Extension/4-H programs and have access to resources and educational opportunities.
Amount: unspecified
LOI: N/R
Deadline: 23-Oct-09
To learn more: http://www.csrees.usda.gov/funding/rfas/cyfar_scp.html
Key Words: Community Programs, at-risk Children, Youth and Families

Career Development Grants in Occupational Safety and Health
PAR-08-070
Centers for Disease Control and Prevention (CDC)
The National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC) invite grant applications for research career development related to occupational safety and health. The goal of the NIOSH research program is to support research that is relevant and of high quality, and will have an impact in reducing occupational disease and injury. This program is intended to contribute to this goal by facilitating the preparation of the next generation of occupational safety and health researchers.
Amount: $300,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&oppId=47231
Key Words: Occupational Health and Safety, Training

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)  
Key Words: Occupational Health

Grand Challenges Explorations Round 4

Bill & Melinda Gates Foundation  
Guided by the belief that every life has equal value, the Bill & Melinda Gates Foundation works to help all people lead healthy, productive lives. In developing countries, it focuses on improving people's health and giving them the chance to lift themselves out of hunger and extreme poverty. In the United States, it seeks to ensure that all people - especially those with the fewest resources - have access to the opportunities they need to succeed in school and life.  
Topics for Round 4 are:  
Create New Technologies for Contraception  
Create New Ways to Induce and Measure Mucosal Immunity  
Create Low-Cost Diagnostics for Priority Global Health Conditions  
Create New Ways to Protect Against Infectious Disease.  
Amount: $100,000  
LOI: N/R  
Deadline: November 2, 2009  
To learn more: [http://www.grandchallenges.org/Explorations/Pages/ApplicationInstructions.aspx](http://www.grandchallenges.org/Explorations/Pages/ApplicationInstructions.aspx)  
Key Words: Diagnostics, Infectious Disease Prevention, Mucosal Immunity

Research Interests of the Air Force Office of Scientific Research

AFOSR-BAA-2009-1  
Air Force Office of Scientific Research  
AFOSR plans, coordinates, and executes the Air Force Research Laboratory’s (AFRL) basic research program in response to technical guidance from AFRL and requirements of the Air Force; fosters, supports, and conducts research within Air Force, university, and industry laboratories; and ensures transition of research results to support USAF needs. The focus of AFOSR is on research areas that offer significant and comprehensive benefits to our national warfighting and peacekeeping capabilities. These areas are organized and managed in three scientific directorates: Aerospace, Chemical and Material Sciences (NA), Physics and Electronics (NE), and Mathematics, Information and Life Sciences (NL). The research activities managed within each directorate are summarized within this BAA. AFOSR solicits proposals for basic research through this general Broad Agency Announcement (BAA). This BAA outlines the Air Force Defense Research Sciences Program. AFOSR invites proposals for research in many broad areas. These areas are described in detail in Section I, Funding Opportunity Description. AFOSR is seeking unclassified, fundamental research white papers and proposals that do not contain proprietary information. Life Science Areas include:  
Mathematical Modeling of Cognition and Decision  
Collective Behavior and Socio-Cultural Modeling  
Amount: $750,000  
LOI: N/R  
Deadline: Open  
Key Words: Cognition, Behavioral Influences

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 Grant Program for Conference Support (R13)

PA-09-231  
Agency for Healthcare Research and Quality (AHRQ)
The Agency for Healthcare Research and Quality (AHRQ), announces its continued interest in supporting conferences through its Small Grant Program for Conference Support. AHRQ seeks to support conferences that help to further its mission to improve the quality, safety, efficiency, and effectiveness of health care for all Americans. The types of conferences eligible for support include: 1) Research development - conferences where issues or challenges in the practice and delivery of health care are defined and a research agenda or strategy for studying them is developed; 2) Research design and methodology - conferences where methodological and technical issues of major importance in the field of health services research are addressed or new designs and methodologies are developed; 3) Dissemination and implementation conferences - where research findings and evidence-based information and tools are summarized, communicated and used by organizations and individuals that have the capability to use the information to improve the outcomes, quality, access to, and cost and utilization of health care services; and/or, 4) Research training, infrastructure and career development - conferences where faculty, trainees and students are brought together with stakeholders to develop, share or disseminate research products, experiences, curricula, syllabi, training competencies. AHRQ is especially interested in supporting conferences that demonstrate strategies that include plans for disseminating complimentary conference materials and products beyond the participants attending the event. Such strategies might include, but are not limited to, submitting articles for publication, posting information on a Web site, and seeking formal opportunities to discuss conference information with others.

Amount:  $50,000
LOI:  N/R
Deadline:  October 20, December 21; In 2010: February 22, April 20, June 21, August 20, October 20, December, 20; In 2011: February 22, April 20, August 22, October 20, December 20; In 2012: February 21, April 20, June 20, August 20, and October 22
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PA-09-231.html
Key Words:  Conferences, Health Care

AHRQ Grant Program for Large or Recurring Conferences (R13)
PAR-09-257
Agency for Healthcare Research and Quality (AHRQ)
The Agency for Healthcare Research and Quality (AHRQ), announces its continued interest in supporting conferences through its Large or Recurring Grant Program for Conference Support. AHRQ seeks to support conferences that help to further its mission to improve the quality, safety, efficiency, and effectiveness of health care for all Americans. The types of conferences eligible for support include: 1) Research development - conferences where issues or challenges in the practice and delivery of health care are defined and a research agenda or strategy for studying them is developed; 2) Research design and methodology - conferences where methodological and technical issues of major importance to the field of health services research are addressed or new designs and methodologies are developed; 3) Dissemination and implementation - conferences where research findings and evidence-based information and tools are summarized, communicated and used by organizations and individuals that have the capability to use the information to improve the outcomes, quality, access to, and cost and utilization of health care services; and/or, 4) Research training, infrastructure and career development - conferences where faculty, trainees and students are brought together with stakeholders to develop, share or disseminate research products, experiences, curricula, syllabi, or training competencies.

Amount:  $300,000
LOI:  N/R
Deadline:  Standard dates apply
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PAR-09-257.html
Key Words:  Conferences, Health Care

AHRQ Health Services Research Demonstration and Dissemination Grants (R18)
PA-09-071
Agency for Healthcare Research and Quality (AHRQ)
This Funding Opportunity Announcement (FOA) solicits Large Research Demonstration and Dissemination (R18) Projects, and expresses AHRQ portfolio priority areas of interest for these ongoing, extramural grants.

Amount:  $500,000
LOI:  N/R
Deadline:  Standard dates apply
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PA-09-071.html
Key Words:  Healthcare Delivery, Healthcare Costs, Healthcare Waste

AHRQ 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
Researching Implementation and Change while Improving Quality (R18)
PAR-08-136
Agency for Healthcare Research and Quality
The Agency for Healthcare Research and Quality (AHRQ) announces the Agency’s interest in supporting grants to rigorously study the implementation of quality improvement strategies and provide generalizable scientific findings about the implementation of the quality improvement strategy, related organizational changes, and their impact. There is increasing evidence that success in achieving quality improvement goals is at least partially attributable to implementation processes and contexts and not just to the nature of the quality improvement strategy. The research funded through this announcement may be conducted by the team designing/implementing the quality improvement strategy or it may be conducted by a separate team. The quality improvement strategy must be one that is expected to result in major improvements in health care delivery that will enhance patient outcomes. Research design and execution will yield results providing AHRQ, providers, patients, payers, policymakers, and the public with contextual details and high level of confidence about what works and what doesn’t in improving health care in the United States.
Amount: varies but will not exceed $300,000 annually
LOI: N/R
Deadline: standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-136.html
Key Words: 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
Key Words:

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

Regenerative Medicine/Transplantation
Lung Transplantation: Planning Grants for Clinical Trials of Novel Therapies (R34)
New
RFA-HL-10-016
National Heart, Lung, and Blood Institute (NHLBI)
The National Heart, Lung, and Blood Institute (NHLBI) invites applications to support the initial organization, protocol development, and necessary preliminary studies critical for the design of robust clinical trials in lung transplantation. This Funding Opportunity Announcement (FOA) should be used to position investigators or groups of investigators to develop competitive clinical trials to test important new strategies to enhance the quality of lungs available for transplant and improve management and long term outcomes of
lung transplant recipients. This may include assembling a research team, consisting of a principal clinical site and having several collaborating ancillary sites, defining and prioritizing research questions, collecting information on the feasibility of the therapy and patient availability, and developing protocol(s). Applications must demonstrate that the proposed work is both necessary and sufficient to permit proceeding to the design of important clinical trial(s). During the evaluation of applications in response to this FOA, the review group will also consider the significance and potential impact of the full-scale clinical trial(s) that would be proposed following the R34 award period. Of most importance, the NHLBI anticipates that the R34 award period will yield competitive investigator-initiated clinical trial grant applications that evaluate interventions for the treatment of complications during and after lung transplantation.

Amount: $900,000
LOI: January 4, 2010
Deadline: February 3, 2010

Key Words: Lung Transplant, Clinical Trials

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: Stem Cells, Embryonic, Non-Embryonic

Silvio O. Conte Digestive Diseases Research Core Centers (P30)
RFA-DK-09-005
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 applications for Silvio O. Conte Digestive Diseases Research Core Centers (DDRCCs). The DDRCCs are part of an integrated program of digestive and liver diseases research support provided by the NIDDK. 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 digestive and/or liver diseases and their complications.

Amount: $3,750,000
LOI: October 12, 2009
Deadline: November 9, 2009

Key Words: Liver Disease, Digestive Disease

HLA Region Genomics in Immune-Mediated Diseases (U01, U19)
RFA-AI-09-030
National Institute of Allergy and Infectious Diseases (NIAID)
National Institute of Neurological Disorders and Stroke (NINDS)
The National Institute of Allergy and Infectious Diseases (NIAID) and the National Institute of Neurological Disorders and Stroke (NINDS) invite new and renewal applications from institutions to participate in the HLA Region Genomics in Immune-Mediated Diseases Consortium (HLAGC), a cooperative research group whose goals are to define the association between variations in the human leukocyte antigen (HLA) and natural killer cell immunoglobulin-like receptor (KIR) genetic regions and immune-mediated diseases, including autoimmune diseases, primary immunodeficiencies, graft-versus-host disease (GVHD), and graft rejection in organ, tissue, and cell transplantation.

Amount: $6,000,000
LOI: October 19, 2009
Deadline: November 19, 2009

Key Words: Immune-Mediated Diseases, NK Cells, HLA, Graft versus Host Disease (GVHD)
Ancillary Studies in Immunomodulation Clinical Trials (R01)
RFA-AI-08-011
National Institute of Allergy and Infectious Diseases (NIAID)
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)
National Institute of Neurological Disorders and Stroke (NINDS)
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
This FOA invites R01 applications for mechanistic studies in clinical trials of: (1) immunomodulatory interventions for immune system mediated diseases, including, but not limited to: asthma and allergic diseases; graft rejection in solid organ, cell, and tissue transplantation; graft versus host disease in hematopoietic stem cell transplantation; and chronic inflammatory, autoimmune, and immunodeficiency diseases; and (2) preventative and therapeutic, vaccines for non-HIV/AIDS infectious diseases, including NIAID Category A, B, and C agents of bioterrorism and emerging/re-emerging infectious diseases. This FOA is a renewal with modifications of RFA AI-05-028 (http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-05-028.html). In order to review and confer awards to grant applications received in response to this FOA in a timely fashion, without delay of the parent clinical trial, applications submitted in response to the FOA will be subject to an accelerated review/award process. Highly meritorious applications selected for funding under this FOA may receive their awards as early as thirteen weeks after the application receipt date. Holidays and other circumstances may alter this schedule slightly.
Amount: $1,000,000
LOI: Thirty days prior to application receipt date
Deadline: MONTHLY on the ninth of each month
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-08-011.html
Key Words: Immunomodulation, Graft Rejection, Immune System

Non-Human Primate Heart/Lung Transplantation Tolerance (U01, U19)
RFA-AI-09-041
National Institute of Allergy and Infectious Diseases (NIAID)
The National Institute of Allergy and Infectious Diseases (NIAID) invites new or competing renewal applications from institutions to participate in the heart and lung models portion of the Non-Human Primate Transplantation Tolerance Cooperative Study Group (NHPCSG) program. The NHPCSG is a multi-center, cooperative program for research on non-human primate (NHP) models of kidney, islet, heart, and lung transplantation. The NHPCSG was established in 1999 to evaluate preclinical safety and efficacy of existing and newly developed immune tolerance induction regimens and to elucidate the underlying mechanisms of the induction, maintenance, and/or loss of tolerance in these models. The long-range goal of this program is to develop and evaluate tolerance-induction regimens that will result in enhanced long-term graft survival in clinical transplantation. The purpose of this FOA is to renew the NHP heart and lung transplantation models portion of the NHPCSG program.
Amount: $5,500,000
LOI: November 17, 2009
Deadline: December 17, 2009
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-041.html
Key Words: Transplantation Tolerance

Immunobiology of Xenotransplantation (U01, U19)
RFA-AI-09-035
National Institute of Allergy and Infectious Diseases (NIAID)
The National Institute of Allergy and Infectious Diseases (NIAID) invites new or renewal applications to participate in the Immunobiology of Xenotransplantation Cooperative Research Program (IXCRP) for the development of pre-clinical porcine to non-human primate (NHP) models of islet, kidney, heart, lung, or liver xenotransplantation. The goals of this program are to: (1) delineate the cellular and molecular mechanisms of xenograft rejection and the induction of tolerance; (2) develop effective strategies to improve xenograft survival; and (3) characterize the physiological compatibility/limitations of xenografts. The long-term goal of this program is to develop novel and effective strategies for application of xenotransplantation in the clinic.
Amount: varies
LOI: November 2, 2009
Deadline: December 2, 2009
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-035.html
Key Words: Xenotransplantation, Porcine, Islet, Kidney, Liver, Heart, Lung, Graft Rejection, Xenografts

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

Stem Cells and Cancer (R21)
PA-08-165
National Cancer Institute
National Institute on Aging
This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), and the National Institute on Aging (NIA),
encourages research in all aspects of tumor stem cell biology, including the molecular and biochemical regulation of embryonic and
adult stem cell behavior relevant to tumor formation. This FOA intends to stimulate efforts on isolation and characterization of tumor
stem cells from a large spectrum of tumors. In addition, more research is encouraged to understand the genetic and biochemical
regulatory mechanisms that control the self-renewal phenotype, asymmetric cell division, and the stem cell microenvironment (or
“niche”).

Amount: $275,000 over a 2-year period
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-08-165.html
Key Words: Cancer, Stem Cells, Tumor Cells

Biomarkers for Early Detection of Hematopoietic Malignancies (R01) and (R21)
PA-09-197 and PA-09-198
National Cancer Institute (NCI)
This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages research grant applications
from institutions/organizations for the development and validation of biomarkers for: a) early detection, prediction of progression, and
recurrence of hematopoietic malignancies, especially in high-risk individuals; and, b) for risk assessment of primary and secondary
hematopoietic malignancies. This FOA is also encourages the development and improvement of specific technologies and methods for
quantitative detection of novel biomarkers associated with hematopoietic malignancies.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Hematopoietic Cancers, Biomarkers

Skin

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
American Skin Association Announces 2010 Requests for Research Proposals
American Skin Association
The American Skin Association, a nonprofit organization dedicated to saving lives and alleviating human suffering caused by the full spectrum of skin disorders and cancer through research, education, and prevention, is seeking proposals for its 2010 grant cycle.
Amount: varies  
LOI: N/R  
Deadline: Multiple dates; see program announcement  
To learn more: http://www.americanskin.org/  
Key Words: Skin Disorders, Melanoma, Psoriasis/Inflammatory Diseases, Vitiligo/Pigment Cell Biology, and Childhood Diseases

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

Biological Systems Research on the Role of Microbial Communities in Carbon Cycling
DE-PS02-09ER09-25  
U.S. Department of Energy (DOE)  
In this Funding Opportunity Announcement (FOA), applications are solicited for: i.) Systems-level studies on regulatory and metabolic networks of microbes and microbial consortia involved in biogeochemical cycling of carbon, ii.) Development of metatranscriptomic, metaproteomic, and other genome-enabled approaches to understand how shifts in environmental variables impact microbially-mediated carbon cycling processes in terrestrial ecosystems, and iii.) Development of methods and techniques for imaging and analysis of microbially-mediated carbon cycling processes in terrestrial ecosystems.  
Amount: unspecified  
LOI: August 25, 2009  
Deadline: November 9, 2009  
To learn more: http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&opplid=48292  
Key Words: Microbes, Biogeochemical Cycling, Metaproteomics, Metatranscriptomic

SBS Awards
Society for Biomolecular Screening (SBS)  
The Society for Biomolecular Sciences supports an award of $5,000 made at least every three years, to recognize outstanding achievements in research, innovation, ground breaking foundation, or seminal contributions that have proven to be broadly applicable to biomolecular screening or pharmaceutical/ agricultural lead discovery. Furthermore, the award seeks to recognize those who have distinguished themselves within the scope of the society's mission. Independence of thought, originality of approach, clarity of vision, and a consistent record of achievement are important criteria. Quality and depth rather than the number of contributions shall be emphasized.  
The Society for Biomolecular Sciences supports annual awards of $1,000 to recognize a member for a significant technical accomplishment, exceeding a benchmark or milestone in screening or the lead discovery process, or an innovative and integrated use of mature technologies. More than one award may be conferred annually.  
Amount: $5,000  
LOI: N/R  
Deadline: Continuous  
To learn more: http://www.sbsonline.org/awards/  
Key Words: Biomolecules, Proteomics
Physiological and Structural Systems
PD 07-1141
NSF
The Physiological and Structural Systems Cluster supports research aimed at furthering the understanding of organisms as integrated units of biological organization. The Cluster considers proposals focused on interacting physiological and structural systems, their environmental and evolutionary contexts, and how these components are constrained by their integration into the whole organism. Projects that use systems approaches to understand why particular patterns of architecture and regulatory control have emerged as general organismal properties are particularly encouraged. Understanding how and why emergent organismal properties such as robustness, adaptability and resilience arise in the context of environmental, genetic, biochemical and morphological variation are of interest. The Cluster encourages model building to augment traditional experimental approaches in order to guide research on complex functional networks. Multidisciplinary approaches to the study of organismal systems including research at the interfaces of biology, physics, chemistry, mathematics, computer science and engineering are encouraged.
Amount: $140,000
LOI: N/R
Deadline: January 12; July 12; Annually
To learn more: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501090
Key Words: Physiology, Structural Systems, Integrated Physiology

Solicitation of Assays for High Throughput Screening (HTS) in the Molecular Libraries Probe Production Centers Network (MLPCN) (R03)
PAR-08-035
NIH Roadmap Initiative
The NIH Molecular Libraries Roadmap Initiative wishes to solicit HTS assay applications from the scientific community from investigators who have the interest and capability to work with the Molecular Libraries Probe Production Centers Network (MLPCN) in support of chemical probe development. This FOA promotes discovery and development of new chemical probes as research tools for use by scientists in both the public and private sector to advance the understanding of biological functions and disease mechanisms. This initiative is one of the integrated components of the NIH Molecular Libraries Roadmap initiative that offers biomedical researchers access to large-scale automated high throughput screening (HTS) centers in the MLPCN, diverse compound libraries in the Small Molecule Repository (MSLMR) and information on biological activities of small molecules in the PubChem BioAssay public database.
Amount: $25,000
LOI: Dec. 26, 2009; Apr. 26, 2010; and Aug. 24, 2010
Deadline: Jan. 26, 2010; 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:
Cellular Systems Cluster
PD 04-1114
National Science Foundation (NSF)
The Cellular Systems Cluster, one of three thematic areas within the Division of Molecular and Cellular Biosciences, supports research, across all taxa, into the structure and organization of cells and the dynamics of cellular processes. Cell Biology is at a juncture where powerful new techniques in microscopy and biophysics (including live cell imaging, and the ability to study molecular function and behavior in the cell at high resolution, down to the single molecule level) are advancing rapidly. At the same time, modeling and computational approaches have developed to the point where they can, in concert with accurate and informative experimental datasets, generate predictive models that can be tested experimentally. The Cellular Systems cluster is interested not only in traditional areas of cell biology (such as the organization, function, and dynamics of membranes, organelles and other subcellular compartments, and intracellular and transmembrane signal transduction mechanisms and cell-cell signaling processes) but also in the development of quantitative, theory-driven approaches to cell biology that integrate experimental studies at the molecular genetic, biochemical, biophysical, transcriptomic and proteomic levels. Network theory (e.g., as applied to signal transduction) and molecular dynamic modeling (e.g., as applied to the structure/function relationships of cellular structures) are also of particular interest. While proposals using approaches and model systems traditional in the field of cell biology are welcome, studies focused on novel, unique approaches and on non-traditional model organisms are encouraged.
Amount: unspecified
LOI: N/R
Deadline: July 12, 2009 and January 12, 2010
To learn more: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12772
Key Words: Cell Biology

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

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

Biosignature Discovery for Personalized Treatment in Depression (U01)
RFA-MH-10-040
National Institute of Mental Health (NIMH)
The purpose of this initiative is to support exploratory research to discover panels of promising biomarkers (i.e., biosignatures) that are predictive of treatment outcomes in major depressive disorder.
Amount: $24,000,000
LOI: December 14, 2009
Deadline: January 13, 2010
Key Words: Biomarkers, Major Depressive Disorder

Structural Biology of Membrane Proteins (R01)
PA-07-253
National Institute of General Medical Sciences (NIGMS)
National Institute on Aging (NIA)
National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)
National Cancer Institute (NCI)
National Institute on Deafness and Other Communication Disorders (NIDCD)

This Funding Opportunity Announcement (FOA) solicits grant applications to develop research and methods to enhance the rate of membrane protein structure determination and to determine specific membrane protein structures. Innovative methods for expression, oligomerization, solubilization, stabilization, purification, characterization, crystallization, isotopic labeling, and structure determination of unique and biologically significant membrane proteins by x-ray diffraction, nuclear magnetic resonance (NMR), electron microscopic, mass spectrometry, and other biophysical techniques are encouraged. Projects that will lead in the near term to determining the structures of biologically important membrane proteins are also encouraged.

Amount: varies
LOI: N/R
Deadline: Standard dates apply
Key Words: Membrane Protein Structure, Crystallization, X-ray Diffraction, NMR, Mass Spectrometry

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

Consortia for High-Throughput-Enabled Structural Biology Partnerships (U01)
RFA-GM-10-007
National Institute of General Medical Sciences (NIGMS)

This FOA solicits proposals to establish partnerships between researchers interested in a biological problem of significant scope and researchers providing high-throughput structure determination capabilities through the NIGMS PSI: Biology network. Applicants to this FOA should propose work to solve a substantial biological problem for which the determination of many protein structures is necessary. The proteins should be amenable to high-throughput structure determination and/or should provide suitable targets to motivate new technology development.

Amount: $7,500,000
LOI: September 28, 2009
Deadline: October 28, 2009
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-10-007.html
NIGMS National Centers for Systems Biology (P50)
PAR-09-258
The National Institute of General Medical Sciences invites grant applications from institutions/organizations proposing to establish Centers of Excellence in Systems Biology. The goal of this initiative is to promote institutional development of pioneering research, research training, and outreach programs focused on systems-level inquiries of biomedical and biobehavioral questions within the NIGMS mission. The description of the NIGMS mission can be found on the website, www.nigms.nih.gov.
Amount: $10,000,000
LOI: September 28, 2009; September 28, 2010; September 28, 2011
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-258.html
Key Words: Systems Biology

Innovation in Molecular Imaging Probes (R01)
PAR-09-016
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; December 21, 2011; April 20, 2011; August 21, 2011
Deadline: January 21, 2010; 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

The Biology of Estrogen Receptor-Negative Breast Cancer in Various Racial and Ethnic Groups (U01)
RFA-CA-09-026
This initiative will support studies on: the basic biology of ER-negative breast cancers and delineation of differences that exist between ER-positive and ER-negative breast cancers; the identification of the subtypes or heterogeneity that exist within ER-negative breast cancers; and the determination of whether the biology of ER-negative breast tumors differs across racial and ethnic groups. In order to address these goals, the National Cancer Institute (NCI) solicits applications from collaborative teams of interdisciplinary investigators focused on characterizing the biologic drivers, including genetic, epigenetic, molecular, and cellular factors, of ER-negative human breast cancer development and progression.
Amount: $3,335,000
LOI: December 5, 2009
Deadline: January 5, 2010
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-09-026.html
Key Words: ER-Negative Breast Cancer
The Barth Syndrome Foundation, a nonprofit organization that strives to save lives through education, advances in treatment, and pursuit of a cure for Barth syndrome, has announced the availability of funding for research internationally on the natural history, biochemical basis, and treatment of Barth syndrome.

Amount: $40,000
LOI: N/R
Deadline: October 31, 2009
To learn more: http://www.barthsyndrome.org/english/View.asp?x=1635

Key Words: Cardiomyopathy, Neutropenia, Skeletal Muscle Weakness, Exercise Intolerance, Growth Delay, and Diverse Biochemical Abnormalities (including defects in mitochondrial metabolism and phospholipid biosynthesis), Bath Syndrome, X-Linked Diseases

2010 ADDF/LBDA Lewy Body Dementia Biomarker Research Award"

Alzheimer's Drug Discovery Foundation
The Alzheimer’s Drug Discovery Foundation (ADDF) and The Lewy Body Dementia Association (LBDA) are issuing a Request for Proposals for the 2010 ADDF/LBDA Lewy Body Dementia Biomarker Research Award. This award will provide $100,000 for one year of support to catalyze a research project focused on developing innovative biomarkers that aid in early diagnosis, detection and disease monitoring of Lewy Body Dementia.

Amount: $100,000
LOI: N/R
Deadline: November 1, 2009
To learn more: http://www.alzdiscovery.org/index.php/research-programs/grant-opportunities

Key Words: LBDA, Lewy Body, Dementia, Neurodegeneration, Biomarkers

Therapies and Therapeutics

Neurotrophic Factor Therapies Research

New

Michael J. Fox Foundation for Parkinson's Research (MJFF)
The funding program is designed to identify and drive ambitious projects with a clear plan for accelerating trophic factor therapy through the stages of preclinical and clinical development up to and including Phase Two clinical studies. Also of interest are therapeutic approaches that include evidence that the trophic factor being studied holds potential for neuroregeneration (helping the brain rejuvenate sick cells) and not merely neuroprotection (protecting existing neurons from death).

The program is open to both academic and industry researchers. Applicants may seek up to three years of funding for projects focused on accelerating the development of neurotrophic factor therapies.

Amount: unspecified
LOI: optional conference call October 13, 2009
Deadline: November 18, 2009
To learn more: http://www.michaeljfox.org/research_openFundingPrograms_program.cfm?ID=31

Key Words: Parkinson's Disease, Neurotrophic Factor Therapies

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
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAS-08-041.html

Key Words:

Lab to Marketplace: Tools for Brain and Behavioral Research (SBIR [R43/R44])
PA-08-071
NIH
The NIH Blueprint for Neuroscience Research is a framework to enhance cooperative activities among the NIH Office of the Director and 15 NIH Institutes and Centers that support research on the nervous system. This Funding Opportunity Announcement (FOA) is released in affiliation with the Neuroscience Blueprint, with Institutes and Centers participating independently, and with participation by Institutes and Centers that are not part of the Blueprint. This FOA encourages the translation of technologies for brain or behavioral research from academic and other non-small business research sectors to the marketplace. Solicited from Small Business Concerns (SBCs) are Small Business Innovation Research (SBIR) grant applications that propose to further develop, make more robust, and make more user-friendly such technologies in preparation for commercial dissemination. It is expected that this activity will require partnerships and close collaboration between the original developers of these technologies and SBCs, which may be accomplished in any of a number of ways, including the use of multiple principle investigators.

**Amount:** varies

**LOI:** N/R

**Deadline:** continuous, see listing


**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 (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


**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


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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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 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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**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
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)


**Key Words:** Neurological Disorders, Neurology, Neuroscience, Clinical translational

**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:** varies

**LOI:** N/R

**Deadline:** standard dates apply (May 25, and September 25. AIDS application submission dates are May 7, September 7, and January 7)


**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


**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


**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

Partnerships for Biodefense Food- and Water-borne Diseases (R01)
RFA-AI-09-027
National Institute of Allergy and Infectious Diseases (NIAID)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH) invites research applications for projects that support development of therapeutics, immunotherapeutics, medical diagnostics and broad-spectrum vaccines for NIAID Category B food- and water-borne priority pathogens and toxins.

Amount: varies
LOI: August 24, 2009
Deadline: September 23, 2009
Key Words: Food and Water Borne Pathogens

Highly Innovative Tactics to Interrupt Transmission of HIV (HIT-IT) (R01)
RFA-AI-09-037
National Institute of Allergy and Infectious Diseases (NIAID)
This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), solicits Research Project Grant (R01) applications from institutions/organizations that aim to stimulate the discovery, design and early preclinical evaluation of highly innovative, risky but rational approaches that could provide long-term protection from acquiring HIV infection. Recent setbacks in the vaccine and other biomedical prevention fields have raised several questions leading to increased interest for additional alternative track and untested outside-the-box approaches, highlighting the need for new and innovative paradigms for discovering and developing fresh prevention strategies. The proposed work is expected to explore novel hypotheses or address difficult problems, the solutions to which could have a significant impact on finding methods to interrupt HIV transmission. The research proposed is expected to focus on verifying a hypothesis or solving a problem for the field. The program is open to established and new investigators and does not require research expertise in the area of HIV prevention as a prerequisite for submitting an application.

Amount: $2,000,000
LOI: October 2, 2009
Deadline: November 3, 2009
Key Words: HIV Infection, Transmission

Recovery Act Limited Competition: Protection of Human Health by Immunology and Vaccines (U01, U19)
RFA-AI-09-040
National Institute of Allergy and Infectious Diseases (NIAID)
This NIH Funding Opportunity Announcement (FOA), supported by funds provided to the NIH under the American Recovery & Reinvestment Act of 2009 (“Recovery Act” or “ARRA”), Public Law 111-5, invites new applications from single domestic institutions, or
consortia of institutions, to participate in creating a network of human immunology profiling research groups. Applications are sought that propose to study human immune responses (1) following infection, (2) prior to and following vaccination against an infectious disease, or (3) prior to and following treatment with an immune adjuvant that targets a known innate immune receptor(s). The purpose of this FOA is to capitalize on recent advances in immune profiling to measure the diversity of human immune responses under a variety of conditions, using bioinformatic, multiplex, and/or systems biology approaches to study samples from well-characterized human cohorts and to measure aspects of the human transcriptome and/or proteome.

Amount: $20,000,000
LOI: September 15, 2009
Deadline: October 15, 2009
To learn more: http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-040.html
Key Words: Immune Responses

**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: December 28, 2009; April 28, 2010; August 28, 2010; December 28, 2010; April 30, 2011; August 28, 2011
Deadline: January 28, 2010; May 28, 2010; September 28, 2010; January 28, 2011; May 27, 2011; September 28, 2011
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-025.html
Key Words: Cancer, Cancer Biology, Clinical Translational Research

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

PA-08-143 and PA-08-144
National Cancer Institute
This funding opportunity announcement (FOA) encourages Research Project Grant (R01) applications that propose to develop and validate new mitochondrial-related biomarkers for cancer early detection, diagnosis, prognosis, risk assessment, and response to preventive and ameliorative treatments.

Amount: varies
LOI: N/R
Deadline: standard dates apply
Key Words:

**Pilot and Feasibility Awards**

**Research Grants**

LeRoy Matthews Physician/Scientist Award and the Harry Shwachman Clinical Investigator Award

Cystic Fibrosis Foundation Therapeutics, Inc. (CFFT)
The CF Foundation (CFF) offers competitive awards for research related to cystic fibrosis. Studies may be carried out at the subcellular, cellular, animal, or patient levels. Two of these funding mechanisms include Pilot and Feasibility Awards and Research Grants. Since these applications are reviewed by the CFF’s Research and Research Training Committee, those proposals that include methodologies requiring sampling of materials from human subjects will only be considered under this mechanism if the sampling method constitutes minimal patient risk (e.g., venipuncture) and patient samples or data are anonymous.

For applications where more invasive procedures are proposed or where patient samples or data will not be anonymous, please submit a Letter of Intent for a Clinical Research Award.

Also, the CF Foundation offers physician-scientist training awards, including the LeRoy Matthews Physician/Scientist Award and the Harry Shwachman Clinical Investigator Award.

Amount: varies
LOI: the CF Foundation will consider NIH applications that have received a competitive score but missed the payline under the CFF/NIH-unfunded award mechanism. These applications are accepted on an on-going basis.
Deadline: first Wednesday in September
To learn more: http://www.cff.org/research/ForResearchers/FundingOpportunities/ResearchGrants/
Key Words: Cystic Fibrosis
Training and Fellowships

RWJF New Careers in Nursing

New
The Robert Wood Johnson Foundation (RWJF)
The Robert Wood Johnson Foundation New Careers in Nursing is a scholarship program to help alleviate the nursing shortage and increase the diversity of nursing professionals. Through grants to schools of nursing, the program will provide scholarships to college graduates with degrees in other fields who are enrolled in accelerated baccalaureate and master’s degree nursing programs.
Amount: up to $300,000
LOI: October 21, 2009 and November 6, 2009 optional web conferences
Deadline: December 15, 2009
To learn more: [http://www.rwjf.org/applications/solicited/cfp.jsp?ID=20905](http://www.rwjf.org/applications/solicited/cfp.jsp?ID=20905)
Key Words: Nursing Scholarships

Summer Research Training in Aging for Medical Students (T35)

New
RFA-AG-10-007
National Institute on Aging
This program provides support for short-term research training for medical students in aging research.
Amount: up to $130,000
LOI: November 3, 2009
Deadline: December 3, 2009
Key Words: Medical Student Fellowships, Aging, Geriatrics

2010 Leadership in Aging Fellowship Program

New
Brookdale Foundation
The two-year fellowship is open to all professionals in the field of aging. Applications are sought from a broad range of related disciplines, including the medical, biological, and basic sciences; nursing; social sciences; and the arts and humanities.
Each candidate must demonstrate leadership potential, provide evidence of an ongoing commitment to a career in aging, have a mentor (or mentors) willing and able to provide meaningful professional guidance to the candidate, agree to commit at least 75 percent of his or her time for career development during each of the two years of the fellowship, and propose a project related to the field of aging that will contribute to his or her career development and leadership skills. Candidates should generally be between the first and tenth years of their graduate degree.
Amount: $250,000
LOI: N/R
Deadline: November 5, 2009
To learn more: [http://www.brookdalefoundation.org/Leadership/Fellows/fellows.html](http://www.brookdalefoundation.org/Leadership/Fellows/fellows.html)
Key Words: Aging, Geriatrics

Postdoctoral Fellowship Program in Eating Disorders Research

The Hilda and Preston Davis Foundation
The Hilda and Preston Davis Foundation is pleased to announce the 2010 cycle of its Postdoctoral Fellowship Program in Eating Disorders Research. By attracting young scientists to the field, each fellowship may lead to a lifetime career contribution to understanding the biological causes of eating disorders. The long term goal of the program is to accelerate medical research discoveries that will lead to improved therapies for anorexia nervosa and bulimia nervosa. The awards support postdoctoral fellows working in nonprofit academic or research institutions in the United States.
Research areas of interest include but are not limited to neural pathways of feeding behavior in animal models; molecular genetic analysis of relevant neural circuit assembly and function; testing of new chemical compounds that might be used in animal models as experimental treatments; and brain imaging technologies that identify neurochemical pathways in patients with these disorders. Clinical psychotherapeutic studies, medication trials and obesity research are currently outside the scope of this Program.
Amount: $195,000
LOI: N/R
Deadline: January 14, 2009
To learn more: http://www.hria.org/tmfservices/tmfgrants/davis.html
Key Words: Anorexia Nervosa, Bulimia nervosa, Brain Imaging

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
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-08-271.html
Key Words: Reproductive, Obstetric, Perinatal and Pediatric Epidemiology and Pharmacoepidemiology

Postdoctoral Fellowship (basic, translational, clinical) Research grants and Post-Baccalaureate Training in Disparities Research for the 2009-2010 Research Program.

Susan G. Komen Breast Cancer Foundation
Komen's commitment to supporting life-saving research has never been stronger. Building on 27 years of funding research to find the causes and cures of breast cancer, Komen continues its important new focus on research that will speed the translation of discoveries into reductions in breast cancer mortality and/or incidence within the next decade and on addressing disparities in breast cancer across populations.

Postdoctoral Fellowships – up to $180,000 over 3 years to expand the skills and expertise of breast cancer researchers and position trainees for independent careers in breast cancer research.
Post Baccalaureate Training in Disparities Research (PBTDR) – up to $135,000 per student over 3 years to support training for students very early in their career to allow them to begin to define meaningful career paths focused on disparities in breast cancer.

Amount: up to $180,000
LOI: October 1, 2009
Deadline: November 17, 2009
To learn more: http://ww5.komen.org/researchgrants/grantprograms.html?ecid=vanityurl:11
Key Words: Breast Cancer

The Sigma Xi Grants-in-Aid of Research (GIAR) program
Sigma Xi
National Academy of Sciences
The Sigma Xi Grants-in-Aid of Research (GIAR) program has been providing undergraduate and graduate students with valuable educational experiences for more than 80 years. The program awards grants of up to $1,000 to students from all areas of the sciences and engineering. Designated funds from the National Academy of Sciences allow for grants of up to $5,000 for astronomy research and $2,500 for vision related research.

Amount: $2,500
LOI: N/R
Deadline: October 15, 2009
To learn more: http://www.sigmaxi.org/programs/giar/index.shtml
Key Words: Vision Related

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](http://grants.nih.gov/grants/guide/pa-files/PAR-09-087.html)  
**Key Words:** Health Services Research

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**Ruth L. Kirschstein National Research Service Awards (NRSA) for Individual Senior Fellowships (F33)**  
**PA-09-211**  
**NIH multiple agencies**  
The National Institutes of Health (NIH) awards individual senior level research training fellowships to experienced scientists who wish to make major changes in the direction of their research careers or who wish to broaden their scientific background by acquiring new research capabilities as independent investigators in research fields relevant to the missions of participating NIH Institutes and Centers.

**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**To learn more:** [http://grants.nih.gov/grants/guide/pa-files/PA-09-211.html](http://grants.nih.gov/grants/guide/pa-files/PA-09-211.html)  
**Key Words:** Fellowships, Senior Fellows

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**Ruth L. Kirschstein National Research Service Awards (NRSA) for Individual Postdoctoral Fellows (F32)**  
**PA-09-210**  
**NIH multiple agencies**  
The purpose of this individual postdoctoral research training fellowship is to provide support to promising Fellowship Applicants with the potential to become productive, independent investigators in scientific health-related research fields relevant to the missions of participating NIH Institutes and Centers.

**Amount:** varies  
**LOI:** N/R  
**Deadline:** Standard dates apply  
**Key Words:** Fellowships, Post-doc

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**NIH Pathway to Independence (PI) Award (K99/R00)**  
**PA-07-297**  
**NIH**  
The primary goal of this pilot initiative is to facilitate receiving an R01 award earlier in a research career and to assist investigators in securing a stable research position during the critical transition stage of their career. The NIH Pathway to Independence Award will provide up to five years of support consisting of two phases. The initial mentored phase will provide support for salary and research expenses for up to two years for the most promising and exceptionally talented new investigators who have no more than five years of postdoctoral research training experience at the time of initial application or subsequent resubmission. This initial phase of mentored support will allow the candidate time to complete research, publish results, and bridge to an independent research position. As part of the application, the candidate must propose a research project that will also be pursued as an independent investigator during the second phase of the award.

**Amount:** up to $90,000 per year  
**LOI:** N/R  
**Deadline:** Multiple, see link.  
**Key Words:**

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**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
Nebraska EPSCoR First Awards

Nebraska EPSCoR has created a competitive FIRST AWARD grant program to help Nebraska early career faculty members to initiate their research programs. This program is funded by an NSF infrastructure grant to Nebraska EPSCoR. The FIRST AWARD grant is limited to $20,000 for one year with 100% matching requirement. Nebraska EPSCoR anticipates awarding approximately six grants. Each grantee is required to submit a CAREER grant proposal to NSF at the end of the award period.

Amount: $20,000
LOI: pre-proposals due October 19, 2009
Deadline: at invitation
To learn more: [link](http://epscor.unl.edu/rfps)
Key Words: NSF, CAREER grant

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: [link](http://grants.nih.gov/grants/guide/pa-files/PAR-08-047.html)
Key Words: Grad Fellowships

Graduate Research Fellowship Program (GRFP)

NSF-09-603

National Science Foundation (NSF)

The National Science Foundation aims to ensure the vitality of the human resource base of science, technology, engineering, and mathematics in the United States and to reinforce its diversity by offering approximately 1,654 graduate fellowships in this competition pending availability of funds. The Graduate Research Fellowship provides three years of support for graduate study leading to research-based master’s or doctoral degrees and is intended for students who are in the early stages of their graduate study. The Graduate Research Fellowship Program (GRFP) invests in graduate education for a cadre of diverse individuals who demonstrate their potential to successfully complete graduate degree programs in disciplines relevant to the mission of the National Science Foundation.

Amount: $121,500
LOI: N/R
Deadline: November 6, 2009
Key Words: Graduate Fellowships

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 multidisciplinary 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:** October 22, 2009; August 25, 2010 and fourth Wednesday in August Annually Thereafter


**Key Words:** Undergraduate Fellowships

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### National Science Foundation East Asia And Pacific Summer Institutes Application (EAPSI)

**NSF 08-603**

National Science Foundation (NSF)

The National Science Foundation (NSF) East Asia and Pacific Summer Institutes for U.S. Graduate Students (EAPSI) is a flagship international fellowship program for developing the next generation of globally-engaged U.S. scientists and engineers knowledgeable about the Asian and Pacific regions. The Summer Institutes are hosted by foreign counterparts committed to increasing opportunities for young U.S. researchers to work in research facilities and with host mentors abroad. Fellows are supported to participate in eight-week research experiences at host laboratories in Australia, China, Japan (10 weeks), Korea, New Zealand, Singapore and Taiwan from June to August. The program provides a $5,000 summer stipend, round-trip airfare to the host location, living expenses abroad, and an introduction to the society, culture, language, and research environment of the host location.

**Amount:** $5,000 stipend

**LOI:** N/R

**Deadline:** December 8, 2009

To learn more: [http://www.nsfsi.org/](http://www.nsfsi.org/)

**Key Words:** China, Graduate Students

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### 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

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### xTrain Expands to Include Use for NIH Institutional Career Development Awards and NLM Training Grants

**NOT-OD-09-146**

National Institutes of Health (NIH)

Effective immediately, the National Institutes of Health (NIH) invites all institutions registered with the electronic Research Administration (eRA) Commons to use the xTrain Commons module to prepare and submit appointment forms and other related documents for NIH institutional career development awards (K12s and KL2s) and NLM research training grants (T15s). xTrain is the electronic solution to submitting appointments using the PHS2271—Statement of Appointment form. For institutional career development awards, grantees should check with the NIH awarding Institute/Center to determine if the K12 or KL2 program requires the use of the PHS2271 and, therefore, are now eligible to submit such information via xTrain.

The xTrain system, which is also available for use by Kirschstein-NRSA research training grants, speeds up the NIH approval process and reduces the chance of data entry errors associated with paper appointment forms. Once a training grant appointment (or other action) has been initiated, xTrain allows institutional and NIH users to track its status, and allows NIH staff to review and approve appointments and other actions electronically.

**Amount:**

**LOI:**

**Deadline:** Released August 28, 2009


**Key Words:** Training Grants

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

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PAR-05-091
National Institutes of Health (NIH)
This grant 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: stipend plus
LOI: N/R
Deadline: Standard dates apply
Key Words: Nursing, Post Doctoral Training, Research Training

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

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
Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral MD/PhD Fellows (F30)
PA-05-151
National Institutes of Health (NIH)
The NIA, NIAAA, NIDCD, NIDA, NIEHS, NIMH, NINDS, and the ODS are interested in supporting individual predoctoral fellowships for combined MD/PhD training in research areas relevant to the mission of the participating Institutes.
Amount: unspecified
LOI: N/R
Deadline: Standard dates apply
Key Words: MD/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

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

**NINR Career Transition Award (K22)**
PAR-09-067
National Institute of Nursing Research (NINR)
The purpose of the NINR Career Transition Award (K22) program is to provide up to 5 years of support consisting of two phases. The initial phase will provide up to 2 years of mentored intramural experience for highly promising, postdoctoral research scientists in an NIH intramural program. This phase will be followed by up to 3 years of extramural support contingent on securing an independent tenure-track or equivalent research position. The NINR Career Transition award is limited to postdoctoral trainees who propose research relevant to the mission of the National Institute of Nursing Research (NINR)
Amount:  $100,000
LOI:  30 days before due date
Deadline:  Standard dates apply
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PAR-09-067.html
Key Words:  Nursing Research

**NINR Mentored Research Scientist Development Award for Underrepresented or Disadvantaged Investigators (K01)**
PAR-09-074
National Institute of Nursing Research (NINR)
The purpose of the NINR Mentored Research Scientist Development Award for Underrepresented or Disadvantaged Investigators (K01) is to provide support and “protected time” (three, four, or five years) for an intensive, supervised career development experience in the biomedical, behavioral, or clinical sciences leading to research independence.
Mechanism of Support: This Funding Opportunity Announcement (FOA) will utilize the NIH Mentored Research Scientist Development Award (K01) mechanism.
Amount:  varies
LOI:  N/R
Deadline:  Standard dates apply
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PAR-09-074.html
Key Words:  Nursing Research

**Ruth L. Kirschstein National Research Service Award (NRSA) for Individual Predoctoral Fellows in Nursing Research (F31)**
PAR-09-227
National Institute of Nursing Research
This FOA issued by the National Institute of Nursing Research (NINR/NIH), National Institutes of Health, encourages Individual Predoctoral Fellowship (F31) applications from institutions/organizations that propose to increase the number of nurses prepared with a doctoral degree in order to meet the demands for adequately trained behavioral, biological, and biobehavioral scientists. NINR is particularly interested in facilitating the progress of students who are in research training programs for recent nursing graduates and students in BSN to PhD programs. This fellowship program will provide predoctoral training support for doctoral students. The applicant must propose a research training program and dissertation research that is consistent with the scientific mission of the NINR. Research topics and skills that will serve as a foundation for an ongoing program of research are of particular interest. The research training experience must enhance the applicant's conceptualization of research problems and research skills, under the guidance and supervision of a committed mentor who is an active and established investigator in the area of the applicant's proposed research. The research training program should be carried out in a research environment that includes appropriate human and technical resources and is demonstrably committed to the research training of the applicant in the program he/she proposes in the application.
Amount:  varies
LOI:  N/R
Deadline:  Standard dates apply
To learn more:  http://grants.nih.gov/grants/guide/pa-files/PAR-09-227.html
Key Words:  Nursing Fellowships

**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

**Key Words:**
- 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

**Key Words:**
- Neurology, Neurological Research

**Mental Health Dissertation Research Grant to Increase Diversity (R36)**
PAR-09-132
National Institute of Mental Health (NIMH)
The purpose of this funding opportunity is to increase the diversity of the mental health research workforce. It will enable qualified doctoral candidates to pursue research careers in any area relevant to the research mission of the National Institute of Mental Health (NIMH). These awards are available to US citizens or permanent residents who are predoctoral students advanced to candidacy in accredited research doctoral programs in the United States (including Puerto Rico and other U.S. territories or possessions).

**Amount:** see program announcement
**LOI:** 30 days prior to Application Due Date
**Deadline:** December 22, 2009; April 22, 2010; August 24, 2010; December 22, 2010; April 22, 2011; August 24, 2011; December 22, 2011 (including resubmissions)

**Key Words:**
- Doctoral Training Support, Mental Health Professions

**Minority Access to Research Careers (MARC) Ancillary Training Activities (T36)**
PAR-08-118
National Institute of General Medical Sciences (NIGMS)
The Minority Access to Research Careers (MARC) Branch of the Minority Opportunities in Research (MORE) Division was established to significantly increase the number and competitiveness of underrepresented minorities engaged in biomedical research. To facilitate the training and development of students, faculty, and/or researchers from groups underrepresented in the biomedical research enterprise of this nation, the MARC Branch will provide program-related support in three key areas: a) scientific conferences, b) scientific short courses, or c) other well-defined ancillary training activities that further the MARC mission.

**Amount:** varies
**LOI:** N/R
**Deadline:** September 11, 2009; January 11, 2010

**Key Words:**
- Minority, Training Grants

**NIGMS' Postbaccalaureate Research Education Program (PREP)**
PAR-07-432
National Institute of General Medical Sciences (NIGMS)
The goal of the PREP is to encourage individuals from underrepresented groups who have recently obtained their baccalaureate degrees to complete for Ph.D. degree programs in medically relevant sciences through extensive academic enhancements and research experience. Through this program, it is anticipated that a steady supply of Ph.D. candidates from underrepresented groups will be established. It is also the expectation and hope that some of the PREP participants will eventually become the scientists who conduct research in areas that address reducing health disparities.
Short Term Career Development Award in the Environmental Health Sciences for Established Investigators (K18)

PAR-09-090
National Institute of Environmental Health Sciences (NIEHS)
The purpose of these short term career development awards is to allow established, well funded clinician investigators to expand research programs to answer questions relevant to the environmental health sciences, and to provide established environmental health sciences research investigators the tools to expand their efforts to translational research.

Amount: varies
LOI: N/A
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-090.html
Key Words: Environmental Health Sciences

NIDDK 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 Dentist Scientist Pathway to Independence Award (K99/R00)

PAR-09-256
National Institute of Dental and Craniofacial Research (NIDCR)
The primary purpose of the Pathway to Independence Award (K99/R00) program is to increase and maintain a strong cohort of new and talented NIH-supported independent investigators. The program is designed to facilitate a timely transition from a mentored postdoctoral research position to a stable independent research position with independent NIH or other independent research support at an earlier stage than is currently the norm.

Amount: $1,445,000
LOI: N/R
Deadline: Standard dates apply
To learn more: http://grants.nih.gov/grants/guide/pa-files/PAR-09-256.html
Key Words: Training Grants

NIDCR 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

Key Words: Dentistry, Dental Training, Dental Fellowships

### NIAID Research Scholar Development Award (K22)
PAR-09-068
National Institute of Allergy and Infectious Diseases (NIAID)
The purpose of the NIAID Research Scholar Development Award (RSDA) program is to increase and maintain a strong cohort of new and talented NIH-supported independent investigators that will address the health needs of the Nation. The NIAID RSDA is specifically designed to facilitate the transition from a postdoctoral research position to an independent research position.

Amount: varies
LOI: N/R
Deadline: Standard dates apply

Key Words: Allergy, Infectious Disease

### 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

Key Words: Cardiovascular Fellowships, Post-Doctoral Training

### NHLBI Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral MD/PhD Fellows (F30)
PA-09-232
National Heart, Lung and Blood Institute (NHLBI)
The National Heart, Lung, and Blood Institute (NHLBI) is interested in supporting individual predoctoral fellowships for combined MD/PhD training in research areas relevant to the mission of the NHLBI. The NHLBI mission is to provide leadership for national programs in diseases of the heart, blood vessels, lung, and blood; blood resources; and sleep disorders.

Amount: varies
LOI: N/R
Deadline: Standard dates apply

Key Words: MD/PhD Fellowships

### The Bernard Osher Foundation/NCCAM CAM Practitioner Research Career Development Award (K01)
PAR-07-003
National Center for Complementary and Alternative Medicine (NCCAM)
The specific purpose of this research career development Award (K01) is to provide research training support for CAM Practitioners with clinical doctorates, who have had limited opportunities for research training, but a strong desire to pursue a career in CAM research. The long term goal is to encourage more CAM practitioners to enter research careers, thus enriching CAM research through their experience and knowledge of CAM practice. This award will provide support and “protected” time (three, four, or five years) for intensive, supervised career development research experience in the biomedical, behavioral, or clinical sciences related to
complementary and alternative medicine (CAM). Awards are not renewable, nor are they transferable from one principal investigator to another.

Amount: varies
LOI: N/R
Deadline: November 1, 2009

Key Words: CAM, Complementary Alternative Medicine, Career Award, Training Grant

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**The Bernard Osher Foundation/NCCAM CAM Practitioner Research Career Development Award (K01)**

PAR-09-072
National Center for Complementary and Alternative Medicine (NCCAM)

The specific purpose of this research career development Award (K01) is to provide research training support for CAM Practitioners with clinical doctorates, who have had limited opportunities for research training, but a strong desire to pursue a career in CAM research. The long term goal is to encourage more CAM practitioners to enter research careers, thus enriching CAM research through their experience and knowledge of CAM practice. This award will provide support and “protected” time (three, four, or five years) for intensive, supervised career development research experience in the biomedical, behavioral, or clinical sciences related to complementary and alternative medicine (CAM).

Amount: varies
LOI: N/R
Deadline: Standard dates apply

Key Words: CAM

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**National Cancer Institute (NCI) Cancer Education and Career Development Program (R25)**

PAR-06-511
National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA) represents the continuation of the Cancer Education and Career Development Program (CECDP) established by the National Cancer Institute (NCI). The purpose of the CECDP is to support the development and implementation of institutional curriculum-dependent predoctoral/postdoctoral programs with specific core didactic and research requirements to train a cadre of scientists in interdisciplinary and collaborative cancer research settings. Examples of interdisciplinary/collaborative areas of cancer research that are particularly applicable to intent of the CECDP are cancer prevention and control, behavioral and population sciences, nutrition, imaging, and molecular diagnosis.

Amount: up to $525,000
LOI: N/R
Deadline: Standard dates apply

Key Words: Cancer, Nutrition, Imaging, Molecular Diagnosis

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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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**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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**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/](http://orchid.cancer.gov/)), and the Office of the Director (OD) ([http://www.nih.gov/icd/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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**Postdoctoral Associates**  
Howard Hughes Medical Institute  
Postdoctoral associates work in the laboratory of a Janelia Farm group leader or fellow. Appointments are reviewed annually and may be renewed a maximum of four times (maximum of five years in residence). Applications must be made to specific group leaders or fellows. Completed applications reviewed regularly.

**Amount:** unspecified  
**LOI:** N/R  
**Deadline:** December 15, 2009  
To learn more: [http://www.hhmi.org/research/competitions/](http://www.hhmi.org/research/competitions/)  
**Key Words:** Post-Doctoral Positions

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**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  
**Key Words:**

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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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**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-funded 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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**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/](http://www.cff.org/research/ForResearchers/FundingOpportunities/TrainingGrants/)  
**Key Words:** Cystic Fibrosis

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**Career Development Grants in Occupational Safety and Health**

PAR-08-070  
Centers for Disease Control and Prevention (CDC)  
The National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC) invite grant applications for research career development related to occupational safety and health. The goal of the NIOSH research program is to support research that is relevant and of high quality, and will have an impact in reducing occupational disease and injury. This program is intended to contribute to this goal by facilitating the preparation of the next generation of occupational safety and health researchers.

**Amount:** $300,000  
**LOI:** N/R  
**Deadline:** Standard dates apply  
To learn more: [http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&opplid=47231](http://www07.grants.gov/search/search.do?&mode=VIEW&flag2006=false&opplid=47231)  
**Key Words:** Occupational Health and Safety, Training

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**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

The 2010 AFAR Research Grants  
American Federation for Aging Research (AFAR)  
The major goal of this program is to assist in the development of the careers of junior investigators committed to pursuing careers in the field of aging research. AFAR supports research projects concerned with understanding the basic mechanisms of aging. Projects investigating age-related diseases are also supported, especially if approached from the point of view of how basic aging processes may lead to these outcomes. Projects concerning mechanisms underlying common geriatric functional disorders are also encouraged, as long as these include connections to fundamental problems in the biology of aging. Projects that deal strictly with clinical problems such as the diagnosis and treatment of disease, health outcomes, or the social context of aging are not eligible.  
Amount: $75,000  
LOI: N/R  
Deadline: December 15, 2009  
To learn more: http://afar.org/afar99.html  
Key Words: Aging and Immune Function, Neurobiology & Neuropathology of Aging, Aging & Cellular stress Resistance, Metabolic & Endocrine Changes, Age-Related Changes in Cell Proliferation, DNA Repair & Control of Gene Expression

AHRQ Individual Awards for Postdoctoral Fellows (F32) Ruth L. Kirschstein National Research Service Awards (NRSA)  
PA-09-229  
Agency for Healthcare Research and Quality  
The purpose of this individual postdoctoral research training fellowship is to provide support to promising Fellowship Applicants with the potential to become productive, independent investigators in health services research in research areas and priorities relevant to the mission of AHRQ.  
Amount: varies  
LOI: N/R  
Deadline: Standard dates apply  
To learn more: http://grants.nih.gov/grants/guide/pa-files/PA-09-229.html  
Key Words: Health Services Research

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

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

This publication is available on-line at http://www.unmc.edu/vcr/fundingopportunities.htm

A publication from the OFFICE OF RESEARCH