



# Newsletter

funding opportunities for research



## Announcements

- [Alcohol, Drugs or Abuse &/or Smoking](#)
- [Bioimaging and Radiation Research](#)
- [Bioinformatics](#)
- [Biomedical Technology](#)
- [Cancer & Blood](#)
- [Complementary & Alternative Medicine \(CAM\)](#)
- [Cytomics](#)
- [Diabetes, Endocrine & Metabolism](#)
- [Digestive & Liver](#)
- [Education & Curriculum Development](#)
- [Emergency Medicine](#)
- [Equipment](#)
- [Eyes, Ears, Nose, Throat](#)
- [Family Medicine](#)
- [Genomics](#)
- [Geriatrics/Aging](#)
- [Heart & Vascular Diseases](#)
- [Immunology](#)
- [Infectious Disease/Biopreparedness](#)
- [Kidney & Urinary System](#)
- [Lung and Sleep](#)
- [Men's & Women's Health](#)
- [Miscellaneous](#)
- [Musculoskeletal](#)
- [Nanomedicine/Nanotechnology](#)
- [Neurosciences](#)
- [Nursing: Practice & Outcomes Research](#)
- [Nutrition](#)
- [Oral Cavity/Dentistry](#)
- [Patient Oriented Research](#)
- [Pediatrics](#)
- [Pharmacy & Pharmacology Research](#)
- [Prizes & Awards](#)
- [Psychobehavioral Research/Mental Health](#)
- [Public Health](#)
- [Regenerative Medicine/Transplantation](#)
- [Skin](#)
- [Structural Biology & Proteomics](#)
- [Therapies & Therapeutics](#)
- [Training & Fellowships](#)

## NOTICES

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

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

## NOTICES

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

#### **New**

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

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-09-146.html>

Key Words: **Training Grants**

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### **Notice of Intent to Publish a Request for Applications for Support Opportunity for Addiction Research (SOAR) for New Investigators**

#### **NEW**

NOT-DA-09-013

National Institute on Drug Abuse (NIDA)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

The National Institute on Drug Abuse (NIDA) and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) intend to publish a Request for Applications (RFA) to solicit research applications under an initiative entitled "Support Opportunity for Addiction Research (SOAR) for New Investigators (R03)." The purpose of this Funding Opportunity Announcement (FOA) is to support new investigator's on-going basic or clinical alcohol, drug abuse and/or related co-morbidity research. The primary goal of this Support Opportunity for Addiction Research (SOAR) is for new investigators to leverage existing research programs in order to strengthen, possibly expand, and/or further develop alcohol, drug abuse, and co-morbidity research.

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 NIH Small Research Grant Program (Parent R03).

Amount:

LOI:

Deadline: Released September 4, 2009

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-DA-09-013.html>

Key Words: **Addictions, New Investigators**

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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)**

#### **NEW**

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:

Deadline: Released September 11, 2009

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To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-DA-09-014.html>

Key Words: **Substance Abuse, Neurobiology of Addiction, Treatment**

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### **Notice of Intent to Publish a Request for Applications for Biobehavioral Research Awards for Innovative New Scientists (BRAINS) (R01)**

**NEW**

NOT-MH-09-016

National Institute of Mental Health (NIMH)

The National Institute of Mental Health (NIMH) intends to issue a Request for Applications (RFA) to solicit applications for the Biobehavioral Research Awards for Innovative New Scientists (BRAINS) (R01). This award is intended to support the research and research career development of promising Early Stage Investigators (as defined by NIH in NOT-OD-09-013) who plan to make a long term career commitment to research in specific mission areas of the NIMH. This award seeks to assist these individuals in launching an innovative clinical, translational, basic or services research program that holds the potential to profoundly transform the understanding, diagnosis, treatment, or prevention of mental disorders. For FY 2010, the BRAINS program will focus on the research priorities and gap areas identified in the NIMH Strategic Plan (<http://www.nimh.nih.gov/about/strategic-planning-reports/index.shtml>).

This notice is being provided to allow potential applicants sufficient time to develop meaningful collaborations and responsive projects. The RFA is expected to be published in September 2009 with an expected receipt date in November, 2009.

This RFA will utilize the R01 grant mechanism. Given the emphasis on early stage investigators, multi-PI applications will not be allowed.

Amount:

LOI:

Deadline: Released September 1, 2009

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-MH-09-016.html>

Key Words: **Biobehavioral Research, mental Disorders**

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

**New**

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

The new receipt dates are January 15, 2010, May 15, 2010, January 15, 2011 and May 15, 2011.

Amount:

LOI:

Deadline: Released August 28, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-GM-09-027.html>

Key Words: **NIGMS**

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### **Change of Application Receipt Date for NIDDK PAR-08-182: Collaborative Interdisciplinary Team Science in Diabetes, Endocrinology and Metabolic Diseases (R24)**

**NEW**

NOT-DK-09-017

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

The purpose of this Notice is to change the final Receipt Date for PAR-08-182: Collaborative Interdisciplinary Team Science in Diabetes, Endocrinology and Metabolic Diseases (R24), <http://grants.nih.gov/grants/guide/pa-files/PAR-08-182.html>, from March 24, 2011 to November 3, 2010. The Key Dates and Section IV., 3A: Receipt, Review and Anticipated Start Date sections have been updated as follows:

Letter of Intent Receipt Date: October 4, 2010

Application Receipt Date: November 3, 2010

Peer Review Date: February/March 2011

Council Review Date: May 2011

Earliest Anticipated Start Date: September 30, 2011

Expiration Date: March 25, 2011

Applicants should also note that the March 24, 2010 application receipt date is still in effect. Thus, there are two application receipt dates in 2010: March 24, 2010 and November 3, 2010. All other aspects of this announcement remain unchanged.

Amount:

LOI:

Deadline: Released September 4, 2009

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-DK-09-017.html>

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

**New**

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**

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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**

**NEW**

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

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-HL-09-130.html>

Key Words: **Hypertension, Arterial Stiffening**

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## **Clarification of Specific Research Objective in PAR-09-224, Improving Diet and Physical Activity Assessment (R01)**

**New**

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

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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

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**

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## **AHRQ Notice of Intent to Publish a Request for Applications for Health Information Technology (IT) Projects Focused on Providing Integrated Services to Improve Health and Functioning in Older Adults**

**NEW**

NOT-HS-09-012

Agency for Healthcare Research and Quality (AHRQ)

This Notice announces AHRQ's intention to publish a Demonstration Cooperative Agreement (U18) Funding Opportunity Announcement (FOA) to solicit applications from organizations that propose to carry out community-based participatory research on the use of communication and information focused technologies (IT) for improving health status and functionality of, and health-related services provided to, older adults. Further, a related focus is on applied research, with the objective of developing sustainable and reproducible strategies that will translate research into practice effectively and efficiently.

This five year initiative has three broad strategic themes: 1) using IT to extend independence and functioning, as well as reduce unnecessary health care utilization by older adults; 2) using IT to place the individual and families at the center of expanded and more efficient service delivery networks; and 3) developing innovative approaches to translate evidence generated in the first two thematic areas into practice.

Research results are intended to enhance the independence and functionality of older adults through fundamental and applied research, development of tools, conduct of demonstration projects, educational program development and implementation, and evaluation and dissemination of results. This cooperative agreement initiative will support a broad, integrated, multidisciplinary, multi-project health services research program -- a center of excellence -- that will bring together strong teams of experienced and new researchers.

Amount:

LOI:

Deadline: Released September 1, 2009

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-HS-09-012.html>

Key Words: **Independence, Aging**

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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>

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

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## **Sharing Data and Tools: Federations using the BIRN and caBIG Infrastructures (R01)**

NOT-HL-08-103

NIH

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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/PA-07-426.html#SectionIV>

Key Words:

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### **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 Announcements (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.

Amount:

LOI: N/R

Deadline: extended application; see award

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-08-069.html>

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

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### **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:

Deadline: Released August 6, 2009

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-09-128.html>

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

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-09-129.html>

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

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### **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**

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### **NIGMS Administrative Supplements for Collaborative Science**

NOT-GM-08-130

National Institute of General Medical Sciences (NIGMS)

The National Institute of General Medical Sciences (NIGMS) announces the availability of funds for administrative supplements to NIGMS-funded research projects. These funds are intended to enhance ongoing research by stimulating and supporting new multidisciplinary collaborations among NIGMS grantees and other members of the scientific community. Collaborations that bring together ideas and approaches from disparate scientific disciplines are particularly encouraged, as are those involving individuals from groups that are currently underrepresented in the biomedical sciences. These collaborative activities must be within the scope of the approved aims of the parent award, and are expected to provide novel scientific approaches to the research plan for the NIGMS grantee and collaborators.

Amount: \$135,000

LOI: N/R

Deadline: December 15, 2009; March 15, 2010; June 15, 2010; December 15, 2010; March 15, 2011; June 15, 2011.

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-GM-08-130.html>

Key Words: **Supplemental Funding, Administrative Support, General Science, Under-represented Scientists**

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### **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:

LOI:

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**

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### **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:

LOI:

Deadline: Released August 6, 2009

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-AI-09-051.html>

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Key Words: **Immunology, Vaccines, Clinical Trial**

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### **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".

The additional Letter of Intent Receipt Dates will be: December 20, 2009, April 20, 2010, August 17, 2010, December 20, 2010, and April 20, 2011 respectively.

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**

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### **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**

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### **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**

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## Alcohol, Drugs or Abuse and/or Smoking

### **Notice of Intent to Publish a Request for Applications for Support Opportunity for Addiction Research (SOAR) for New Investigators**

**NEW**

NOT-DA-09-013

National Institute on Drug Abuse (NIDA)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

The National Institute on Drug Abuse (NIDA) and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) intend to publish a Request for Applications (RFA) to solicit research applications under an initiative entitled "Support Opportunity for Addiction Research (SOAR) for New Investigators (R03)." The purpose of this Funding Opportunity Announcement (FOA) is to support new investigator's on-going basic or clinical alcohol, drug abuse and/or related co-morbidity research. The primary goal of this Support Opportunity for Addiction Research (SOAR) is for new investigators to leverage existing research programs in order to strengthen, possibly expand, and/or further develop alcohol, drug abuse, and co-morbidity research.

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 NIH Small Research Grant Program (Parent R03).

Amount:

LOI:

Deadline: Released September 4, 2009

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-DA-09-013.html>

Key Words: **Addictions, New Investigators**

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### **Targeted Library Synthesis and Screening at Novel Targets for Potential Drug Addiction Treatments and Research Tools (R21/R33)**

**NEW**

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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-005.html>

Key Words: **Drug Addiction, Treatment, Novel Medications**

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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)**

**NEW**

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:

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**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-153.html>

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

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-081.html>

Key Words:

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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>

Key Words:

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## **Design, Synthesis, and Preclinical Testing of Potential Treatment Agents for Drug Addiction (R01)**

PAS-08-041

NIH

The National Institute on Drug Abuse (NIDA) invites research applications aimed at design, synthesis, and preclinical testing of potential treatment agents for drug addiction and/or relapse prevention. Recent advances in molecular neurobiological mechanisms underlying drug addiction provide a basis for development of new therapeutic targets and chemical entities to treat and prevent relapses of drug addiction.

Amount: \$150,0000

LOI: N/R

Deadline: multiple, see link; continuous

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To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAS-08-041.html>

Key Words:

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-263.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-264.html> or <http://grants.nih.gov/grants/guide/pa-files/PA-08-265.html>

Key Words: **Drug Addiction, Treatment Plans, Drug and Alcohol Services**

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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

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-414.html>

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

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-172.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-173.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-174.html>

Key Words: **Alcoholism, Epidemiology**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-253.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-254.html>

Key Words: **Smoking, AIDS/HIV**

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### **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**

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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

LOI: N/R

Deadline: Standard dates apply,

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-217.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-218.html> or <http://grants.nih.gov/grants/guide/pa-files/PA-08-219.html>

Key Words: **Drug Abuse, Drug Dependence**

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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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## **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**

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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**

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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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-009.html>

Key Words: **Addiction Treatment**

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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

LOI: N/R

Deadline: December 21, 2009, August 20, 2010, December 21, 2010, August 19, 2011, and December 21, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-222.html>

Key Words: **Drug Abuse, Addictions**

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### **Medications Development for Polydrug Addiction Treatment**

**[(R01) PAS-08-186] and [(R21) PAS-08-187]**

PAS-08-186 and PAS-08-187

National Institute on Drug Abuse

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

Amount: \$2,500,000

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAS-08-186.html> and <http://grants.nih.gov/grants/guide/pa-files/PAS-08-187.html>

Key Words: **Drug Abuse, Drug Development**

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### **Science Education Drug Abuse Partnership Award – R25**

PAR-08-145

National Institute on Drug Abuse

This funding opportunity announcement (FOA) solicits Research Education (R25) grant applications to fund the development and evaluation of innovative model programs and materials for enhancing knowledge and understanding of neuroscience and the biology of drug abuse and addiction among K-12 students, the general public, health care practitioners, and other groups. The award provides support for the formation of partnerships between scientists and educators, media experts, community leaders, and other interested organizations for the development and evaluation of programs and materials that will enhance knowledge and understanding of science related to drug abuse. The intended focus is on topics not well addressed in existing efforts by educational, community, or media activities.

Amount: limited to \$250,000/year.

LOI: N/R

Deadline: Application Receipt/Submission Date(s): May 25, 2010

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-145.html>

Key Words:

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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

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The purpose of this FOA is to foster the development of novel pharmacological strategies for the treatment of pregnant/postpartum women with Substance Related Disorders (SRDs) and/or in utero substance exposed neonates. To that end, this FOA issued by NIDA, National Institutes of Health, will encourage applications to implement preclinical and clinical research directed towards: 1) the identification, evaluation, and development of safe and effective novel pharmacotherapies (e.g., new chemical entities or immunotherapies) for the treatment of pregnant/postpartum women with SRDs and/or in utero substance exposed neonates, and/or 2) the evaluation of the safety and efficacy of FDA approved medications (e.g., medications approved for a different indication) for the treatment of pregnant/postpartum women with SRDs and/or in utero substance exposed neonates.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-106.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-107.html>

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

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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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### **Senior Scientist Research and Mentorship Award (K05)**

PA-09-076

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

National Institute on Drug Abuse (NIDA)

The Senior Scientist Research and Mentorship Award (K05) is intended to provide outstanding senior scientists protected time to focus on and enhance their research and to carry out mentoring of new investigators. Candidates for the Senior Scientist Research and Mentorship Award (K05) should be recognized leaders in the alcohol, or drug abuse, or related research fields who have demonstrated a sustained, high level of productivity and a distinguished record of original contributions in their field, and whose expertise and contributions to these research fields will continue to be critical to the missions of the NIAAA or NIDA. Each candidate must demonstrate both the need for protected time to further their field of research and a commitment to serve as a mentor to new investigators or junior faculty who are currently performing or will begin to perform alcohol, or drug abuse, or related research. Mentored investigators should have an independent, full-time appointment at their institution; this can be in either non-tenure or tenure-track positions.

Amount: up to \$450,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-076.html>

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

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### **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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AA-10-002.html> and <http://grants.nih.gov/grants/guide/rfa-files/RFA-AA-10-003.html> and <http://grants.nih.gov/grants/guide/rfa-files/RFA-AA-10-004.html>

Key Words: **Alcohol Research**

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## **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)

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-028.html>

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**

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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

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PAS-07-324.html> and <http://grants1.nih.gov/grants/guide/pa-files/PAS-07-326.html> or <http://grants1.nih.gov/grants/guide/pa-files/PAS-07-325.html>

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-097.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-096.html>

Key Words: **Alcoholism, Adolescent Behavior**

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

PA-08-006

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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:

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### **Alcohol Use Disorders: Treatment, Services Research, and Recovery (R21)**

PA-08-008

National Institute on Alcohol Abuse and Alcoholism

This Funding Opportunity Announcement (FOA), issued by the National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Institutes of Health (NIH), encourages Exploratory/Developmental (R21) grant applications from institutions/organizations that utilize innovative approaches to research on: behavioral and pharmacological treatment for alcohol use disorders; organizational, financial, and management factors that facilitate or inhibit the delivery of services for alcohol use disorders; and/or on the phenomenon of recovery from alcohol use disorders. (NIH), encourages Exploratory/Developmental (R21) grant applications from institutions/organizations that utilize innovative approaches to research on: behavioral and pharmacological treatment for alcohol use disorders; organizational, financial, and management factors that facilitate or inhibit the delivery of services for alcohol use disorders; and/or on the phenomenon of recovery from alcohol use disorders.

Amount: \$275,000

LOI: N/R

Deadline: Multiple dates, see announcement, expires January 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-008.html>

Key Words:

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### **International Research Collaborations on Drug Addiction (R21)**

PA-08-007

National Institute on Alcohol Abuse and Alcoholism

This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Exploratory/Developmental Research Project Grant (R21) applications from institutions/ organizations that propose to integrate basic behavioral research and intervention research for the prevention of alcohol-related HIV/AIDS risk.

Amount: varies

LOI: N/R

Deadline: Multiple dates, see announcement

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-007.html>

Key Words:

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### **Mouse Models Containing Human Alleles: Novel Tools to Study Brain Function (R21/R33)**

PAR-08-158

National Institute of Mental Health

National Institute on Aging

National Institute on Alcohol Abuse and Alcoholism

National Institute on Drug Abuse

This Funding Opportunity Announcement invites Phased Innovation (R21/R33) grant applications from organizations /institutions that propose the development and characterization of novel mouse models that express human genes or human genetic elements that can aid in understanding the molecular mechanisms underlying brain function and the physiological function/significance of gene variants and gene dosage abnormalities that have been identified as possibly being involved in mental disorders, addiction, neurodegenerative disorders of aging, and alcoholism as well as related comorbid conditions

Amount: \$150,000

LOI: 30 days prior to application receipt date

Deadline: multiple dates (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**

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### **NIH Small Research Grant Program (Parent R03)**

PA-09-163

National Human Genome Research Institute (NHGRI)

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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)  
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The National Institutes of Health (NIH) Investigator-Initiated Small Grant (R03) funding opportunity supports small research projects that can be carried out in a short period of time with limited resources. Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigator's area of interest and competency. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. All investigator-initiated small grant applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests.

Amount: \$100,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-163.html>

Key Words: **Small Grants**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-046.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-047.html>

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

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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)

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**

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## **Bioimaging and Radiation Research**

### **Image-guided Drug Delivery in Cancer (R01)**

**New**

PA-09-253

National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages innovative translational research in the development of quantitative in vivo imaging characterization of image-guided drug delivery (IGDD) in cancer, including characterizations of the target, delivery validation, and therapy response. This FOA will support research in development of integrated imaging-based platforms for multifunctional and multiplexed drug delivery systems in cancer. Validation studies in non-human primates or large animal models and first in human studies directed towards translation of IGDD technology into the clinic will be considered appropriate for this FOA.

Amount: \$2,500,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-253.html>

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

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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/>). 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/rfa-files/RFA-MH-10-020.html>

Key Words: **Non-invasive Imaging, Neural Connections, Cell Lines**

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### **Imaging - Science Track Award for Research Transition (I/START) [R03]**

PAR-09-073

National Institute on Drug Abuse (NIDA)

This funding opportunity announcement (FOA) issued by the National Institute on Drug Abuse encourages Small Research Grant (R03) applications to facilitate the entry of investigators to the area of neuroimaging, including both new investigators and established investigators seeking to adopt neuroimaging methodologies in their research programs. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.

Amount: \$150,000

LOI: 30 days prior to the application due date

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-073.html>

Key Words: **Neuroimaging**

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### **Development of PET and SPECT Ligands for Brain Imaging (SBIR [R43/R44])**

PA-08-137

National Institute of Mental Health

National Institute on Aging

National Institute on Alcohol Abuse and Alcoholism

National Institute on Deafness and Other Communication Disorders

This Funding Opportunity Announcement (FOA) is intended to stimulate the commercial development of novel radioligands for positron emission tomography (PET) and single photon emission computed tomography (SPECT) imaging in human brain, and to incorporate pilot or clinical feasibility evaluation in pre-clinical studies, model development, or clinical studies. The NIH institutes listed in this FOA are specifically interested in the development of radioligands for molecular targets (e.g., receptors, cell adhesion molecules, intracellular messengers, and disease related proteins) that are of broad interest to the scientific community. These radiotracers will be used for neuroimaging as well as potential biological markers and surrogate endpoints for translational and clinical research, drug discovery and development, and clinical trials. Also appropriate for this FOA are applications proposing research and development of new technologies for radiotracer development.

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**Amount:** up to \$300,000 total costs per year and time periods up to two years for Phase I may be requested. Budgets up to \$500,000 total costs per year and up to three years may be requested for Phase II.

**LOI:** N/R

**Deadline:** standard dates apply

**To learn more:** <http://grants.nih.gov/grants/guide/pa-files/PA-08-137.html>

**Key Words:**

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### **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 D

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

**To learn more:** <http://grants.nih.gov/grants/guide/pa-files/PA-07-253.html>

**Key Words:** **Membrane Protein Structure, Crystallization, X-ray Diffraction, NMR, Mass Spectrometry**

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### **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**

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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

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Deadline: October 28, 2009; October 28, 2010; October 28, 2011  
To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-157.html>  
Key Words: **Cancer Center, Imaging**

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## Bioinformatics

### **NEI Research Grant for Secondary Data Analysis (R21)**

#### **New**

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**

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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**

#### **New**

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
14. Emergency Preparedness & Response
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**

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### **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.

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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:

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### **Postdoctoral Research Fellowships in Biology (PRFB)**

NSF 07-580

NSF

This program solicitation serves as the focal point for all Postdoctoral Fellowships in the Directorate for Biological Sciences at the National Science Foundation.

Postdoctoral Fellowships in Biological Informatics are again being offered in fiscal years 2008, 2009, and 2010. The program description has been updated to reflect continuing development of the scientific opportunities at the intersections of biology, computer science, mathematics and statistics, and the physical sciences.

Amount: unspecified

LOI: N/R

Deadline: November 5; annually

To learn more: <http://www.nsf.gov/pubs/2007/nsf07580/nsf07580.pdf>

Key Words: **Biological Informatics**

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### **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](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08561)

Key Words: **Statistical Surveys, Mental Health Assessment**

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### **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](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5686)

Key Words: **Cognition, Vision, Attention, Memory**

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### **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

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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:

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### **Continued Development and Maintenance of Software (R01)**

PAR-08-010

NIH, Multiple Institutes and Centers

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

Amount: \$250,000

LOI: N/R

Deadline: Multiple, see announcement

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-010.html>

Key Words:

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### **Exploratory Collaborations with National Centers for Biomedical Computing**

**[(R21) PAR-08-183] and [(R01) PAR-08-184]**

PAR-08-183 and PAR-08-184

NIH Roadmap Initiatives

This funding opportunity announcement (FOA) is for projects from individual-investigators or small groups to collaborate with the NIH Roadmap for Medical Research National Centers for Biomedical Computing (NCBCs). For a description of the NCBCs see <http://www.bisti.nih.gov/ncbc/>. The intention of the collaborating projects is to engage researchers across the nation in building an excellent biomedical computing environment, using the computational tools and biological and behavioral application drivers of the funded NCBCs as foundation stones. This FOA is intended to support exploratory biomedical informatics and computational biology research—applications should be innovative, with high risk/high impact in new areas that are lacking preliminary data or development. Applications for R21 awards should describe projects distinct from those supported through the traditional R01 mechanism. For example, long-term projects, or projects designed to increase knowledge in a well-established area will not be considered for R21 awards.

Amount: \$2,500,000

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-183.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-08-184.html>

Key Words: **Bioinformatics**

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

PAR-08-123

NIH

This Funding Opportunity Announcement (FOA) issued by the National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health, solicits applications proposing genome-wide association studies (GWAS) of phenotypes relevant to the NIAMS mission, to be conducted with existing genetic and phenotypic data, such as may be obtained from the NIH database of Genotype and Phenotype (dbGaP) or other sources of genotype and phenotype data.

Amount: \$220,000 annually

LOI: N/R

Deadline: June 18, 2010

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

Key Words:

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### **Innovations in Biomedical Computational Science and Technology (R01)**

PAR-09-218

National Institutes of Health (NIH), multiple institutes

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

Amount: \$2,500,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-218.html>

Key Words: **Biomedical Informatics, Computational Biology, Database Design**

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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>

Key Words: **Computational Biology, Computer Modeling, Mathematical Modeling (Medical), Outcomes Research (Medical), Physiological or Development Process**

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

PA-08-252

National Institute on Aging (NIA)

This Funding Opportunity Announcement (FOA), issued by the National Institute on Aging (NIA) is seeking small grant (R03) applications to stimulate and facilitate data archiving and development related to cognitive psychology, behavioral interventions in the context of randomized controlled trials (RCTs), demography, economics, epidemiology, behavioral genetics and other behavioral research on aging for secondary analysis.

Amount: \$100,000

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-252.html>

Key Words: **Aging, Databases**

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

PAR-08-199

National Institute of Mental Health (NIMH)

With the initial stages of the Human Genome Project completed and new insights gained into the complex interplay of genomic function, genomic structure and the environment in mental disorders, attention is shifting towards the translational promise of the completed human sequence and a new era of genomic medicine in mental disorders. A special emphasis of this Funding Opportunity Announcement (FOA) issued by the National Institute of Mental Health (NIMH), National Institutes of Health (NIH), is to support applications that implement large-scale studies and innovative analytical designs that will disaggregate a given mental disorder into components of finite risks. These developments may be evolutionary or may be fundamentally new and may lead to paradigm shifts in the field. Applications submitted in response to this FOA may propose new technologies for cost effective whole genome analysis and in-depth sequencing and analysis of candidate genes and genomic regions in pedigrees or in a sample of unrelated cases with mental disorders. Applications for large-scale haplotype analysis and the development of new analytical methods also are encouraged.

Amount: varies

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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**

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### **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**

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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

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**

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### **NIDCR Small Research Grants for Data Analysis and Statistical Methodology (R03)**

PAR-09-182

National Institute of Dental and Craniofacial Research (NIDCR),

The goal of this funding opportunity announcement (FOA) is to support meritorious research projects that involve secondary data analyses or statistical methodology using existing dental or craniofacial database resources.

Amount: \$200,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-182.html>

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

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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

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**

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### **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**

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### **Resource Program Grants in Bioinformatics (P41)**

PAR-08-180

Eunice Kennedy Shriver National Institute of Child Health and Human Development

The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) solicits Resource Program Grants in Bioinformatics for supporting the continued operation, improvement, and dissemination of databases, digital information, or software tools that are unique, and of special importance to research using animal models of embryonic developmental processes.

Amount: \$8,750,000

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-180.html>

Key Words: **Bioinformatics**

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### **DTRA FY2009 – 2011 Basic Research for Combating Weapons of Mass Destruction (WMD) Broad Agency Announcement (BAA)**

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.

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To learn more: <http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=17804>

Key Words: **Weapons of Mass Destruction**

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### **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**

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## **Biomedical Technology**

### **SRU'S Label-Free Technology Research Grants**

**NEW**

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

**NEW**

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>

Key Words: **Technology**

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### **2010 NIH Director's New Innovator Award Program (DP2) and (DP1)**

**New**

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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-09-011.html> and <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-09-010.html>Key Words: **Biomedical, Behavioral Research****Exceptional, Unconventional Research Enabling Knowledge Acceleration (EUREKA) (R01)****NEW**

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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-10-009.html>Key Words: **Novel, High Impact****Notice of Availability of Serum Samples and Research Support for Validation of Hepatocellular Carcinoma (HCC) Biomarkers****New**

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:

LOI:

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)****New**

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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-10-004.html> and <http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-10-005.html>

Key Words: **Dental Resin, Composites, Biofilm Interactions**

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

### **New**

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&oppld=49231>

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

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## **Lung Cancer Biospecimen Resource Network (LCBRN) Award**

### **NEW**

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.
- \* 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: \$3,800,000

LOI: pre-application December 23, 2009

Deadline: January 6, 2010

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

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Key Words: **Biospecimen, Lung Cancer**

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### **Antibody Technology Program**

**NEW**

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

To learn more: <http://www.darpa.mil/dso/solicitations/baa09-69.htm>

Key Words: **Antibody,**

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### **Continued Development and Maintenance of Software (R01)**

PAR-08-010

NIH, Multiple Institutes and Centers

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

Amount: \$250,000

LOI: N/R

Deadline: Multiple, see announcement

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-010.html>

Key Words:

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

PA-08-071

NIH

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

Amount: varies

LOI: N/R

Deadline: continuous, see listing

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-071.html>

Key Words:

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### **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

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cellular/molecular levels. For example, disease progression patterns may be correlated with tumor genotypic and/or phenotypic profiles (at the levels of the genome, epigenome, gene expression and/or protein and non-protein molecular markers. This FOA will only support studies that use tumor specimens linked to specific interventions/trials. To be able to achieve these translational goals, the proposed projects are expected to rely on interactions between basic researchers and clinical investigators, in order to improve future drug development and interventions.

**Amount:** Direct costs are limited to \$275,000 over an R21 2-year period, with no more than \$200,000 in direct costs allowed in any single year.

**LOI:** N/R

**Deadline:** Standard dates apply

**To learn more:** <http://grants.nih.gov/grants/guide/pa-files/PA-08-133.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-134.html>

**Key Words:**

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### **Living Stock Collections for Biological Research (LSCBR)**

NSF 09-550

National Science Foundation (NSF)

Directorate for Biological Sciences

Division of Biological Infrastructure

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

**Amount:** varies

**LOI:** N/R

**Deadline:** July 7, 2010, July 6, 2011

**To learn more:** [http://www.nsf.gov/pubs/2009/nsf09550/nsf09550.htm?govDel=USNSF\\_25](http://www.nsf.gov/pubs/2009/nsf09550/nsf09550.htm?govDel=USNSF_25)

**Key Words:** **Biological Stock, Cultures, Virus, Bacteria**

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### **Improvements to Biological Research Collections (BRC)**

NSF 09-548

National Science Foundation (NSF)

Directorate for Biological Sciences

Division of Biological Infrastructure

The Improvements to Biological Research Collections Program provides funds for improvements to network, secure, and organize established natural history collections for sustained, accurate, and efficient accessibility of the collection to the biological research community.

The BRC program is encouraging collaborative proposals to network collections on regional and continental scales, especially collaborations that bring large and small collections together into networks. The BRC program also provides for enhancements to existing collections to improve collections, computerize specimen-related data, develop better methods of specimen curation and collection management through activities such as symposia and workshops.

Biological collections supported include those housing natural history specimens and jointly curated collections such as preserved tissues and other physical samples, e.g. DNA libraries and digital images. Such collections provide the materials necessary for research across broad areas of biological sciences.

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

**LOI:** N/R

**Deadline:** Fourth Friday in July, Annually

**To learn more:** [http://www.nsf.gov/pubs/2009/nsf09548/nsf09548.htm?govDel=USNSF\\_25](http://www.nsf.gov/pubs/2009/nsf09548/nsf09548.htm?govDel=USNSF_25)

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

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### **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

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LOI: N/R

Deadline: November 17, 2009

To learn more: [http://www.nsf.gov/pubs/2009/nsf09605/nsf09605.htm?govDel=USNSF\\_25](http://www.nsf.gov/pubs/2009/nsf09605/nsf09605.htm?govDel=USNSF_25)

Key Words: **STTR, Technology Transfer**

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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

To learn more: [http://www.nsf.gov/pubs/2008/nsf08564/nsf08564.htm?govDel=USNSF\\_25](http://www.nsf.gov/pubs/2008/nsf08564/nsf08564.htm?govDel=USNSF_25)

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

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-06-418.html>

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

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**

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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/PA-08-023.html>

Key Words: **Computational Biology, Computer Modeling, Mathematical Modeling (Medical), Outcomes Research (Medical), Physiological or Development Process**

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### **Advanced Neural Prosthetics Research and Development (U01)**

PA-09-063

National Institute of Neurological Disorders and Stroke (NINDS)

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

National Institute of Biomedical Imaging and Bioengineering (NIBIB)

The purpose of this Funding Opportunity Announcement (FOA) is to encourage applications to pursue translational and pilot clinical studies for neural prosthetics. The program will utilize the cooperative agreement mechanism to enable support for milestone-driven projects for the design, development, and demonstration of clinically-useful neural prosthetic devices. Activities supported in this program include implementation of clinical prototype devices, preclinical safety and efficacy testing, design verification and validation activities, pursuit of regulatory approval for clinical study, and proof-of-concept or pilot clinical studies.

Amount: \$5,000,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-063.html>

Key Words: **Neural Prosthetics**

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### **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**

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### **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>

Key Words: **Protein Structure Determination, High-Throughput, Technology Development**

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### **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**

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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 In

The National Institutes of Health (NIH) Investigator-Initiated Small Grant (R03) funding opportunity supports small research projects that can be carried out in a short period of time with limited resources. Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigator's area of interest and competency. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. All investigator-initiated small grant applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests.

Amount: \$100,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-163.html>

Key Words: **Small Grants**

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

PA-08-111

National Center for Research Resources

National Institute of Allergy and Infectious Diseases

National Institute of Environmental Health Sciences

National Institute of General Medical Sciences

This Funding Opportunity Announcement (FOA) encourages Small Business Innovation Research (SBIR) grant applications from small business concerns (SBCs) that propose to develop new technologies, tools, and/or processes for the study of transient molecular complexes. Depending on the complex, such studies should have the potential for characterizing normal function or disease dysfunction and the effects of potential therapeutic interventions. Awards will be used to create new technologies, tools, and/or processes that will help to study transient molecular complexes that are an integral part of normal cell physiology or that play a role in disease processes. Structural (stoichiometry, localization, symmetry, and overall shape) and kinetic characterization of these short-lived complexes will provide insight leading to a better understanding of normal processes and a means to efficiently search for diagnostics or therapeutic interventions for disease conditions.

Amount:

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-111.html>

Key Words:

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### **Instrument Development for Biomedical Applications (R21)**

RFA-RR-09-001

National Center for Research Resources (NCRR)

This funding opportunity announcement (FOA), issued by the National Center for Research Resources (NCRR), solicits innovative applications for the development of new or improved instrumentation for biomedical research. Projects should propose tools that can be used by a wide range of biomedical or clinical researchers, and not limited to a specific organ or disease.

Amount: \$375,000

LOI: N/R

Deadline: September 30, 2009

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To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-RR-09-001.html>

Key Words: **Biomedical Instrumentation**

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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: 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**

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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: N/R

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-180.html>

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

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### **Innovative and Applied Emerging Technologies in Biospecimen Science (R21), (R23) and (R33)**

RFA-CA-09-004

RFA-CA-09-005

RFA-CA-09-006

RFA-CA-09-007

National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA) issued by the National Cancer Institute (NCI), National Institutes of Health (NIH), solicits grant applications proposing exceptionally innovative, high risk, original and/or unconventional exploratory research projects focused on the inception and early stage development of highly innovative cancer-relevant technologies for biospecimen science. The overall goal is to develop and evaluate technologies capable of interrogating and/or maximizing the quality and utility of biospecimens for molecular analyses with minimal invasiveness or compromise to donor/patient health. This FOA will also support the development of tools, devices, instrumentation, and associated methods to assess sample quality, preserve/protect sample integrity, and establish verification criteria for quality assessment/quality control and handling under diverse conditions. Projects must clearly demonstrate potential to produce a major impact in the area of biospecimen science.

Amount: \$275,000

LOI: August 30, 2009

Deadline: September 30, 2009

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-09-004.html> and <http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-09-005.html> and <http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-09-006.html> and <http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-09-007.html>

Key Words: **Biospecimens, Molecular Analysis**

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### **International Research in Homeland Security Science & Technology Mission Areas**

DHS-09-ST-108-001

Department of Homeland Security

Office of Procurement Operations - Grants Division

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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**

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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

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

#### **New**

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://www5.komen.org/researchgrants/grantprograms.html?ecid=vanityurl:11>

Key Words: **Breast Cancer**

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## **Erythropoiesis: Components and Mechanisms (R01)**

**New**

PA-09-255

National Institute of Diabetes and Digestive and Kidney Diseases

National Heart, Lung, and Blood Institute (NHLBI)

National Institute on Aging (NIA)

This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) the National Institute of Aging (NIA), and the National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health, encourages investigator-initiated R01 applications that propose hypothesis-driven research using erythroid cells. The aim of this program is to support research efforts towards a complete description of the molecular and cellular components of erythropoiesis and how these components contribute to erythropoiesis. Components include genes that are expressed (transcriptome) in erythroid cells, either during development or during differentiation, and the proteins (proteome) that are translated in erythroid cells, especially with post-translational modifications or subcellular localizations that are unique to erythroid cells. A long range goal of this program is to generate a concise description of erythropoiesis that unifies genetics, molecular processes and cytokine determinants in the erythroid lineages so that new therapeutics may be developed to measure and combat anemia.

Amount: \$2,500,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-255.html>

Key Words: **Erythropoiesis**

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## **Notice of Availability of Serum Samples and Research Support for Validation of Hepatocellular Carcinoma (HCC) Biomarkers**

**New**

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:

LOI:

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**

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## **Image-guided Drug Delivery in Cancer (R01)**

**New**

PA-09-253

National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages innovative translational research in the development of quantitative in vivo imaging characterization of image-guided drug delivery (IGDD) in cancer, including characterizations of the target, delivery validation, and therapy response. This FOA will support research in development of integrated imaging-based platforms for multifunctional and multiplexed drug delivery systems in cancer. Validation studies in non-human primates or large animal models and first in human studies directed towards translation of IGDD technology into the clinic will be considered appropriate for this FOA.

Amount: \$2,500,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-253.html>

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

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## **National Cancer Institute (NCI) Cancer Education and Career Development Program (R25)**

## **New**

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-06-511.html>

Key Words: **Cancer, Nutrition, Imaging, Molecular Diagnosis**

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## **The Biology of Estrogen Receptor-Negative Breast Cancer in Various Racial and Ethnic Groups (U01)**

### **New**

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**

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## **Ovarian Cancer Research Program**

### **New**

W81XWH-09-OCRPOCADEAN

Department of Defense Congressionally Directed Medical Research Programs

The OCRP Ovarian Cancer Academy Dean Award supports visionary individuals who are established ovarian cancer researchers with a strong record of mentoring and a commitment to leadership. In addition to leading the Ovarian Cancer Academy, the Academy Dean will be recognized with the life-long title of Department of Defense (DOD) Ovarian Cancer Research Professorship.

The Ovarian Cancer Academy is envisioned as a unique, interactive virtual academy that will provide intensive mentoring, national networking, and a peer group for junior faculty in their pursuit to become successful, highly productive ovarian cancer researchers. The Ovarian Cancer Academy will be multi-institutional and will consist of five individually awarded Early-Career Investigators and their designated mentors. Each Early-Career Investigator will be within the first three years of his/her first faculty position (or equivalent) and his/her designated mentor will be an experienced ovarian cancer researcher with a strong record of mentoring young investigators. The OCRP Integration Panel (IP), Program Manager, and Grant Manager will assume the role of an external advisory board (EAB) to the Academy. The EAB will plan, organize, and host an annual one-day workshop and a biennial three-day conference for presentation of research, networking, and developing collaborative efforts by all Academy members. It is anticipated that participation in the Ovarian Cancer Academy will facilitate scientific collaborations, faculty advancement, as well as career progression and the receipt of independent peer reviewed funding for Early-Career Investigators.

Amount: \$500,000

LOI: Pre-Application September 9, 2009

Deadline: December 2, 2009

To learn more: [http://cdmrp.army.mil/funding/archive/09ocrpoca\\_pa2.pdf](http://cdmrp.army.mil/funding/archive/09ocrpoca_pa2.pdf)

Key Words: **Ovarian Cancer**

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## **Lung Cancer Biospecimen Resource Network (LCBRN) Award**

## **NEW**

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.
- \* 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: \$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**

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## **the ARC Léopold Griffuel Prize**

### **NEW**

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**

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## **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**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-063.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-064.html>

Key Words:

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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

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:

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-131.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-132.html>

Key Words:

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

PA-08-030 and PA-08-031

NIH



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

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

**LOI:** N/R

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

**To learn more:** <http://grants.nih.gov/grants/guide/pa-files/PA-08-030.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-031.html>

**Key Words:**

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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>

**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

**To learn more:** <http://grants1.nih.gov/grants/guide/pa-files/PA-07-021.html> and <http://grants1.nih.gov/grants/guide/pa-files/PA-07-022.html>

**Key Words:**

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### **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

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To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-133.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-134.html>

Key Words:

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### **NCI Transition Career Development Award to Promote Diversity (K22)**

PAR-08-047

NCI

This Funding Opportunity Announcement (FOA) represents the continuation of an NCI program to make possible the diversification of the cancer research workforce via facilitation of the transition of investigators from minority groups underrepresented in biomedical research, primarily those with clinical doctoral degrees as well as those with doctoral degrees working in the areas of cancer prevention, control, behavioral, or population science research, from the mentored stage of career development in academic cancer research to the independent stage. This goal is achieved by providing protected time through salary and research support for 3 years to: postdoctoral individuals or junior faculty in mentored positions transitioning into their first independent position; and investigators within the first 2 years of their first independent cancer research position, to initiate and develop their independently-supported cancer research programs.

**Amount:** 3 years of salary (up to \$75,000 per annum plus fringe benefits) and research support up to \$50,000 per annum.

**LOI:** N/R

**Deadline:** multiple, see listing

**To learn more:** <http://grants.nih.gov/grants/guide/pa-files/PA-08-047.html>

Key Words:

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### **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

**To learn more:** <http://grants1.nih.gov/grants/guide/pa-files/PA-07-454.html>

Key Words: **AIDS**

**Cancer Biology, Cancer or Carcinogenesis, Molecular Epidemiology**

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### **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/PA-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]**

PA-08-230 and PA-08-231

National Institute on Aging (NIA)

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

Amount: \$350,000

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-230.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-231.html>

Key Words: **Aging, Cancer**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-122.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-121.html>

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

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-151.html>

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

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-243.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-244.html> or <http://grants.nih.gov/grants/guide/pa-files/PAR-08-245.html>

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

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### **Stem Cells and Cancer (R21)**

PA-08-165

National Cancer Institute

National Institute on Aging

This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), and the National Institute on Aging (NIA), encourages research in all aspects of tumor stem cell biology, including the molecular and biochemical regulation of embryonic and adult stem cell behavior relevant to tumor formation. This FOA intends to stimulate efforts on isolation and characterization of tumor stem cells from a large spectrum of tumors. In addition, more research is encouraged to understand the genetic and biochemical regulatory mechanisms that control the self-renewal phenotype, asymmetric cell division, and the stem cell microenvironment (or "niche").

Amount: \$275,000 over a 2-year period

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-165.html>

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

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### **In Utero Exposure to Bioactive Food Components and Mammary Cancer Risk (R01) [PA-08-0140]**

### **In Utero Exposure to Bioactive Food Components and Mammary Cancer Risk (R21) [PA-08-0141]**

PA-08-140 and PA-08-141

National Cancer Institute

National Institute of Environmental Health Sciences

Office of Dietary Supplements

This Funding Opportunity Announcement (FOA) encourages innovative preclinical research applications that will enhance the understanding of the relationship between exposure(s) to bioactive food components and/or environmental chemicals in utero, hormonal and growth-factor response, gene expression or epigenetic changes, and subsequent mammary cancer risk in preclinical models. This FOA encourages applications that apply new high-throughput genomic, epigenomic, proteomic, and metabolomic technologies to determine how dietary exposures in utero influence adult breast cancer susceptibility. The resulting information will help define effective maternal dietary intervention strategies for breast cancer prevention in offspring.

Amount: varies

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-140.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-141.html>

Key Words:

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-156.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-157.html>

Key Words: **Biomarkers, Cancer Biology**

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## **Diet, Epigenetic Events, and Cancer Prevention (R01) and (R21)**

PA-09-234 and PA-09-235

National Cancer Institute (NCI)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

Office of Dietary Supplements (ODS)

The aim of this funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), and the Office of Dietary Supplements (ODS), of the National Institutes of Health (NIH), is to promote clinical and preclinical research to determine how diet and dietary factors, including dietary supplements, impact DNA methylation, histone posttranslational modification, noncoding RNA, and other epigenetic processes involved in cancer prevention and development. Another important aim of this FOA is to encourage collaborations between nutrition and epigenetic experts to study bioactive food components with cancer-preventative properties and to examine key epigenetic events in cancer processes (e.g., carcinogen metabolism, cell division, differentiation, and apoptosis) in order to begin to establish linkages between epigenetics, methylation patterns, and tumor incidences/behaviors.

**Amount:** varies

**LOI:** N/R

**Deadline:** Standard dates apply

**To learn more:** <http://grants.nih.gov/grants/guide/pa-files/PA-09-234.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-235.html>

**Key Words:** **DNA Methylation, Histones, Dietary Supplements, Cancer**

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## **Investigational Nutrigenetic Studies for Cancer Prevention**

**[(R01) PA-08-220] and [(R21) PA-08-221]**

PA-08-220 and PA-08-221

National Cancer Institute (NCI)

National Institute of Nursing Research (NINR)

Office of Dietary Supplements (ODS)

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

**Amount:** varies

**LOI:** N/R

**Deadline:** Standard dates apply

**To learn more:** <http://grants.nih.gov/grants/guide/pa-files/PA-08-220.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-221.html>

**Key Words:** **Dietary Intervention, Cancer Susceptibility, Genetic Predictions**

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## **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**

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## **Developmental Projects in Complementary Approaches to Cancer Care and Treatment (R21) and (R03)**

PA-09-167 and PA-09-168

National Cancer Institute (NCI)

National Institute of Nursing Research (NINR)

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), and the National Institute of Nursing Research (NINR), of the National Institutes of Health, invites applications for basic, pre-clinical, and clinical complementary cancer research. The research should relate to the areas of prevention, diagnosis, and treatment of cancer as well as management of cancer symptoms and side effects due to conventional cancer treatment. In addition, this FOA encourages the development and application of emerging and innovative technologies, including identification of novel therapeutics in the pharmacopoeia of Traditional Medical Systems (as defined by the World Health Organization), use of complementary approaches to improve the therapeutic ratio of standard and investigational anti-cancer therapies, and research on lifestyle modifications (e.g. diet, exercise, mind-body approaches) for their impact on cancer outcomes (e.g., response to conventional cancer therapy, survival). The overarching goals of this FOA is to encourage investigators to submit high quality, preliminary research of humans that will advance the science of Complementary and Alternative Medicine (CAM) and provide a solid foundation and justification for future research project (R01) grant applications to definitively determine the efficacy of CAM approaches.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-167.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-168.html>

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

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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: <http://grants.nih.gov/grants/guide/pa-files/PA-09-004.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-004.html>

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

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### **Erythropoiesis Stimulating Agents and Tumor Progression**

**[(R01) PA-09-023] and [(R21) PA-09-024]**

PA-09-023 and PA-09-024

National Cancer Institute (NCI)

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-023.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-024.html>

Key Words: **Angiogenesis, EPO, Erythropoietin, Cancer Therapy**

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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)

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This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages grant applications for research entailing the use of health claims data for cancer surveillance. Cancer surveillance may include assessment of patterns of care, quality, and outcomes of care, and health disparities across the continuum of treatment. Projects sought under this FOA may focus on treatment and outcomes at the patient-specific level or include influences from the provider or broader health-system level. This FOA will utilize the NIH Research Project Grant (R01) grant mechanism and runs in parallel with two other FOAs of identical scientific scope, that encourages applications under the R21 (PA-09-144) and the R03 (PA-09-143) mechanisms.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-145.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-144.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-143.html>

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

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-148.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-149.html>

Key Words: **Energy Balance, Cancer**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-158.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-159.html>

Key Words: **Cancer, Molecular Targeting**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-267.html>

Key Words: **Cancer, Clinical Translational Studies**

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## **National Cancer Institute Program Project (P01) Applications**

PAR-09-025

National Cancer Institute (NCI)

With this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI) invites applications for investigator-initiated program project (P01) grants. Proposed program projects may address any of the broad areas of cancer research, including (but not limited to) cancer biology, cancer treatment, cancer diagnosis, cancer prevention, and cancer control. Basic, translational, clinical, and/or population-based studies in all of these research areas are appropriate. Each Program Project application must consist of at least three component projects. The component projects must share a common central theme, focus, and/or overall objective.

Amount: varies

LOI: 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**

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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: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-160.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-09-161.html>

Key Words: **Cancer, Disparities, Epidemiology**

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### **Biomarkers for Early Detection of Hematopoietic Malignancies (R01) and (R21)**

PA-09-197 and PA-09-198

National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages research grant applications from institutions/organizations for the development and validation of biomarkers for: a) early detection, prediction of progression, and recurrence of hematopoietic malignancies, especially in high-risk individuals; and, b) for risk assessment of primary and secondary hematopoietic malignancies. This FOA is also encourages the development and improvement of specific technologies and methods for quantitative detection of novel biomarkers associated with hematopoietic malignancies.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-197.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-198.html>

Key Words: **Hematopoietic Cancers, Biomarkers**

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### **Innovative and Applied Emerging Technologies in Biospecimen Science (R21), (R23) and (R33)**

RFA-CA-09-004

RFA-CA-09-005

RFA-CA-09-006

RFA-CA-09-007

National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA) issued by the National Cancer Institute (NCI), National Institutes of Health (NIH), solicits grant applications proposing exceptionally innovative, high risk, original and/or unconventional exploratory research projects focused on the inception and early stage development of highly innovative cancer-relevant technologies for biospecimen science. The overall goal is to develop and evaluate technologies capable of interrogating and/or maximizing the quality and utility of biospecimens for molecular analyses with minimal invasiveness or compromise to donor/patient health. This FOA will also support the development of tools, devices, instrumentation, and associated methods to assess sample quality, preserve/protect sample integrity, and establish verification criteria for quality assessment/quality control and handling under diverse conditions. Projects must clearly demonstrate potential to produce a major impact in the area of biospecimen science.

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Amount: \$275,000

LOI: August 30, 2009

Deadline: September 30, 2009

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-09-004.html> and <http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-09-005.html> and <http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-09-006.html> and <http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-09-007.html>

Key Words: **Biospecimens, Molecular Analysis**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-06-449.html>

Key Words: **Cancer, Clinicians**

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### **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**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-088.html>

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

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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

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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](#)

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-162.html>

Key Words: **Cancer, Diversity Practitioners, Cancer Biology**

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### **Collaborative Research in Integrative Cancer Biology and the Tumor Microenvironment (U01)**

PAR-09-026

National Cancer Institute (NCI)

With this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI) encourages new collaborative projects between investigators associated with the Integrative Cancer Biology Program (ICBP) or Tumor Microenvironment Network (TMEN) and researchers who are not involved with the program with which they propose to collaborate. This FOA is designed to facilitate new projects in integrative cancer biology and/or tumor microenvironment research and to extend current research conducted in the ICBP and TMEN programs through collaborations with a broader research community. Research projects proposed in response to this FOA should be collaborative and aligned with the missions of the ICBP or TMEN programs. In addition to proposing new research, these projects should leverage the resources and expertise currently available within the ICBP and TMEN communities, in order to extend and enhance the programs with new ideas, methods, expertise, and resources.

Amount: varies

LOI: [September 19, 2009](#); [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](#)

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-026.html>

Key Words: **Cancer, Tumor Microenvironment**

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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](#)

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-157.html>

Key Words: **Cancer Center, Imaging**

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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: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-237.html>

Key Words:

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### **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 nutritional 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/PA-08-055.html>

Key Words: **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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-09-013.html>

Key Words: **Nanotechnology, Cancer**

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#### 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**

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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

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**

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### **Identifying Non-coding RNA Targets for Cancer Early Detection and Prevention (R21) and (R01)**

PA-09-200 and PA-09-199

National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages research grant applications from institutions/organizations on the discovery and characterization of non-coding (nc) RNAs in preneoplasias and early stage cancers to: 1) improve early cancer detection, intervention, and prevention; 2) predict risk of progression from preneoplasia to cancer, and 3) distinguish benign lesions from precancerous lesions.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-200.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-199.html>

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

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### **NCI Transition Career Development Award to Promote Diversity (K22)**

PAR-09-069

National Cancer Institute (NCI)

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

Amount: \$450,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-069.html>

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

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

PA-08-143 and PA-08-144

National Cancer Institute

This funding opportunity announcement (FOA) encourages Research Project Grant (R01) applications that propose to develop and validate new mitochondrial-related biomarkers for cancer early detection, diagnosis, prognosis, risk assessment, and response to preventive and ameliorative treatments.

Amount: varies

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-143.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-144.html>

Key Words:

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## **Diet-Induced Changes in Inflammation as Determinants of Colon Cancer**

**[(R01) PA-08-210]**

**[(R21) PA-08-211]**

PA-08-210 and PA-08-211

National Cancer Institute

This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), encourages the submission of grant applications that describe research projects focused on the identification and characterization of diet-induced changes in inflammation linked to colon cancer risks. This FOA is designed to stimulate research efforts that will lead to the identification and characterization of: diet-induced changes in anti- and pro-inflammatory mediators that modulate colon cancer risk; b) genetic polymorphisms that modify the responses to specific bioactive food components with regard to colon cancer inhibition; and c) the physiological effectiveness of dietary components in terms of concentration, activity, duration of exposure, degrees of stability, chemical forms, and receptor-binding affinity in inflammatory colonocytes. This FOA will not support applications that propose epidemiological studies based on diet-related risks of colon cancer.

Amount: varies

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-210.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-211.html>

Key Words: **Colon Cancer, Nutrition**

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## **Pilot studies in Pancreatic Cancer**

**[(R21) PA-08-208] and [(R03) PA-08-209]**

PA-08-208 and PA-08-209

National Cancer Institute

This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI) of the National Institutes of Health (NIH), solicits the submission of Research Project Grant (R21) applications from institutions and organizations that propose to promote innovative research across multiple disciplines for a better understanding of the biology, etiology, detection, prevention, and treatment of pancreatic cancer.

Amount: \$275,000

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-208.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-209.html>

Key Words: **Pancreatic Cancer**

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## **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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-09-009.html>

Key Words: **Fertility, Radiation Exposure**

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## **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/>

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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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### **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:

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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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### **FY09 DOD Lung Cancer Research Program Collaborative Translational Research Award**

W81XWH-09-LCRP-CTRA

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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=LNTBKGBcVp4vXJ1KqgZtmZzpkQCij2M1xjrTVfxth72b9fsTZlpTI-77834959>

Key Words: **Lung Cancer**

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## 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: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-135.html>

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:

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### **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

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LOI: N/R

Deadline: multiple (May 19, 2010)

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-06-418.html>

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)

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**

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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

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-002.html>

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

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### **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), National Institutes of Health (NIH), 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**

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### **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**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-072.html>

Key Words: **CAM**

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### **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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-07-003.html>

Key Words: **CAM, Complementary Alternative Medicine, Career Award, Training Grant**

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### **Developmental Projects in Complementary Approaches to Cancer Care and Treatment (R21) and (R03)**

PA-09-167 and PA-09-168

National Cancer Institute (NCI)

National Institute of Nursing Research (NINR)

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), and the National Institute of Nursing Research (NINR), of the National Institutes of Health, invites applications for basic, pre-clinical, and clinical complementary cancer research. The research should relate to the areas of prevention, diagnosis, and treatment of cancer as well as management of cancer symptoms and side effects due to conventional cancer treatment. In addition, this FOA encourages the development and application of emerging and innovative technologies, including identification of novel therapeutics in the pharmacopoeia of Traditional Medical Systems (as defined by the World Health Organization), use of complementary approaches to improve the therapeutic ratio of standard and investigational anti-cancer therapies, and research on lifestyle modifications (e.g. diet, exercise, mind-body approaches) for their impact on cancer outcomes (e.g., response to conventional cancer therapy, survival). The overarching goals of this FOA is to encourage investigators to submit high quality, preliminary research of humans that will advance the science of Complementary and Alternative Medicine (CAM) and provide a solid foundation and justification for future research project (R01) grant applications to definitively determine the efficacy of CAM approaches.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-167.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-168.html>

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

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### **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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-09-031.html> and <http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-09-030.html>

Key Words: **Pets, Children, Obesity, Asthma, Child Development**

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## **Cytomics**

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

**New**

PA-09-248

National Heart, Lung, and Blood Institute (NHLBI)

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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**

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## **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](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12772)

Key Words: **Cell Biology**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-215.html>

Key Words: **Pharmacology**

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## **Metals in Medicine (R01)**

PA-08-251

National Institute of General Medical Sciences

National Cancer Institute

National Institute of Environmental Health Sciences

Office of Dietary Supplements

The objective of this Funding Opportunity Announcement (FOA), issued by the National Institute of General Medical Sciences (NIGMS), National Cancer Institute (NCI), National Institute of Environmental Health Sciences (NIEHS), and the Office of Dietary Supplements (ODS), National Institutes of Health is to encourage research that bridges the areas of inorganic chemistry and medicine. The

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mechanisms by which organisms control transition metal ions and the roles of these metals in cellular regulation and signaling in health and disease are of principal interest. The interactions of synthetic inorganic complexes with living systems and their components are an additional area of interest. These areas are linked by the need to involve researchers having a deep understanding of inorganic chemistry in medically relevant research. Much of the work is expected to involve collaborations including chemists, biologists, and medical researchers. The results will be relevant to understanding the mechanisms of metal handling by biological systems and the basic cellular roles underlying the nutritional requirement for essential metals. It is expected that this research will also contribute to the identification of new targets for drug discovery, diagnostics, and future therapeutic approaches involving metal complexes, although drug development, per se, is not a focus of the program.

Amount: varies

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-251.html>

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

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### **Biomedical Research on the International Space Station (BioMed-ISS) (UH2/UH3)**

PAR- 09-120

National Cancer Institute (NCI)

National Center for Research Resources (NCRR)

National Heart, Lung, and Blood Institute (NHLBI)

National Institute on Aging (NIA)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

National Institute of Arthritis an

The National Institutes of Health (NIH) and the National Aeronautics and Space Administration (NASA) are cooperating to facilitate biomedical research in space for better understanding of human physiology and human health on Earth. The NIH uses this FOA to publicize the availability of the International Space Station (ISS) as a National Laboratory, and to announce the NIH BioMed-ISS program encouraging investigator-initiated applications for biomedical research that will use the unique microgravity and radiation environment and resources of the ISS to test innovative hypotheses for the potential benefit of human health on Earth. Applications to this FOA should propose innovative biomedical research on the molecular or cellular level that is directly relevant to the NIH mission and can be carried out on the ISS.

Awards made through this FOA will initially support milestone-driven, ground based preparatory studies (UH2 ground feasibility phase), with possible rapid transition to the second, ISS-based research phase (UH3 ISS experimental phase). The ground feasibility phase (UH2) will allow investigators to focus on ground-based preparatory work to meet scientific milestones and technical requirements leading to the ISS experimental phase (UH3). The UH3 phase will include preparing the experiments for launch, conducting them on the ISS, and the subsequent data analyses on Earth. UH3s will be awarded after administrative review of the eligible UH2s that have met the scientific milestones and feasibility requirements necessary to conduct research on the ISS. The UH2/UH3 application must be submitted as a single application, and applicants should note specific instructions for each phase in this FOA.

Amount: \$300,000-\$1,500,000

LOI: August 31, 2009, 2010, 2011

Deadline: September 30, 2009, 2010, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-120.html>

Key Words: **Molecular, Cellular, Microgravity, Radiation Environment, Space**

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### **Identifying Non-coding RNA Targets for Cancer Early Detection and Prevention (R21) and (R01)**

PA-09-200 and PA-09-199

National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages research grant applications from institutions/organizations on the discovery and characterization of non-coding (nc) RNAs in preneoplasias and early stage cancers to: 1) improve early cancer detection, intervention, and prevention; 2) predict risk of progression from preneoplasia to cancer, and 3) distinguish benign lesions from precancerous lesions.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-200.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-199.html>

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

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### **Biomarkers for Early Detection of Hematopoietic Malignancies (R01) and (R21)**

PA-09-197 and PA-09-198

National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages research grant applications from institutions/organizations for the development and validation of biomarkers for: a) early detection, prediction of progression, and

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recurrence of hematopoietic malignancies, especially in high-risk individuals; and, b) for risk assessment of primary and secondary hematopoietic malignancies. This FOA is also encourages the development and improvement of specific technologies and methods for quantitative detection of novel biomarkers associated with hematopoietic malignancies.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-197.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-198.html>

Key Words: **Hematopoietic Cancers, Biomarkers**

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## Diabetes, Endocrine and Metabolism

### **Health Disparities in NIDDK Diseases (R01)**

**New**

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**

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### **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)**

**New**

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**

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### **Beta Cell Biology Consortium (U01)**

**New**

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](http://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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-09-011.html>

Key Words: **Beta Cells, Islets**

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## **Change of Application Receipt Date for NIDDK PAR-08-182: Collaborative Interdisciplinary Team Science in Diabetes, Endocrinology and Metabolic Diseases (R24)**

**NEW**

NOT-DK-09-017

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

The purpose of this Notice is to change the final Receipt Date for PAR-08-182: Collaborative Interdisciplinary Team Science in Diabetes, Endocrinology and Metabolic Diseases (R24), <http://grants.nih.gov/grants/guide/pa-files/PAR-08-182.html>, from March 24, 2011 to November 3, 2010. The Key Dates and Section IV., 3A: Receipt, Review and Anticipated Start Date sections have been updated as follows:

Letter of Intent Receipt Date: October 4, 2010

Application Receipt Date: November 3, 2010

Peer Review Date: February/March 2011

Council Review Date: May 2011

Earliest Anticipated Start Date: September 30, 2011

Expiration Date: March 25, 2011

Applicants should also note that the March 24, 2010 application receipt date is still in effect. Thus, there are two application receipt dates in 2010: March 24, 2010 and November 3, 2010. All other aspects of this announcement remain unchanged.

Amount:

LOI:

Deadline: Released September 4, 2009

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-DK-09-017.html>

Key Words: **NIDDK, Diabetes, R24**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-015.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-016.html>

Key Words:

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## **Role of Adipose Tissue as an Endocrine Organ in Reproduction and Infertility (R01) [PA-08-059] and (R21) [PA-08-060]**

PA-08-059 and PA-08-060

NIH

This Funding Opportunity Announcement (FOA) issued by the National Institute of Child Health and Human Development, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/ organizations that propose to better understand the role of adipose tissue in the normal physiological regulation of reproduction, to discern its possible role in the etiology of diseases and disorders that impact human fertility, and to probe its potential importance in different racial/ethnic prevalence rates of certain reproductive disorders.

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Amount: varies

LOI: N/R

Deadline: multiple, see link

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-059.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-060.html>

Key Words:

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### **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:

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

PA-09-165 and PA-09-166

National Institute on Aging (NIA)

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

This Funding Opportunity Announcement (FOA) issued by the National Institute on Aging (NIA) and the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health, invites applications that propose basic, clinical, and translational research on chronic kidney disease (CKD) and its consequences in aging and in older persons. Applications should focus on the 1) biology and pathophysiology of CKD in animal models; 2) etiology and pathophysiology of CKD in the elderly; 3) epidemiology and risk factors for the development of CKD with advancing age; and/or 4) diagnosis, medical management and clinical outcomes of CKD in this population. Research supported by this initiative should enhance knowledge of CKD and its consequences in the elderly and provide evidence-based guidance in the diagnosis, prevention, and treatment of CKD in older persons.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-165.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-166.html>

Key Words: **Kidney Disease, Diabetes, Aging**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-133.html>

Key Words: **Diabetes, Cystic Fibrosis, Metabolic Disease**

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

PAR-08-160

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National Institute of Diabetes and Digestive and Kidney Diseases

National Institute of Mental Health

This Funding Opportunity Announcement (FOA) invites investigator-initiated research grant applications for studies examining the adverse metabolic effects (i.e., obesity and diabetes) of psychotropic medications in animal models and across the human lifespan (including pediatric, adult and geriatric populations). Applications responsive to this FOA should focus on 1) increasing the understanding of the nature, rates, and pathophysiology of adverse metabolic effects of psychotropic medications, 2) elucidating biomedical and psychosocial risk factors for the development of metabolic adverse effects of psychiatric therapeutics, and 3) develop interventions to prevent and/or mitigate metabolic adverse effects across the lifespan.

**Amount:** up to \$500,000 per year

**LOI:** A letter of intent is requested 30 days prior to application receipt date

**Deadline:** multiple dates (June 22, 2009, February 22, 2010, October 22, 2010, June 22, 2011, February 22, 2012)

**To learn more:** <http://grants.nih.gov/grants/guide/pa-files/PAR-08-160.html>

**Key Words:** **Neuropharmacology, Neuropsychopharmacology, Pathophysiology**

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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:**

**LOI:** N/R

**Deadline:** November 2, 2009, March 1, 2010, July 1, 2010, November 1, 2010, March 1, 2011, July 1, 2011, November 1, 2011, March 1, 2012

**To learn more:** <http://grants.nih.gov/grants/guide/pa-files/PAR-09-177.html>

**Key Words:** **Obesity, Diabetes**

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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

**Deadline:** November 2, 2009, March 1, 2010, July 1, 2010, November 1, 2010, March 1, 2011, July 1, 2011, November 1, 2011, March 1, 2012

**To learn more:** <http://grants.nih.gov/grants/guide/pa-files/PAR-09-176.html>

**Key Words:** **Obesity, Diabetes**

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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

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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/PA-09-223.html>

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

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

PA-09-181

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

National Heart Lung and Blood Institute (NHLBI)

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-181.html>

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

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### **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/PA-06-554.html>

Key Words: **Biomedical Research Training, Diabetes, Digestive Diseases and Disorders, Endocrinologic Diseases, Medical Education, Medical Informatics, Nutrition Disorders, Obesity**

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### **Pilot and Feasibility Clinical Research Grants in Kidney or Urologic Diseases (R21)**

PAR-09-077

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

This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, encourages Exploratory/Development Research Grants (R21) that propose small scale or pilot and feasibility clinical and translational research studies, including epidemiological studies or clinical trials related to kidney or urologic disease research that address important clinical and translational questions and are potentially of high clinical and public health impact. It is anticipated that some projects supported by these grants may lead to full-scale clinical studies including diagnostic strategies, epidemiological studies, or randomized clinical trials of diagnosis, prevention, or treatment of kidney or urologic diseases.

Amount: \$500,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-077.html>

Key Words: **Kidney Disease, Urinary Disease**

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

PAR-09-247

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

This Funding Opportunity (FOA) encourages Research Project Grant (R01) applications from qualified investigators to conduct ancillary studies to major ongoing clinical research studies, including clinical trials, epidemiological studies and disease databases supported by the National Institute of Diabetes and Digestive and Kidney Diseases. Major studies include multi-center investigations, national databases and Phase 3 clinical trials. Examples of NIDDK-supported major clinical research studies eligible for ancillary studies may be found at <http://www2.niddk.nih.gov/Research/ClinicalResearch/AncillaryStudies>

Amount: \$2,500,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-247.html>

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

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### **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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-09-006.html>

Key Words: **Obesity**

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### **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

Deadline: March 24, 2010, November 3, 2010; March 24, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-182.html>

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

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

PAR-08-181

National Institute of Diabetes and Digestive and Kidney Diseases

The purpose of the Seeding Collaborative Interdisciplinary Team Science Program described in this announcement is to provide initial support to enable strong new investigative teams to form, and to foster preliminary research activities. It is anticipated that research teams receiving seeding support under this program will be well positioned to compete for funds through the parent NIDDK Collaborative Interdisciplinary Research Program in Diabetes, Endocrinology and Metabolic Diseases solicitation.

Amount: \$300,000

LOI: August

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-181.html>

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

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## 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](http://www.ssat.com/cgi-bin/awards_Career_Development.cgi)

Key Words: **Gastroenterology, Surgery**

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### **Role of Adipose Tissue as an Endocrine Organ in Reproduction and Infertility (R01) [PA-08-059] and (R21) [PA-08-060]**

PA-08-059 and PA-08-060

NIH

This Funding Opportunity Announcement (FOA) issued by the National Institute of Child Health and Human Development, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/ organizations that propose to better understand the role of adipose tissue in the normal physiological regulation of reproduction, to discern its possible role in the etiology of diseases and disorders that impact human fertility, and to probe its potential importance in different racial/ethnic prevalence rates of certain reproductive disorders.

Amount: varies

LOI: N/R

Deadline: multiple, see link

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-059.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-060.html>

Key Words:

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### **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:

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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

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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**

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

PA-09-181

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

National Heart Lung and Blood Institute (NHLBI)

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

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-151.html>

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

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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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-09-005.html>

Key Words: **Liver Disease, Digestive Disease**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-243.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-244.html> or <http://grants.nih.gov/grants/guide/pa-files/PAR-08-245.html>

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

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## **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**

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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>

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

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## **Education and Curriculum Development**

### **Evaluating Innovations in Nursing Education**

**New**

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**

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## **National Cancer Institute (NCI) Cancer Education and Career Development Program (R25)**

**New**

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-06-511.html>

Key Words: **Cancer, Nutrition, Imaging, Molecular Diagnosis**

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## **Transforming Primary Care Practice (R18)**

**New**

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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HS-10-002.html>

Key Words: **Primary Care, Health Outcomes**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-081.html>

Key Words:

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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

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:

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### **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

To learn more: [http://www.nsf.gov/pubs/2009/nsf09598/nsf09598.htm?govDel=USNSF\\_25](http://www.nsf.gov/pubs/2009/nsf09598/nsf09598.htm?govDel=USNSF_25)

Key Words: **Undergraduate Fellowships**

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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

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Deadline: July 5, 2010

To learn more: [http://www.nsf.gov/pubs/2009/nsf09554/nsf09554.htm?govDel=USNSF\\_25](http://www.nsf.gov/pubs/2009/nsf09554/nsf09554.htm?govDel=USNSF_25)

Key Words: **International Collaboration**

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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**

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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.

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-029.html>

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

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### **NINDS Diversity Research Education Grants in Neuroscience (R25)**

PAR-07-456

National Institute of Neurological Disorders and Stroke (NINDS)

The NINDS Research Education Grant is a flexible and specialized mechanism designed to foster the development of neuroscience researchers through creative and innovative educational programs. Programs are sought that focus on preparing researchers in cross-disciplinary integration of neuroscience, including basic, translational, behavioral, prevention, clinical, and treatment research. Of particular interest are educational experiences that will attract, train, and further the career development of underrepresented biomedical scientists to improve the diversity of the research workforce relevant to the mission of NINDS. The NIH expects efforts to diversify the workforce to lead to the recruitment of the most talented researchers from all groups.

Amount: \$1,250,000

LOI: Nonrequired letters of intent may be sent 30 days prior to the application submission date.

Deadline: standard dates apply (Sep 25, 2009)

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PAR-07-456.html>

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

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### **Mental Health Dissertation Research Grant to Increase Diversity (R36)**

PAR-09-132

National Institute of Mental Health (NIMH)

The purpose of this funding opportunity is to increase the diversity of the mental health research workforce. It will enable qualified doctoral candidates to pursue research careers in any area relevant to the research mission of the National Institute of Mental Health

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(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)

**To learn more:** <http://grants.nih.gov/grants/guide/pa-files/PAR-09-132.html>

**Key Words:** **Doctoral Training Support, Mental Health Professions**

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### **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

**To learn more:** <http://grants.nih.gov/grants/guide/pa-files/PAR-07-432.html>

**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**

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### **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**

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### **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

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Deadline: standard dates apply (Sep 25, 2009)

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PAR-08-003.html>

Key Words: **Behavioral Medicine, Biomedical Research (Multidisciplinary)**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-245.html>

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

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### **IDeA Networks of Biomedical Research Excellence (INBRE) [P20]**

PAR-08-150

National Center for Research Resources (NCRR)

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

Amount: \$7,500,000

LOI: June 22, 2010

Deadline: July 22, 2010

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-150.html>

Key Words: **INBRE, IDeA, Biomedical Research Programs**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-154.html>

Key Words: **HIV/AIDS, Endemic Countries, Training**

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

PAR-08-207

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

National Institute of Neurological Diseases and Stroke (NINDS)

National Heart Lung and Blood Institute (NHLBI)

National Institute of Mental Health (NIMH)

National Inst

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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**

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### **Health Care Grant**

DFAV

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

Amount: \$100,000-\$200,000

LOI: N/R

Deadline: Continuous

To learn more: <http://www.avdfdn.org/programs-healthcare.htm>

Key Words:

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### **NIOSH Support for Conferences and Scientific Meetings (R13)**

PAR-08-072

Centers for Disease Control and Prevention

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

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

Amount: \$20,000

LOI: Sixty calendar days in advance of standard Application

Deadline: Standard dates apply (April 12, August 12, December 12)

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-072.html>

Key Words: **Occupational Health**

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## **Emergency Medicine**

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

**New**

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&opId=49231>

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

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### **Octapharma 25th Anniversary Grants Program**

Octapharma

The company's first ever grants program is only available to researchers based in the United States and will be administered exclusively by Octapharma USA, the Swiss company's U.S. subsidiary. The program will support clinical or pre-clinical research focusing on human protein therapies in coagulation disorders, immunology, intensive care, and emergency medicine.

Amount: unspecified

LOI: N/R

Deadline: twice yearly; April and October

To learn more: <http://www.octapharmagrants.com/>

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

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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>

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-261.html>

Key Words: **Emergency Medical Services for Children**

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## Equipment

### **SRU'S Label-Free Technology Research Grants**

#### **NEW**

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](mailto:dcatron@shimadzy.com)

**Key Words:** **Equipment, LCMS-IT-TOF, Mass Spectrometer**

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## Eyes, Ears, Nose, Throat

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

#### **NEW**

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**

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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>

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

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### **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](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5686)

Key Words: **Cognition, Vision, Attention, Memory**

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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

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-037.html> and <http://grants1.nih.gov/grants/guide/pa-files/PA-07-038.html>

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

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**

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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

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-399.html>

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-056.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-09-057.html>

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-228.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-06-366.html>

Key Words: **Auditory, Development**

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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 analyses.

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**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-176.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-177.html>

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

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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>

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

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## **Family Medicine**

### **Safety-net Enhancement Initiative**

**NEW**

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/](http://www.kresge.org/index.php/program_updates/article/kresge_foundation_announces_two_new_health_initiatives/)

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

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### **The Health Clinic Opportunity Fund**

**NEW**

The Kresge Foundation

The Health Clinic Opportunity Fund is targeted to free clinics, public health clinics and those designated federally qualified health center look-alikes and is designed to support and strengthen their capacity to meet both the immediate and long-term health needs of their constituents.

Amount: \$150,000

LOI: N/R

Deadline: March 1, 2010

To learn more: [http://www.kresge.org/index.php/program\\_updates/article/kresge\\_foundation\\_announces\\_two\\_new\\_health\\_initiatives/](http://www.kresge.org/index.php/program_updates/article/kresge_foundation_announces_two_new_health_initiatives/)

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

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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

**To learn more:** [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=8671](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=8671)

**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

**To learn more:** <http://grants1.nih.gov/grants/guide/pa-files/PA-07-037.html> and <http://grants1.nih.gov/grants/guide/pa-files/PA-07-038.html>

**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

**To learn more:** <http://grants.nih.gov/grants/guide/pa-files/PA-09-017.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-018.html> or <http://grants.nih.gov/grants/guide/pa-files/PA-09-019.html>

**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)

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In this Funding Opportunity Announcement (FOA), the National Institute of Mental Health (NIMH), the National Institute on Drug Abuse (NIDA), the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), and the Agency for Healthcare Research and Quality, encourage research on women's mental health in relation to pregnancy and the postpartum period. As illustrated by a few highly publicized cases, the consequences of severe untreated postpartum depression and psychosis can be devastating for individuals, families, and communities. A recent evidence-based practice report from the Agency for Healthcare Research and Quality noted that depression is also prevalent during pregnancy as well as the postpartum period, therefore research that occurs throughout pregnancy and the postpartum period (the perinatal period) is encouraged.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-174.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-175.html>

Key Words: **Post-Partum Depression**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-207.html>

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>

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

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### **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**

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## Exploring Epigenomic Processes and Non-Coding RNAs in HIV/AIDS (R01) and (R21)

**NEW**

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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-010.html> and <http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-011.html> and <http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-012.html>

Key Words: **Epigenetics, Substance Abuse, HIV/AIDS**

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## Epigenetic Processes in Development (R21)

**New**

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 18, 2009

Deadline: November 18, 2009

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-09-033.html>

Key Words: **Epigenetics**

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## 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:

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

PAR-08-123

NIH

This Funding Opportunity Announcement (FOA) issued by the National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health, solicits applications proposing genome-wide association studies (GWAS) of phenotypes relevant to the NIAMS mission, to be conducted with existing genetic and phenotypic data, such as may be obtained from the NIH database of Genotype and Phenotype (dbGaP) or other sources of genotype and phenotypic 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:

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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>

**Key Words:**

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### **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:**

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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

**To learn more:** <http://grants.nih.gov/grants/guide/pa-files/PA-08-013.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

**To learn more:** <http://grants.nih.gov/grants/guide/pa-files/PAR-08-081.html>

**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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-011.html>

Key Words:

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## 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](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12772)

Key Words: **Cell Biology**

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

PA-06-468/PA-08-226

National Institutes of Health (NIH)

The objective of the National Research Service Award (NRSA) program is to provide predoctoral and postdoctoral research training opportunities for individuals interested in pursuing research careers in biomedical, behavioral and clinical research. Each NIH Institute and Center has a unique scientific purview and different program goals and initiatives that evolve over time. It is therefore critical that all applicants consult with the scientific/research contact at the relevant NIH Institute or Center for current information about program priorities and policies before preparing an application. This action is of utmost importance because applications with marginal or no relevance to the NIH awarding components participating in this funding opportunity announcement will not be accepted for review or considered for funding.

Amount: varies

LOI: N/R

Deadline: Jan 25 annually; May 25 annually

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**

### **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

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-414.html>

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

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### **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/pa-files/PAR-08-094.html>

Key Words: **Genome Research**

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### **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**

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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)

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-158.html>

Key Words: **Animal Models**

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### **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**

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

PAR-08-199

National Institute of Mental Health (NIMH)

With the initial stages of the Human Genome Project completed and new insights gained into the complex interplay of genomic function, genomic structure and the environment in mental disorders, attention is shifting towards the translational promise of the completed human sequence and a new era of genomic medicine in mental disorders. A special emphasis of this Funding Opportunity Announcement (FOA) issued by the National Institute of Mental Health (NIMH), National Institutes of Health (NIH), is to support applications that implement large-scale studies and innovative analytical designs that will disaggregate a given mental disorder into components of finite risks. These developments may be evolutionary or may be fundamentally new and may lead to paradigm shifts in the field. Applications submitted in response to this FOA may propose new technologies for cost effective whole genome analysis and in-depth sequencing and analysis of candidate genes and genomic regions in pedigrees or in a sample of unrelated cases with mental disorders. Applications for large-scale haplotype analysis and the development of new analytical methods also are encouraged.

Amount: varies

LOI: N/R

Deadline: standard application deadlines for the R01 funding mechanism are February 5, June 5, and October 5.

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-199.html>

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

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### **Genetic and Genomic Resources for Emerging Non-Mammalian Model Organisms (R24)**

PA-07-457

National Institute of General Medical Sciences (NIGMS)

NIGMS invites investigator-initiated applications for research designed to generate genetic tools and genomic resources that will enable researchers to exploit the full potential of novel or developing model systems for comparative and functional genomic studies. The

typical organism to be considered should have a publicly available draft of the genomic DNA sequence with a minimum of 5X coverage. In addition, the organism should show promise as, or be, a model for basic biological, developmental, or behavioral mechanisms.

Amount: \$1,000,000

LOI: N/R

Deadline: standard dates apply (Sep 25, 2009)

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-457.html>

Key Words: **Genetics, Genomics**

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### **Enhancing Zebrafish Research with Research Tools and Techniques (R01)**

PAR-08-139

National Institute of Diabetes and Digestive and Kidney Diseases

National Cancer Institute

National Eye Institute

National Human Genome Research Institute

National Heart, Lung, and Blood Institute

National Institute on Alcohol Abuse and Alcoholism

Nationa

This FOA encourages investigator-initiated applications designed to exploit the power of the zebrafish as a vertebrate model for biomedical and behavioral research. Applications proposing to develop new research tools or techniques that are of high priority to the zebrafish community and that will advance the detection and characterization of genes, pathways, and phenotypes of interest in development and aging, organ formation, neural processes, behavior, sensory processing, physiological processes, and disease processes are welcome. This effort stems from an NIH initiative developed by the Institutes and Centers of the Trans-NIH Zebrafish Coordinating Committee (TZCC) under the co-chairmanship of NICHD and NIDDK.

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

LOI: August 17, 2010

Deadline: September 17, 2010

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-139.html>

Key Words:

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### **Genetic Screens to Enhance Zebrafish Research (R01)**

PAR-08-138

National Institute of Child Health and Human Development

National Cancer Institute

National Heart, Lung, and Blood Institute

National Institute on Aging

National Institute on Alcohol Abuse and Alcoholism

National Institute of Arthritis and Musculoskeletal

This FOA encourages investigator-initiated applications designed to exploit the power of the zebrafish as a vertebrate model for biomedical and behavioral research. Applications proposing to develop new genetic screens of high priority to the zebrafish community that will advance the detection and characterization of genes, pathways, and phenotypes of interest in development and aging, organ formation, neural processes, behavior, sensory processes, physiological processes, and disease processes are welcome. This effort stems from an NIH initiative developed by the Institutes and Centers of the Trans-NIH Zebrafish Coordinating Committee (TZCC) under the co-chairmanship of NICHD and NIDDK.

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

LOI: August 25, 2009, August 25, 2010

Deadline: September 24, 2009, September 24, 2010

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-138.html>

Key Words:

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### **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.

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Amount: \$500,000

LOI: August 31, 2009; June 1, 2010; June 1, 2011

Deadline: September 29, 2009; June 29, 2010; June 29, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-135.html>

Key Words: **GWAS, Genome-Wide Analysis, Musculoskeletal and Skin Diseases, Arthritis**

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### **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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-030.html>

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 In

The National Institutes of Health (NIH) Investigator-Initiated Small Grant (R03) funding opportunity supports small research projects that can be carried out in a short period of time with limited resources. Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigator's area of interest and competency. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. All investigator-initiated small grant applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests.

Amount: \$100,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-163.html>

Key Words: **Small Grants**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-245.html>

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)  
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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-164.html>

Key Words: **Biomedical, Behavioral, or Clinical Research**

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### **Investigational Nutrigenetic Studies for Cancer Prevention [(R01) PA-08-220] and [(R21) PA-08-221]**

PA-08-220 and PA-08-221

National Cancer Institute (NCI)

National Institute of Nursing Research (NINR)

Office of Dietary Supplements (ODS)

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-220.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-221.html>

Key Words: **Dietary Intervention, Cancer Susceptibility, Genetic Predictions**

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### **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

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**

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### **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

To learn more: <http://www.arl.army.mil/www/DownloadedInternetPages/CurrentPages/DoingBusinesswithARL/research/07r0003-02.pdf>

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

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## Geriatrics/Aging

### Healthy Aging through Behavioral Economic Analyses of Situations (R01)

**New**

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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-10-008.html>

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

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### Medication Optimization Diffusion Grants Program

**NEW**

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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### 2010 Julie Martin Award in Aging Research

**New**

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](http://foundationcenter.org/pnd/rfp/rfp_item.jhtml?id=264000012)

Key Words: **Mid-Career Scientists, Aging**

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## The 2010 AFAR Research Grants

### **New**

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**

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## 2010 Association of Specialty Professors-AAAAI Geriatrics Development Initiative Junior Faculty Development Award.

### **NEW**

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](http://foundationcenter.org/pnd/rfp/rfp_item.jhtml?id=264700043)

Key Words: **Aging, Allergy, Asthma**

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## 2010 ADDF/LBDA Lewy Body Dementia Biomarker Research Award”

### **NEW**

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**

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## Frontotemporal Dementia Drug Discovery Program

### **NEW**

Alzheimer's Drug Discovery Foundation

The Alzheimer's Drug Discovery Foundation (ADDF) and The Association for Frontotemporal Dementias (AFTD) seek to accelerate and support drug discovery for FTD and related dementias through this Request for Proposals (RFP).

Research investigating the pathologic mechanisms of neurodegeneration in frontotemporal dementia (FTD) and related disorders has advanced recently, creating new potential targets for drug discovery.

Examples of programs appropriate for this RFP include, but are not limited to:

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- Target validation studies
- Development and testing of novel high throughput screening assays
- Medicinal chemistry on lead compounds
- Identification and in vitro testing of potentially disease modifying lead compounds
- Testing of lead compounds in a relevant animal model for preclinical proof of concept
- ADME, toxicology, pharmacokinetics, pharmacodynamics on lead compounds
- Development and testing of targeted gene delivery strategies
- Development of biomarkers to accelerate drug development and early diagnosis
- Innovative pilot clinical trials

Amount: unspecified

LOI: N/R

Deadline: October 1, 2009

To learn more: <http://www.alzdiscovery.org/index.php/research-programs/grant-opportunities>

Key Words: **frontotemporal dementia (FTD), Neurodegeneration, Drug Discovery**

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## **AHRQ Notice of Intent to Publish a Request for Applications for Health Information Technology (IT) Projects Focused on Providing Integrated Services to Improve Health and Functioning in Older Adults**

**NEW**

NOT-HS-09-012

Agency for Healthcare Research and Quality (AHRQ)

This Notice announces AHRQ's intention to publish a Demonstration Cooperative Agreement (U18) Funding Opportunity Announcement (FOA) to solicit applications from organizations that propose to carry out community-based participatory research on the use of communication and information focused technologies (IT) for improving health status and functionality of, and health-related services provided to, older adults. Further, a related focus is on applied research, with the objective of developing sustainable and reproducible strategies that will translate research into practice effectively and efficiently.

This five year initiative has three broad strategic themes: 1) using IT to extend independence and functioning, as well as reduce unnecessary health care utilization by older adults; 2) using IT to place the individual and families at the center of expanded and more efficient service delivery networks; and 3) developing innovative approaches to translate evidence generated in the first two thematic areas into practice.

Research results are intended to enhance the independence and functionality of older adults through fundamental and applied research, development of tools, conduct of demonstration projects, educational program development and implementation, and evaluation and dissemination of results. This cooperative agreement initiative will support a broad, integrated, multidisciplinary, multi-project health services research program -- a center of excellence -- that will bring together strong teams of experienced and new researchers.

Amount:

LOI:

Deadline: Released September 1, 2009

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-HS-09-012.html>

Key Words: **Independence, Aging**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-015.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-016.html>

Key Words:

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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/PA-08-062.html>

**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

**To learn more:** <http://grants.nih.gov/grants/guide/pa-files/PA-08-037.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-038.html>

and <http://grants.nih.gov/grants/guide/pa-files/PA-08-039.html>

**Key Words:**

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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

**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**

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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

**To learn more:** <http://grants.nih.gov/grants/guide/pa-files/PA-09-017.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-018.html>

or <http://grants.nih.gov/grants/guide/pa-files/PA-09-019.html>

**Key Words:** **HIV/AIDS, HIV, Aging**

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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

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The National Institute on Deafness and Other Communication Disorders (NIDCD) invites grant applications using comprehensive systems biology approaches intended to restore lost auditory hair cells and their sensory function following damage to the inner ear from a variety of factors including disease, aminoglycosides, noise, and aging.

Amount: \$500,000

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-176.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-177.html>

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

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-161.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-162.html>

Key Words:

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

PA-09-165 and PA-09-166

National Institute on Aging (NIA)

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

This Funding Opportunity Announcement (FOA) issued by the National Institute on Aging (NIA) and the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health, invites applications that propose basic, clinical, and translational research on chronic kidney disease (CKD) and its consequences in aging and in older persons. Applications should focus on the 1) biology and pathophysiology of CKD in animal models; 2) etiology and pathophysiology of CKD in the elderly; 3) epidemiology and risk factors for the development of CKD with advancing age; and/or 4) diagnosis, medical management and clinical outcomes of CKD in this population. Research supported by this initiative should enhance knowledge of CKD and its consequences in the elderly and provide evidence-based guidance in the diagnosis, prevention, and treatment of CKD in older persons.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-165.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-166.html>

Key Words: **Kidney Disease, Diabetes, Aging**

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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

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significantly to increased fatigability. This FOA encourages applications that propose to 1) elucidate specific alterations in bioenergetics related to increased fatigability and activity limitations; 2) develop and evaluate improved measures of fatigability related to bioenergetics; 3) evaluate interventions for increased fatigability and activity limitations that target alterations in bioenergetics and lead to improved quality of life.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-190.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-191.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-192.html>

Key Words: **Aging, Fatigability, Bioenergetics**

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### **Mechanisms Underlying the Links between Psychosocial Stress, Aging, the Brain and the Body (R01)**

PA-09-216

National Institute on Aging (NIA)

National Cancer Institute (NCI)

National Institute of Mental Health (NIMH)

This FOA encourages multidisciplinary and interdisciplinary research to elucidate the mechanistic links between psychosocial stress and health in aging, as well as how the aging process and age-related diseases affect the responses to psychosocial stressors. Generally, research should be focused on (1) aging and how neural mechanisms respond to psychosocial stress and affect other body systems, (2) characterizing the behavioral, psychological and social mechanisms and pathways involved in transducing psychosocial stressors into health outcomes, (3) how stressors modulate physiological process underlying life-span, immune mechanisms, and metabolism, and (4) how psychosocial stress contributes to the development or progression of geriatric syndromes, chronic medical conditions, and disabilities in later life. Research is strongly encouraged that aims to identify appropriate targets for intervention, at any level of analysis, from societal to molecular. Research spanning multiple levels of analysis is particularly encouraged. Research focused on oxidative stress or on environmental or physical stressors of a non-psychosocial nature is not appropriate to this FOA.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-216.html>

Key Words: **Psychosocial Tress, Geriatrics, Aging**

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### **Translational Research at the Aging/Cancer Interface [(R01) PA-08-230] [(R21) PA-08-231]**

PA-08-230 and PA-08-231

National institute on Aging (NIA)

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

Amount: \$350,000

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-230.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-231.html>

Key Words: **Aging, Cancer**

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

PA-08-252

National Institute on Aging (NIA)

This Funding Opportunity Announcement (FOA), issued by the National Institute on Aging (NIA) is seeking small grant (R03) applications to stimulate and facilitate data archiving and development related to cognitive psychology, behavioral interventions in the context of randomized controlled trials (RCTs), demography, economics, epidemiology, behavioral genetics and other behavioral research on aging for secondary analysis.

Amount: \$100,000

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-252.html>

Key Words: **Aging, Databases**

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

PA-09-217

National Institute on Aging (NIA)

This FOA encourages multidisciplinary and interdisciplinary research to elucidate how Apolipoprotein E, lipoprotein receptors and CNS lipid homeostasis influence brain aging and the transition to neurodegeneration in Alzheimer's disease (AD). The ultimate goal is to gain an in depth understanding of the mechanisms by which the Apolipoprotein E e4 allele confers increased AD risk for the purpose of advancing the overall search for efficacious AD treatments and Apolipoprotein E e4-directed therapeutics in particular. To this end we encourage research spanning multiple levels of analysis in multiple species (from mice to man). Studies aimed at identifying new therapeutic targets for the treatment of AD and other age-related neurodegenerative conditions associated with lipid neurobiology are strongly encouraged. Also of great interest are projects that aim to use lipidomics, various types of imaging and other cutting edge technologies to identify and develop early biomarkers of neurodegeneration associated lipid dyshomeostasis.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-217.html>

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

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## **Aging Research Dissertation Awards to Increase Diversity (R36)**

PAR-08-250

National Institute on Aging (NIA)

The National Institute on Aging (NIA) announces the reissuance of a Funding Opportunity Announcement (FOA) that provides dissertation awards (R36) in all areas of research within NIA's mandate to increase diversity of the research workforce on research on aging and aging-related health conditions. These awards are available to qualified Predoctoral students in accredited research doctoral programs in the United States (including Puerto Rico and other U.S. territories or possessions).

Amount: \$250,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-250.html>

Key Words: **Geriatrics, Gerontology**

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## **Alzheimer's Disease Drug Development Program (U01)**

PAR-08-266

National Institute on Aging (NIA)

The objective of this solicitation is to stimulate research in the pre-clinical development and testing of novel therapeutic compounds aimed at slowing, halting, or reversing the progressive decline in cognitive function and modifying the behavioral symptoms in Alzheimer's disease (AD); or delaying the onset of or preventing AD, mild cognitive impairment (MCI), or age-related cognitive decline. This initiative is intended to stimulate activities focused on providing sufficient data to submit an Investigational New Drug (IND) application to the Food and Drug Administration to begin human clinical testing of potential new therapies. For this program neither mechanistic/basic studies nor clinical trials will be supported; only applications to develop a therapy will be accepted.

Amount: \$4,000,000

LOI: September 1, 2009, October 1, 2009, January 4, 2010, February 1, 2010, September 1, 2010, October 1, 2010, January 3, 2011, February 1, 2011, September 1, 2011 and October 3, 2011. (Note: The October and February letters of receipt dates are for amended applications only).  
Deadline: October 1, 2009, November 2, 2009, February 1, 2010, March 1, 2010, October 1, 2010, November 1, 2010, February 1, 2011, March 1, 2011, October 1, 2011 and November 1, 2011. (Note: The November and March receipt dates are for amended applications only).

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-266.html>

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

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

PAR-09-136

National Institute on Aging (NIA)

The purpose of this FOA, "Promoting Careers In Aging and Health Disparities Research (K01)" is to provide support and protected time to eligible individuals who have been determined by the grantee institution to be committed to a career in health disparities research related to aging and who are members of or knowledgeable about health disparity population groups. Nationally, health disparity population groups include but are not limited to African Americans, Hispanic Americans, American Indians/Alaska Natives, Native Hawaiians, Pacific Islanders, the medically underserved, low socioeconomic populations and rural populations.

Amount: \$750,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-136.html>

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

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### **Mechanisms, Measurement, and Management of Pain in Aging: from Molecular to Clinical (R01), (R21) and R03)**

PA-09-193, PA-09-194 and PA-09-195

National Institute on Aging (NIA)

This FOA encourages Research Project Grant (R01) applications from institutions/organizations that propose to (1) study biological, neurobiological, psychosocial, and clinical mechanisms and processes by which aging and/or age-related diseases affect the experience of pain, (2) examine biological, neurobiological, psychosocial, and clinical factors that impact pain experience and prevalence in older people, (3) evaluate existing pain assessment and/or management approaches in older adults, or (4) develop new assessment methods and/or management strategies for pain with particular attention to the needs of older adults. Studies involving animal models or human subjects are appropriate under this program announcement.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-193.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-194.html>

and <http://grants.nih.gov/grants/guide/pa-files/PA-09-195.html>

Key Words: **Aging, Pain Management**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-122.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-121.html>

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

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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)

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-158.html>

Key Words: **Animal Models**

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## Heart and Vascular

### **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)**

**New**

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**

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

**New**

PA-09-243 and PA-09-244

National Heart, Lung, and Blood Institute (NHLBI)

National Center for Complementary and Alternative Medicine (NCCAM)

National Institute of Nursing Research (NINR)

This FOA encourages Research Project Grant (R01) applications that propose research on the roles of nutrition and physical activity in the development, prevention, and management of cardiovascular diseases (CVD) or pulmonary diseases. In particular, the FOA aims to (1) improve knowledge of the contribution of diet and physical activity to these conditions and how sleep influences these relationships, (2) increase the evidence base for refining public health recommendations and clinical guidelines regarding these lifestyle behaviors, and (3) develop and test strategies to improve the adoption of these recommendations.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-243.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-244.html>

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

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

**New**

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**

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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**

**NEW**

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

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-HL-09-130.html>

Key Words: **Hypertension, Arterial Stiffening**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-015.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-016.html>

Key Words:

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

PA-09-181

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

National Heart Lung and Blood Institute (NHLBI)

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-181.html>

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

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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

Deadline: January 13, 2010; September 14, 2010; January 13, 2011; September 14, 2011; January 13, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-214.html>

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

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

PA-09-232

National Heart, Lung and Blood Institute (NHLBI)

The National Heart, Lung, and Blood Institute (NHLBI) is interested in supporting individual predoctoral fellowships for combined MD/PhD training in research areas relevant to the mission of the NHLBI. The NHLBI mission is to provide leadership for national programs in diseases of the heart, blood vessels, lung, and blood; blood resources; and sleep disorders.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-232.html>

Key Words: **MD/PhD Fellowships**

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## **Immunology**

### **2010 cycle of the LRF Postdoctoral Fellowship Awards Program**

**New**

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>

Key Words: **Lymphatic Disease, Lymphedema**

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### **Dynamics of Host-Associated Microbial Communities (R01)**

**New**

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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-11-001.html>

Key Words: **Microbial Communities, Biofilms**

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### **Erythropoiesis: Components and Mechanisms (R01)**

## **New**

PA-09-255

National Institute of Diabetes and Digestive and Kidney Diseases  
National Heart, Lung, and Blood Institute (NHLBI)  
National Institute on Aging (NIA)

This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) the National Institute of Aging (NIA), and the National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health, encourages investigator-initiated R01 applications that propose hypothesis-driven research using erythroid cells. The aim of this program is to support research efforts towards a complete description of the molecular and cellular components of erythropoiesis and how these components contribute to erythropoiesis. Components include genes that are expressed (transcriptome) in erythroid cells, either during development or during differentiation, and the proteins (proteome) that are translated in erythroid cells, especially with post-translational modifications or subcellular localizations that are unique to erythroid cells. A long range goal of this program is to generate a concise description of erythropoiesis that unifies genetics, molecular processes and cytokine determinants in the erythroid lineages so that new therapeutics may be developed to measure and combat anemia.

Amount: \$2,500,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-255.html>

Key Words: **Erythropoiesis**

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## **Antibody Technology Program**

### **NEW**

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

To learn more: <http://www.darpa.mil/dso/solicitations/baa09-69.htm>

Key Words: **Antibody,**

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## **Grand Challenges Explorations Round 4**

### **New**

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>

Key Words: **Diagnostics, Infectious Disease Prevention, Mucosal Immunity**

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## **2010 Association of Specialty Professors-AAAAI Geriatrics Development Initiative Junior Faculty Development Award.**

### **NEW**

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.

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Amount: \$112,500

LOI: N/R

Deadline: October 15, 2009

To learn more: [http://foundationcenter.org/pnd/rfp/rfp\\_item.jhtml?id=264700043](http://foundationcenter.org/pnd/rfp/rfp_item.jhtml?id=264700043)

Key Words: **Aging, Allergy, Asthma**

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### **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&oppld=48292>

Key Words: **Microbes, Biogeochemical Cycling, Metaproteomics, Metatranscriptomic**

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### **Chronic Fatigue Syndrome: Pathophysiology and Treatment**

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

PA-08-246 and PA-08-247

Office of Research on Women's Health

National Center for Complementary and Alternative Medicine

National Institute on Aging

National Institute on Alcohol Abuse and Alcoholism

National Institute of Allergy and Infectious Diseases

National Institute of Arth

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

Amount: varies

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-246.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-247.html>

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

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### **Octapharma 25th Anniversary Grants Program**

Octapharma

The company's first ever grants program is only available to researchers based in the United States and will be administered exclusively by Octapharma USA, the Swiss company's U.S. subsidiary. The program will support clinical or pre-clinical research focusing on human protein therapies in coagulation disorders, immunology, intensive care, and emergency medicine.

Amount: unspecified

LOI: N/R

Deadline: twice yearly; April and October

To learn more: <http://www.octapharmagrants.com/>

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

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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>

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

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

PA-08-131 and PA-08-132

NIH

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-131.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-132.html>

Key Words:

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-253.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-254.html>

Key Words: **Smoking, AIDS/HIV**

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## 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

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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**

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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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### **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)

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-028.html>

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**

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### **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**

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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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-039.html>

Key Words: **Food Allergies**

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### **Investigations on Primary Immunodeficiency Diseases (R01)**

PAR-08-206

National Institute of Allergy and Infectious Diseases (NIAID)  
The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)  
National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)  
National Institute of Neuro

This FOA to supports applications from institutions/organizations that propose innovative investigations in primary immunodeficiency diseases with a focus on ex vivo studies with human specimens and on studies with existing or new animal models. This FOA will also support novel clinical strategies, not including clinical trials, to detect primary immunodeficiency diseases, to identify the molecular basis of these diseases, and to develop innovative therapies for primary immunodeficiency diseases. Investigators who have no prior history of receiving independent NIH funding in this field are encouraged to apply.

Amount: unspecified

LOI: 30 days prior to submission

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-206.html>

Key Words: **Immunodeficiency Diseases**

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### **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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-030.html>

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 Ki

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**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-068.html>

Key Words: **Allergy, Infectious Disease**

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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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-018.html>

Key Words: **HIV/AIDS, Systems Biology**

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### **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**

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## 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**

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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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-022.html>

Key Words: **HIV-1, B Cells, Antibody**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-164.html>

Key Words: **Biomedical, Behavioral, or Clinical Research**

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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>

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

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## Basic and Applied Scientific Research

W911NF-07-R-0003-02

ARMY RESEARCH OFFICE

8.3. Microbiology and Biodegradation. Biochemical and physiological mechanisms, underlying the biodegradative processes in normal, extreme, and engineered environments and fundamental studies on organisms in these environments, the properties of materials that make them susceptible or resistant to biological attack, basic concepts for anti-fungals, and studies of microbiological mechanisms with potential for contributing to the remediation of sites contaminated with toxic wastes. Included are research investigations in analytical microbiology (including microbial signatures), and in general microbial mechanisms with relevance to Army problems. Addressed here also is research into microbial communities and how to study organisms that cannot be grown in the lab, as well as research into methods to enhance the stabilization of military 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**

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## 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**

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## Infectious Disease/Biopreparedness

### Exploring Epigenomic Processes and Non-Coding RNAs in HIV/AIDS (R01) and (R21)

**NEW**

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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-010.html> and <http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-011.html> and <http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-012.html>

Key Words: **Epigenetics, Substance Abuse, HIV/AIDS**

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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**

**New**

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
14. Emergency Preparedness & Response
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**

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## **Grand Challenges Explorations Round 4**

**New**

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>

Key Words: **Diagnostics, Infectious Disease Prevention, Mucosal Immunity**

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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 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-

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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](http://www.arl.army.mil/www/DownloadedInternetPages/CurrentPages/DoingBusinesswithARL/research/07-r-0001-02_amendment2.pdf)

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

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## 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](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501087)

Key Words: **Bacterial Systems**

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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: \$400,0000

LOI: N/R

Deadline: multiple, see link

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAS-08-061.html>

Key Words:

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### **Improvements to Biological Research Collections (BRC)**

NSF 09-548

National Science Foundation (NSF)

Directorate for Biological Sciences

Division of Biological Infrastructure

The Improvements to Biological Research Collections Program provides funds for improvements to network, secure, and organize established natural history collections for sustained, accurate, and efficient accessibility of the collection to the biological research community.

The BRC program is encouraging collaborative proposals to network collections on regional and continental scales, especially collaborations that bring large and small collections together into networks. The BRC program also provides for enhancements to existing collections to improve collections, computerize specimen-related data, develop better methods of specimen curation and collection management through activities such as symposia and workshops.

Biological collections supported include those housing natural history specimens and jointly curated collections such as preserved tissues and other physical samples, e.g. DNA libraries and digital images. Such collections provide the materials necessary for research across broad areas of biological sciences.

Amount: \$500,000-\$2,000,000

LOI: N/R

Deadline: Fourth Friday in July, Annually

To learn more: [http://www.nsf.gov/pubs/2009/nsf09548/nsf09548.htm?govDel=USNSF\\_25](http://www.nsf.gov/pubs/2009/nsf09548/nsf09548.htm?govDel=USNSF_25)

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

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### **Living Stock Collections for Biological Research (LSCBR)**

NSF 09-550

National Science Foundation (NSF)

Directorate for Biological Sciences

Division of Biological Infrastructure

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

Amount: varies

LOI: N/R

Deadline: July 7, 2010, July 6, 2011

To learn more: [http://www.nsf.gov/pubs/2009/nsf09550/nsf09550.htm?govDel=USNSF\\_25](http://www.nsf.gov/pubs/2009/nsf09550/nsf09550.htm?govDel=USNSF_25)

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Key Words: **Biological Stock, Cultures, Virus, Bacteria**

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

PA-08-188 and PA-08-189

National Institutes of Health (NIH)

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

Amount: \$100,000

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-188.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-189.html>

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

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### **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

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-454.html>

Key Words: **AIDS**

**Cancer Biology, Cancer or Carcinogenesis, Molecular Epidemiology**

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### **Medical Management of Older Patients with HIV/AIDS**

**[(R01)PA-09-0187] and [(R03) PA-09-018 ] or [(R21) PA-09-0189]**

PA-09-017 and PA-09-018 or PA-09-019

National Institutes of Health

This funding opportunity announcement (FOA) issued by the National Institute on Aging (NIA), the National Institute of Allergy and Infectious Diseases (NIAID), the Center for Mental Health Research on AIDS of the National Institute of Mental Health (NIMH), and the National Institute of Nursing Research (NINR) encourages Research Project Grant (R01) applications that address clinical and translational medical issues in the diagnosis and/or management of HIV infection and its consequences in older persons.

Amount: \$2,500,000

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-017.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-018.html> or <http://grants.nih.gov/grants/guide/pa-files/PA-09-019.html>

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-253.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-254.html>

Key Words: **Smoking, AIDS/HIV**

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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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-008.html>

Key Words: **HIV/AIDS, Drug Abuse**

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### **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**

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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

LOI: N/R

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Deadline: Standard dates apply,

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-217.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-218.html> or <http://grants.nih.gov/grants/guide/pa-files/PA-08-219.html>

Key Words: **Drug Abuse, Drug Dependence**

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### **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**

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### **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)

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-307.html> and <http://grants1.nih.gov/grants/guide/pa-files/PA-07-308.html> or <http://grants1.nih.gov/grants/guide/pa-files/PA-07-309.html>

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

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### **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)

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-028.html>

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**

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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

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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

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PAS-07-324.html> and <http://grants1.nih.gov/grants/guide/pa-files/PAS-07-326.html> or <http://grants1.nih.gov/grants/guide/pa-files/PAS-07-325.html>

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

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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:

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### **International Research Collaborations on Drug Addiction (R21)**

PA-08-007

National Institute on Alcohol Abuse and Alcoholism

This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Exploratory/Developmental Research Project Grant (R21) applications from institutions/ organizations that propose to integrate basic behavioral research and intervention research for the prevention of alcohol-related HIV/AIDS risk.

Amount: varies

LOI: N/R

Deadline: Multiple dates, see announcement

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-007.html>

Key Words:

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### **Novel Lentiviral Models of HIV Neuropathogenesis [(R01) PAS-08-178] and [(R21) PAS-08-179] and [(R03) PAS-08-180]**

PAS-08-178 and PAS-08-179 and PAS-08-180

National Institute of Neurological Disorders and Stroke (NINDS)

National Institute on Drug Abuse (NIDA)

National Institute of Mental Health (NIMH)

National Institute on Alcohol Abuse and Alcoholism

The National Institute of Neurological Disorders and Stroke (NINDS), the National Institute on Drug Abuse (NIDA), the National Institute of Mental Health (NIMH), and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) invite research grant applications aimed at developing and or refinement of animal or ex vivo cell culture model systems for study of the neurologic complications of AIDS, with or without a history of drug or alcohol use. Recent advances in the development of the SIV model system highlight the power of animal model systems for study of the mechanisms underlying the pathology associated with lentiviral infection in the nervous system. These models will be key for developing therapeutic approaches for the treatment of patients suffering from NeuroAIDS and for understanding the basic biology of infection with HIV/AIDS.

Amount: \$1,500,00 (varies)

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAS-08-178.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-06-179.html> or <http://grants.nih.gov/grants/guide/pa-files/PA-06-180.html>

Key Words: **HIV, AIDS, NeuroAIDS**

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## 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**

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

PAR-09-103

National Institute of Allergy and Infectious Diseases (NIAID)

Fogarty International Center (FIC)

National Cancer Institute (NCI)

National Center for Complementary and Alternative Medicine (NCCAM)

National Heart, Lung, and Blood Institute (NHLBI)

National

This FOA solicits applications for the Centers for AIDS Research (CFAR) program to provide administrative and shared research support to enhance HIV/AIDS research. Applications are being solicited for both standard CFARs and developmental CFARs (D-CFARs). Standard and D-CFARs provide core facilities, expertise, resources, and services not readily obtained otherwise through more traditional funding mechanisms. Additionally, D-CFARs provide support to assist investigators in the development of a competitive standard CFAR. The program emphasizes interdisciplinary collaboration, especially between basic and clinical investigators, translational research between the laboratory and the clinic and vice versa, inclusion of minority investigators, and inclusion of prevention and behavioral change research. Mechanism of Support.

Amount: \$3.75-15M

LOI: May 14, 2010; May 16, 2011

Deadline: June 15, 2010; June 15, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-103.html>

Key Words: **AIDS**

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## Research to Advance Vaccine Safety [(R01) PA-08-256]and [(R21) PA-08-257]

PA-08-256 and PA-08-257

National Institute of Allergy and Infectious Diseases (NIAID)

National Institute of Mental Health (NIMH)

National Institute of Nursing Research (NINR)

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

National Instit

This FOA, entitled Research to Advance Vaccine Safety, is issued by the National Institutes of Health and encourages Research Project Grant (R01) applications from institutions/organizations that propose to support research that will contribute to the overall understanding of vaccine safety. This R01 research opportunity invites studies that address scientific areas potentially relevant to vaccine safety such as 1) physiological and immunological responses to vaccines and vaccine components, 2) how genetic variations affect immune/physiological responses that may impact vaccine safety, 3) identification of risk factors and biological markers that may be used to assess whether there is a relationship between certain diseases or disorders and licensed vaccines, or 4) the application of genomic/molecular technologies to improve knowledge of vaccine safety.

Amount: varies

LOI: N/R

Deadline: standard dates apply

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To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-256.html>

Key Words: **Vaccine Development**

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### **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**

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### **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**

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### **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**

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### **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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-034.html>

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

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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>

Key Words: **HIV Vaccine**

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### **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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-028.html>

Key Words: **Viral Pathogens**

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### **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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-026.html>

Key Words: **Drug Resistant Bacteria, Eukaryotic Parasites**

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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

To learn more: <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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-022.html>

Key Words: **HIV-1, B Cells, Antibody**

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

PA-09-119

National Institute of Allergy and Infectious Diseases (NIAID)

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

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-119.html>

Key Words: **HIV Vaccine**

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## **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>

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Key Words: **HIV, AIDS**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-068.html>

Key Words: **Allergy, Infectious Disease**

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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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-018.html>

Key Words: **HIV/AIDS, Systems Biology**

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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 In

The National Institutes of Health (NIH) Investigator-Initiated Small Grant (R03) funding opportunity supports small research projects that can be carried out in a short period of time with limited resources. Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigator's area of interest and competency. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. All investigator-initiated small grant applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests.

Amount: \$100,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-163.html>

Key Words: **Small Grants**

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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)

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applications from institutions and organizations that propose to identify biomarkers for cancers where the etiology of the disease is attributed to infectious agents.

Amount: varies

LOI: N/R

Deadline: Multiple dates, see announcement

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-156.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-157.html>

Key Words: **Biomarkers, Cancer Biology**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-154.html>

Key Words: **HIV/AIDS, Endemic Countries, Training**

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### **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;jsessionid=LrNhrhG83Tv0yG86V3pJbC85vsVNLWYfZBTJlhP6WLFPSqHXqCDm!159861336?flag2006=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**

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### **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
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- 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**

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## DTRA FY2009 – 2011 Basic Research for Combating Weapons of Mass Destruction (WMD) Broad Agency Announcement (BAA)

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&opId=17804>

Key Words: **Weapons of Mass Destruction**

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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

To learn more: <http://www.arl.army.mil/www/DownloadedInternetPages/CurrentPages/DoingBusinesswithARL/research/07r0003-02.pdf>

Key Words: **Cognition, Integrative Neurobiology**

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## 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

To learn more: <http://www.arl.army.mil/www/DownloadedInternetPages/CurrentPages/DoingBusinesswithARL/research/07r0003-02.pdf>

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

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## Basic and Applied Scientific Research

W911NF-07-R-0003-02

ARMY RESEARCH OFFICE

8.3. 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**

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## Kidney and Urinary System

### Health Disparities in NIDDK Diseases (R01)

**New**

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**

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

PA-09-165 and PA-09-166

National Institute on Aging (NIA)

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

This Funding Opportunity Announcement (FOA) issued by the National Institute on Aging (NIA) and the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health, invites applications that propose basic, clinical, and translational research on chronic kidney disease (CKD) and its consequences in aging and in older persons. Applications should focus on the 1) biology and pathophysiology of CKD in animal models; 2) etiology and pathophysiology of CKD in the elderly; 3) epidemiology and risk factors for the development of CKD with advancing age; and/or 4) diagnosis, medical management and clinical outcomes of CKD in this population. Research supported by this initiative should enhance knowledge of CKD and its consequences in the elderly and provide evidence-based guidance in the diagnosis, prevention, and treatment of CKD in older persons.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-165.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-166.html>

Key Words: **Kidney Disease, Diabetes, Aging**

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### **Ancillary Studies of Acute Kidney Injury, Chronic Kidney Disease, and End Stage Renal Disease Accessing Information from Clinical Trials, Epidemiological Studies, and Databases (R01)**

PA-09-196

National Institute of Diabetes and Digestive and Kidney Diseases

National Heart, Lung, and Blood Institute

The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the National Heart Lung and Blood Institute (NHLBI) invite investigator-initiated research project applications for ancillary studies to ongoing or completed clinical trials, existing administrative and clinical databases and epidemiological studies of kidney disease as well as clinical trials and epidemiological studies for other diseases or populations that lend themselves to the study of acute kidney injury and chronic kidney disease. These studies may range from new analyses of existing datasets of completed studies to additional collection of data and biological specimens in ongoing investigations. The goal of these studies should be to extend our understanding of the risk factors for developing kidney disease and their associated co-morbid illnesses such as malnutrition and cardiovascular disease, factors associated with rapid decline in kidney function among persons with chronic kidney disease, and the impact of these diseases on quality of life and mental and physical functioning. Investigations of acute kidney injury, including biomarkers is also an appropriate topic for investigation. Studies ancillary to both government and non-government supported clinical trials and epidemiological studies are encouraged. Analysis of large public access databases and other databases is also encouraged.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-196.html>

Key Words: **Kidney Disease, Chronic, Acute**

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### **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**

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

PA-09-181

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

National Heart Lung and Blood Institute (NHLBI)

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-181.html>

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

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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>

Key Words: **Biomarkers, Translational Research, Therapies**

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

PAR-09-247

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

This Funding Opportunity (FOA) encourages Research Project Grant (R01) applications from qualified investigators to conduct ancillary studies to major ongoing clinical research studies, including clinical trials, epidemiological studies and disease databases supported by the National Institute of Diabetes and Digestive and Kidney Diseases. Major studies include multi-center investigations, national databases and Phase 3 clinical trials. Examples of NIDDK-supported major clinical research studies eligible for ancillary studies may be found at <http://www2.niddk.nih.gov/Research/ClinicalResearch/AncillaryStudies>

Amount: \$2,500,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-247.html>

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

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## **Pilot and Feasibility Clinical Research Grants in Kidney or Urologic Diseases (R21)**

PAR-09-077

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

This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, encourages Exploratory/Development Research Grants (R21) that propose small scale or pilot and feasibility clinical and translational research studies, including epidemiological studies or clinical trials related to kidney or urologic disease research that address important clinical and translational questions and are potentially of high clinical and public health impact. It is anticipated that some projects supported by these grants may lead to full-scale clinical studies including diagnostic strategies, epidemiological studies, or randomized clinical trials of diagnosis, prevention, or treatment of kidney or urologic diseases.

Amount: \$500,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-077.html>

Key Words: **Kidney Disease, Urinary Disease**

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## **Calcium Oxalate Stone Diseases (R01)**

PA-09-213

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

The purpose of this Funding Opportunity Announcement (FOA) is to increase investigator interest in research into oxalate metabolism, transport and homeostasis, and oxalate stone diseases. This initiative encourages basic, clinical or epidemiological studies that utilize new and innovative approaches to study the diagnosis, treatment and prevention of these disorders.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-213.html>

Key Words: **Oxalate Stones**

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## **Advances in Polycystic Kidney Disease (R01)**

PA-09-202

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

The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) through its Division of Kidney, Urologic and Hematologic Diseases (DKUHD) invites experienced and new investigators to submit research grant applications to pursue basic and applied investigations in order to better understand the etiology and pathogenesis of Polycystic Kidney Disease (PKD), in both its autosomal dominant and autosomal recessive forms. Such applications may examine the genetic determinants, and cellular and molecular mechanisms, which disrupt normal kidney function; mechanisms of cyst formation and growth; development of experimental model systems; development of markers of disease progression; and the identification of innovative therapeutic interventions and gene targeted strategies to prevent progressive renal insufficiency due to this disorder. The intent of this funding opportunity is to intensify investigator-initiated research, to attract new investigators to the field, and to increase interdisciplinary research. The ultimate aim is to facilitate PKD-related research studies, which will provide the basis for new therapeutic approaches.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-202.html>

Key Words: **Polycystic Kidney Disease**

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## **Lung and Sleep**

### **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)**

**New**

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**

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

**New**

PA-09-243 and PA-09-244

National Heart, Lung, and Blood Institute (NHLBI)

National Center for Complementary and Alternative Medicine (NCCAM)

National Institute of Nursing Research (NINR)

This FOA encourages Research Project Grant (R01) applications that propose research on the roles of nutrition and physical activity in the development, prevention, and management of cardiovascular diseases (CVD) or pulmonary diseases. In particular, the FOA aims to (1) improve knowledge of the contribution of diet and physical activity to these conditions and how sleep influences these relationships, (2) increase the evidence base for refining public health recommendations and clinical guidelines regarding these lifestyle behaviors, and (3) develop and test strategies to improve the adoption of these recommendations.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-243.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-244.html>

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

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## **Lung Cancer Biospecimen Resource Network (LCBRN) Award**

**NEW**

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.
- \* 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: \$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**

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## 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:

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## 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**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-253.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-254.html>

Key Words: **Smoking, AIDS/HIV**

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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

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LOI: December 14, 2009; August 14, 2010; December 14, 2010; August 14, 2011; December 14, 2011  
Deadline: January 13, 2010; September 14, 2010; January 13, 2011; September 14, 2011; January 13, 2012  
To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-214.html>  
Key Words: **Heart, Lung, Blood and Sleep Disorders**

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### **Translational Programs in Lung Diseases (P01)**

PAR-09-185

National Heart, Lung, and Blood Institute

This FOA issued by the NHLBI, National Institutes of Health, solicits Program Project Grant (P01) applications from institutions/organizations that will perform collaborative, translational research that moves mechanistic research to clinical applications to improve prevention, diagnosis and/or treatment of lung diseases and sleep disorders.

Amount: \$8,750,000

LOI: August 25, 2009; April 25, 2010; August 25, 2010; April 25, 2011; August 25, 2011; April 26, 2012; August 25, 2012

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: <http://grants.nih.gov/grants/guide/pa-files/PA-09-185.html>

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

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

PA-09-232

National Heart, Lung and Blood Institute (NHLBI)

The National Heart, Lung, and Blood Institute (NHLBI) is interested in supporting individual predoctoral fellowships for combined MD/PhD training in research areas relevant to the mission of the NHLBI. The NHLBI mission is to provide leadership for national programs in diseases of the heart, blood vessels, lung, and blood; blood resources; and sleep disorders.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-232.html>

Key Words: **MD/PhD Fellowships**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-046.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-047.html>

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

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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**

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## **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=LNTBKGBcVp4vXJ1KqgZtmZzpkQCij2M1xjrTVfxth72b9fsTZlpTl-77834959>

Key Words: **Lung Cancer**

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## Men and Women's Health

### **Ovarian Cancer Research Program**

**New**

W81XWH-09-OCRPO-OCADAN

Department of Defense Congressionally Directed Medical Research Programs

The OCRP Ovarian Cancer Academy Dean Award supports visionary individuals who are established ovarian cancer researchers with a strong record of mentoring and a commitment to leadership. In addition to leading the Ovarian Cancer Academy, the Academy Dean will be recognized with the life-long title of Department of Defense (DOD) Ovarian Cancer Research Professorship.

The Ovarian Cancer Academy is envisioned as a unique, interactive virtual academy that will provide intensive mentoring, national networking, and a peer group for junior faculty in their pursuit to become successful, highly productive ovarian cancer researchers. The Ovarian Cancer Academy will be multi-institutional and will consist of five individually awarded Early-Career Investigators and their designated mentors. Each Early-Career Investigator will be within the first three years of his/her first faculty position (or equivalent) and his/her designated mentor will be an experienced ovarian cancer researcher with a strong record of mentoring young investigators. The OCRP Integration Panel (IP), Program Manager, and Grant Manager will assume the role of an external advisory board (EAB) to the Academy. The EAB will plan, organize, and host an annual one-day workshop and a biennial three-day conference for presentation of research, networking, and developing collaborative efforts by all Academy members. It is anticipated that participation in the Ovarian Cancer Academy will facilitate scientific collaborations, faculty advancement, as well as career progression and the receipt of independent peer reviewed funding for Early-Career Investigators.

Amount: \$500,000

LOI: Pre-Application September 9, 2009

Deadline: December 2, 2009

To learn more: [http://cdmrp.army.mil/funding/archive/09ocrpoca\\_pa2.pdf](http://cdmrp.army.mil/funding/archive/09ocrpoca_pa2.pdf)

Key Words: **Ovarian Cancer**

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## **NICHD's Institutional Predoctoral and Postdoctoral Training Program in Reproductive, Obstetric, Perinatal and Pediatric Epidemiology and Pharmacoepidemiology (T32)**

PAR-08-271

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

This FOA issued by The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institutes of Health, solicits grant applications from institutions/ organizations for the NICHD Institutional Predoctoral and Postdoctoral Training Program in Reproductive, Obstetric, Perinatal and Pediatric Epidemiology and Pharmacoepidemiology. This program supports broad and fundamental, early stage graduate research training and postdoctoral training in reproductive, obstetric, perinatal, and pediatric epidemiology as well as pharmacoepidemiology via institutional training grants. The primary objective is to prepare qualified individuals for careers in pharmacoepidemiology and epidemiology that have a significant impact on the health-related research needs of the Nation.

Amount: \$2,000,000

LOI: April 25, 2010 and 2011

Deadline: May 25, 2010, and May 25, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-271.html>

Key Words: **Reproductive, Obstetric, Perinatal and Pediatric Epidemiology and Pharmacoepidemiology**

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

PA-08-246 and PA-08-247

Office of Research on Women's Health

National Center for Complementary and Alternative Medicine

National Institute on Aging

National Institute on Alcohol Abuse and Alcoholism

National Institute of Allergy and Infectious Diseases

National Institute of Arth

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

Amount: varies

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-246.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-247.html>

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

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## **Role of Adipose Tissue as an Endocrine Organ in Reproduction and Infertility (R01) [PA-08-059] and (R21) [PA-08-060]**

PA-08-059 and PA-08-060

NIH

This Funding Opportunity Announcement (FOA) issued by the National Institute of Child Health and Human Development, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/ organizations that propose to better understand the role of adipose tissue in the normal physiological regulation of reproduction, to discern its possible role in the etiology of diseases and disorders that impact human fertility, and to probe its potential importance in different racial/ethnic prevalence rates of certain reproductive disorders.

Amount: varies

LOI: N/R

Deadline: multiple, see link

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-059.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-060.html>

Key Words:

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## Research Supplements to Promote Re-Entry Into Biomedical and Behavioral Research Careers - ODS

PA-04-126

National Institutes of Health (NIH)  
Office of the Director (OD)  
Office of Dietary Supplements

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

Amount: unspecified

LOI: N/R

Deadline: continuous

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-04-126.html>

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

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-014.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-015.html>

Key Words: **Pregnancy, Pregnancy Prevention, Unintended Pregnancy**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-106.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-107.html>

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

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-190.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-191.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-192.html>

Key Words: **Aging, Fatigability, Bioenergetics**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-174.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-175.html>

Key Words: **Post-Partum Depression**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-140.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-141.html>

Key Words:

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### **Fertility Preservation Research: Advancing Beyond Technology (R01)**

RFA-HD-09-009

Eunice Kennedy Shriver National Institute of Child Health and Human Development

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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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-09-009.html>

Key Words: **Fertility, Radiation Exposure**

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## Miscellaneous

### **Nebraska EPSCoR First Awards**

**NEW**

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**

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### **Mechanisms, Models, Measurement, & Management in Pain Research (R01) and (R03) and (R21)**

**NEW**

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-07-282.html> and <http://grants2.nih.gov/grants/guide/pa-files/PA-06-543.html> and <http://grants2.nih.gov/grants/guide/pa-files/PA-06-542.html>

Key Words: **Pain Management**

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### **2010 NIH Director's New Innovator Award Program (DP2) and (DP1)**

**New**

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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-09-011.html> and <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-09-010.html>

Key Words: **Biomedical, Behavioral Research**

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### **Infrastructure Management and Extreme Events (IMEE)**

PD 08-1638

NSF

The IMEE program focuses on the impact of large-scale hazards on civil infrastructure and society and on related issues of preparedness, response, mitigation, and recovery. The program supports research to integrate multiple issues from engineering, social, behavioral, political, and economic sciences. It supports fundamental research on the interdependence of civil infrastructure and society, development of sustainable infrastructures, and civil infrastructure vulnerability and risk reduction.

Amount: unspecified

LOI: N/R

Deadline: September 1, 2009 - October 1, 2009

To learn more: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=13353&org=NSF&from=fund](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13353&org=NSF&from=fund)

Key Words: **Infrastructure, Hazard Planning, Disaster Planning**

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

PAR-08-073

NIH, NIDA

This FOA uses the Core Center of Excellence Grant (P30) mechanism. It is expected that a Center will transform knowledge in the sciences it is studying. Incremental work should not be the focus of Center activities; rather, new and creative directions are required. The P30 Center may support pilot research in any area of NIDA's mission. Research may occur in any area of NIDA's mission. Each separate core should bear an essential relationship to the integrating theme. The P30 Center of Excellence is expected to support the education, training, and mentoring of new investigators, who should be given meaningful roles to play in the Center projects. NIDA Centers are expected to share their findings, their data and their resources.

Amount: unspecified

LOI: January 26, 2009, 2010

Deadline: February 26, 2010

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

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-037.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-038.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-039.html>

Key Words:

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### **Communicating Research to Public Audiences**

NSF 03-509

National Science Foundation (NSF)

Directorate for Education and Human Resources (EHR)

Division of Research on Learning in Formal and Informal Settings (DRL)

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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

To learn more: <http://www.nsf.gov/pubs/2003/nsf03509/nsf03509.html>

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

To learn more: [http://www.nsf.gov/pubs/2009/nsf09554/nsf09554.htm?govDel=USNSF\\_25](http://www.nsf.gov/pubs/2009/nsf09554/nsf09554.htm?govDel=USNSF_25)

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

To learn more: [http://www.nsf.gov/pubs/2009/nsf09516/nsf09516.htm?govDel=USNSF\\_25](http://www.nsf.gov/pubs/2009/nsf09516/nsf09516.htm?govDel=USNSF_25)

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**

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### **Enhancing Zebrafish Research with Research Tools and Techniques (R01)**

PAR-08-139

National Institute of Diabetes and Digestive and Kidney Diseases

National Cancer Institute

National Eye Institute

National Human Genome Research Institute

National Heart, Lung, and Blood Institute

National Institute on Alcohol Abuse and Alcoholism

Nationa

This FOA encourages investigator-initiated applications designed to exploit the power of the zebrafish as a vertebrate model for biomedical and behavioral research. Applications proposing to develop new research tools or techniques that are of high priority to the zebrafish community and that will advance the detection and characterization of genes, pathways, and phenotypes of interest in development and aging, organ formation, neural processes, behavior, sensory processing, physiological processes, and disease processes are welcome. This effort stems from an NIH initiative developed by the Institutes and Centers of the Trans-NIH Zebrafish Coordinating Committee (TZCC) under the co-chairmanship of NICHD and NIDDK.

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

LOI: August 17, 2010

Deadline: September 17, 2010

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-139.html>

Key Words:

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### **Genetic Screens to Enhance Zebrafish Research (R01)**

PAR-08-138

National Institute of Child Health and Human Development

National Cancer Institute

National Heart, Lung, and Blood Institute

National Institute on Aging

National Institute on Alcohol Abuse and Alcoholism

National Institute of Arthritis and Musculoskeletal

This FOA encourages investigator-initiated applications designed to exploit the power of the zebrafish as a vertebrate model for biomedical and behavioral research. Applications proposing to develop new genetic screens of high priority to the zebrafish community that will advance the detection and characterization of genes, pathways, and phenotypes of interest in development and aging, organ formation, neural processes, behavior, sensory processes, physiological processes, and disease processes are welcome. This effort stems from an NIH initiative developed by the Institutes and Centers of the Trans-NIH Zebrafish Coordinating Committee (TZCC) under the co-chairmanship of NICHD and NIDDK.

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

LOI: August 25, 2009, August 25, 2010

Deadline: September 24, 2009, September 24, 2010

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-138.html>

Key Words:

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### **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

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to augment and strengthen the state's biomedical research capacity. The objectives of INBRE program are to: 1) continue to build on the established multi-disciplinary research network with a scientific focus to strengthen the lead and partner institutions' biomedical research expertise and infrastructure; 2) build and increase the research base and capacity by providing support to faculty, postdoctoral fellows and graduate students at the participating institutions; 3) provide research opportunities for students from undergraduate institutions, community colleges and TCUs and serve as a "pipeline" for these students to continue in health research careers within IDeA states; 4) enhance science and technology knowledge of the state's workforce.

Amount: \$7,500,000

LOI: June 22, 2010

Deadline: July 22, 2010

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-150.html>

Key Words: **INBRE, IDeA, Biomedical Research Programs**

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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: N/R

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-180.html>

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

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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: 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**

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### **Biomedical Research on the International Space Station (BioMed-ISS) (UH2/UH3)**

PAR- 09-120

National Cancer Institute (NCI)

National Center for Research Resources (NCRR)

National Heart, Lung, and Blood Institute (NHLBI)

National Institute on Aging (NIA)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

National Institute of Arthritis an

The National Institutes of Health (NIH) and the National Aeronautics and Space Administration (NASA) are cooperating to facilitate biomedical research in space for better understanding of human physiology and human health on Earth. The NIH uses this FOA to publicize the availability of the International Space Station (ISS) as a National Laboratory, and to announce the NIH BioMed-ISS program encouraging investigator-initiated applications for biomedical research that will use the unique microgravity and radiation environment and resources of the ISS to test innovative hypotheses for the potential benefit of human health on Earth. Applications to this FOA should propose innovative biomedical research on the molecular or cellular level that is directly relevant to the NIH mission and can be carried out on the ISS.

Awards made through this FOA will initially support milestone-driven, ground based preparatory studies (UH2 ground feasibility phase), with possible rapid transition to the second, ISS-based research phase (UH3 ISS experimental phase). The ground feasibility phase (UH2) will allow investigators to focus on ground-based preparatory work to meet scientific milestones and technical requirements leading to the ISS experimental phase (UH3). The UH3 phase will include preparing the experiments for launch, conducting them on

the ISS, and the subsequent data analyses on Earth. UH3s will be awarded after administrative review of the eligible UH2s that have met the scientific milestones and feasibility requirements necessary to conduct research on the ISS. The UH2/UH3 application must be submitted as a single application, and applicants should note specific instructions for each phase in this FOA.

Amount: \$300,000-\$1,500,000

LOI: August 31, 2009, 2010, 2011

Deadline: September 30, 2009, 2010, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-120.html>

Key Words: **Molecular, Cellular, Microgravity, Radiation Environment, Space**

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### **Grants for Research in the Life Sciences (multiple disciplines)**

Mathers Charitable Fund (MCF)

The G. Harold & Leila Y. Mathers Foundation is primarily interested in supporting fundamental basic research in the life sciences. Support is provided for specific projects from established researchers at top universities and independent research institutions within the United States.

Amount: unspecified

LOI: N/R

Deadline: Continuous, queries and requests are processed when received.

To learn more: <http://www.mathersfoundation.org/>

Key Words:

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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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## **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

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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

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-185.html>

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>

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>

Key Words: **Neuromuscular Diseases, Stroke, Neurological Disease**

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### **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

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Deadline: September 29, 2009; 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**

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

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

National Institute of Arthritis and Musculoskeletal and Skin Diseases

This Funding Opportunity Announcement (FOA) solicits applications that propose to conduct time-sensitive ancillary studies related to the NIAMS mission in conjunction with privately or publicly funded, large, ongoing clinical projects. The ongoing "parent" project can be a large clinical trial or observational study, or a disease registry that can provide a sufficient cohort of well-characterized patients, infrastructure, data, and biological samples. Applications submitted in response to this FOA will undergo an accelerated review and award process. Each application must include a timeline to demonstrate that the parent project has adequate time left to accommodate the proposed ancillary study. In addition, it must justify the time-sensitive nature of the ancillary study and the need for an expedited review and award process. It must also document permission from the parent project to use the patient cohorts, data, and biological materials. The objective of this FOA is to provide a flexible mechanism to leverage established resources and maximize the return on existing investments in parent projects. Successful ancillary studies will enhance the scientific content and value of the parent projects, improve the research community's understanding of a disease or organ system in the NIAMS portfolio, and thus identify novel targets for diagnosis, treatment, and prevention of disease.

Amount: \$1,000,000

LOI: November 3, 2009; March 1, 2010

Deadline: December 3, 2009; April 1, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AR-10-010.html> and <http://grants.nih.gov/grants/guide/rfa-files/RFA-AR-10-011.html>

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

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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

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

Key Words: **Muscular Dystrophy**

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### **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

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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**

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## Nanomedicine/Nanotechnology

### **Nanomedicine COBRE Seeks Pilot Project Applications From Junior Investigators**

**New**

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 or expansion of 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](http://cddn.unmc.edu/template_view.cfm?PageID=34)

Key Words: **Novel Therapies, Nanotechnology**

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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 sub

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

14.1. Bioengineering. Fundamental studies to define structure-function relationships and biochemical interactions for enzymes, receptors and other macromolecules exhibiting mechanisms and properties uniquely relevant to synthetic and degradative pathways of interest to the military, including establishment of the foundations for manipulation and exploitation of biocatalysis, ribosomal and non-ribosomal biosynthesis to enhance permissiveness toward elaboration of useful biomolecular structures and cellular systems designed with "metabolic engineering" in mind. Also, research to provide insight from nature on novel theoretical principles and mechanisms in sensory and motor function, as well as on materials with extraordinary properties, from biological sources. Includes not only initial molecular events, signal transduction pathways and integrated information processing for the powerful sensing capabilities exhibited in the biological world, but also self-assembly processes, hierarchical structure formation, and functional characterization of biomolecular materials such as those with potential "biomimetic" utility for nanometer scale fabrication or for energy and information transfer, among other possibilities. Technical Point of Contact: Dr. Robert Kokoska, Robert.kokoska@us.army.mil, (919) 549-4342.

14.2 Molecular Genetics and Genomics. This program emphasizes basic research in molecular genetics and genomics that will enable optimization of soldier cognitive and physical performance, soldier protection, and Army logistics. This includes human performance and protection under both normal conditions, and when affected by a variety of stressors that are likely to be encountered in battlefield situations, such as dehydration, heat, cold, sleep deprivation, fatigue, caloric insufficiency, microbial factors, and psychological stress. Genetic and genomic research areas include identification and characterization of gene function, gene regulation, genetic interactions, gene pathways, gene expression patterns, mitochondrial regulation and biogenesis, and nuclear and mitochondrial DNA replication, mutagenesis, oxidative stress, and DNA repair. Also molecular responses to pathogens, pathogen identification, and pathogen inactivation, as well as host-pathogen interactions, and host components of infection and resistance to infection. This program is also interested in the biotechnology of microarrays, including both genomic- and proteomic-based platforms, for real time detection of pathogens or physiological states that would reduce or interfere with human

performance. This program also supports development of new biomaterials and bioproduction methods, and other advances in biotechnology methods and applications. Technical Point of Contact: Dr. Micheline Strand, e-mail: Micheline.strand@us.army.mil, (919) 549-4343.

14.3. Microbiology and Biodegradation. Biochemical and physiological mechanisms, underlying the biodegradative processes in normal, extreme, and engineered environments and fundamental studies on organisms in these environments, the properties of materials that make them susceptible or resistant to biological attack, basic concepts for anti-fungals, and studies of microbiological mechanisms with potential for contributing to the remediation of sites contaminated with toxic wastes. Included are research investigations in analytical microbiology (including microbial signatures), and in general microbial mechanisms with relevance to Army problems. Addressed here also is research into microbial communities and how to study organisms that cannot be grown in the lab, as well as research into methods to enhance the stabilization of military materiel, which would include methods to prevent microbial growth.

Also included is the development of microbial systems for unique biotechnological applications and bioengineering processes with individual microbial species or consortia of microorganisms, emphasizing the control, stability, and mechanisms of the basic cellular processes involved. Technical Point of Contact: Dr. Micheline Strand, e-mail: Micheline.strand@us.army.mil, (919) 549-4343.

14.4 Neurophysiology and Cognitive Neuroscience. Research in the perception and cognition subfields of neurophysiology and the cognitive neurosciences, covering several or all areas of electrophysiology, psychophysiology, sensory and perceptual physiology, computational neurobiology, psychophysics, neuropsychology, and integrative neurobiology is of interest. Specific examples can include physiological, neuro-psychological and/or cortical/cognitive mechanisms underlying successful completion of complex task behaviors applicable to nonlaboratory environments under non-ideal conditions, to include both amelioration of induced losses as well as enhancement in defined perceptual, cognitive and/or motor abilities. Investigations can span the gamut from multi-unit recordings through evoked potentials and neuro-imaging technologies to humoral and psychological correlates of both central and peripheral nervous system function. Non-medically oriented research designed to elucidate the fundamental physiology underlying cognition and possible non-invasive methods of monitoring cognitive states and processes during normal activity is appropriate. Perceptual and/or psychophysiological implications of mind-machine interfaces ranging from optimizing auditory, visual and/or somatosensory display and control systems based on physiological or psychological states through modeling of individual cognitive dynamics and decision making is appropriate to this research area. Technical Point of Contact: Dr. Elmar T. Schmeisser e-mail elmar.schmeisser@us.army.mil, (919) 549-4318.

Amount: unspecified

LOI: N/R

Deadline: September 30, 2011

To learn more: [http://www.arl.army.mil/www/DownloadedInternetPages/CurrentPages/DoingBusinesswithARL/research/07-r-0001-02\\_amendment2.pdf](http://www.arl.army.mil/www/DownloadedInternetPages/CurrentPages/DoingBusinesswithARL/research/07-r-0001-02_amendment2.pdf)

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

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## **Nanoscience and Nanotechnology in Biology and Medicine (R01) [PA-08-052] and (R21) [PA-08-053]**

PA-08-052 and PA-08-053

NIH

This funding opportunity (FOA) is aimed at enhancing nanoscience and nanotechnology research focused on problems in biology and medicine.

Amount: varies

LOI: N/R

Deadline: multiple, see listing

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-052.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-053.html>

Key Words:

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## **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

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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/PA-09-016.html>

Key Words: **Molecular Imaging Probes**

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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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-09-013.html>

Key Words: **Nanotechnology, Cancer**

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

PA-08-143 and PA-08-144

National Cancer Institute

This funding opportunity announcement (FOA) encourages Research Project Grant (R01) applications that propose to develop and validate new mitochondrial-related biomarkers for cancer early detection, diagnosis, prognosis, risk assessment, and response to preventive and ameliorative treatments.

Amount: varies

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-143.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-144.html>

Key Words:

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### **DTRA FY2009 – 2011 Basic Research for Combating Weapons of Mass Destruction (WMD) Broad Agency Announcement (BAA)**

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&oppld=17804>

Key Words: **Weapons of Mass Destruction**

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## Neurosciences

### Postdoctoral Fellowship Program in Eating Disorders Research

#### **NEW**

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**

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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)

#### **NEW**

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:

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**

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### Ancillary Studies in Clinical Trials of CNS/PNS Disorders – NINDS Accelerated Awards Program (R01)

#### **NEW**

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>

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Key Words: **Ancillary Studies, Clinical Trials**

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### **Exceptional, Unconventional Research Enabling Knowledge Acceleration (EUREKA) (R01)**

**NEW**

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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-10-009.html>

Key Words: **Novel, High Impact**

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

**New**

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&oppld=49231>

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

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### **2010 ADDF/LBDA Lewy Body Dementia Biomarker Research Award**

**NEW**

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**

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## Frontotemporal Dementia Drug Discovery Program

**NEW**

Alzheimer's Drug Discovery Foundation

The Alzheimer's Drug Discovery Foundation (ADDF) and The Association for Frontotemporal Dementias (AFTD) seek to accelerate and support drug discovery for FTD and related dementias through this Request for Proposals (RFP).

Research investigating the pathologic mechanisms of neurodegeneration in frontotemporal dementia (FTD) and related disorders has advanced recently, creating new potential targets for drug discovery.

Examples of programs appropriate for this RFP include, but are not limited to:

- Target validation studies
- Development and testing of novel high throughput screening assays
- Medicinal chemistry on lead compounds
- Identification and in vitro testing of potentially disease modifying lead compounds
- Testing of lead compounds in a relevant animal model for preclinical proof of concept
- ADME, toxicology, pharmacokinetics, pharmacodynamics on lead compounds
- Development and testing of targeted gene delivery strategies
- Development of biomarkers to accelerate drug development and early diagnosis
- Innovative pilot clinical trials

Amount: unspecified

LOI: N/R

Deadline: October 1, 2009

To learn more: <http://www.alzdiscovery.org/index.php/research-programs/grant-opportunities>

Key Words: **frontotemporal dementia (FTD), Neurodegeneration, Drug Discovery**

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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 sub

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

14.1. Bioengineering. Fundamental studies to define structure-function relationships and biochemical interactions for enzymes, receptors and other macromolecules exhibiting mechanisms and properties uniquely relevant to synthetic and degradative pathways of interest to the military, including establishment of the foundations for manipulation and exploitation of biocatalysis, ribosomal and non-ribosomal biosynthesis to enhance permissiveness toward elaboration of useful biomolecular structures and cellular systems designed with "metabolic engineering" in mind. Also, research to provide insight from nature on novel theoretical principles and mechanisms in sensory and motor function, as well as on materials with extraordinary properties, from biological sources. Includes not only initial molecular events, signal transduction pathways and integrated information processing for the powerful sensing capabilities exhibited in the biological world, but also self-assembly processes, hierarchical structure formation, and functional characterization of biomolecular materials such as those with potential "biomimetic" utility for nanometer scale fabrication or for energy and information transfer, among other possibilities. Technical Point of Contact: Dr. Robert Kokoska, Robert.kokoska@us.army.mil, (919) 549-4342.

14.2 Molecular Genetics and Genomics. This program emphasizes basic research in molecular genetics and genomics that will enable optimization of soldier cognitive and physical performance, soldier protection, and Army logistics. This includes human performance and protection under both normal conditions, and when affected by a variety of stressors that are likely to be encountered in battlefield situations, such as dehydration, heat, cold, sleep deprivation, fatigue, caloric insufficiency, microbial factors, and psychological stress. Genetic and genomic research areas include identification and characterization of gene function, gene regulation, genetic interactions, gene pathways, gene expression patterns, mitochondrial regulation and biogenesis, and nuclear and mitochondrial DNA replication, mutagenesis, oxidative stress, and DNA repair. Also molecular responses to pathogens, pathogen identification, and pathogen inactivation, as well as host-pathogen interactions, and host components of infection and resistance to infection. This program is also interested in the biotechnology of microarrays, including both genomic- and proteomic-based platforms, for real time detection of pathogens or physiological states that would reduce or interfere with human performance. This program also supports development of new biomaterials and bioproduction methods, and other advances in biotechnology methods and applications. Technical Point of Contact: Dr. Micheline Strand, e-mail: Micheline.strand@us.army.mil, (919) 549-4343.

14.3. Microbiology and Biodegradation. Biochemical and physiological mechanisms, underlying the biodegradative processes in normal, extreme, and engineered environments and fundamental studies on organisms in these environments, the properties of materials that make them susceptible or resistant to biological attack, basic concepts for anti-fungals, and studies of microbiological mechanisms with potential for contributing to the remediation of sites

contaminated with toxic wastes. Included are research investigations in analytical microbiology (including microbial signatures), and in general microbial mechanisms with relevance to Army problems. Addressed here also is research into microbial communities and how to study organisms that cannot be grown in the lab, as well as research into methods to enhance the stabilization of military materiel, which would include methods to prevent microbial growth.

Also included is the development of microbial systems for unique biotechnological applications and bioengineering processes with individual microbial species or consortia of microorganisms, emphasizing the control, stability, and mechanisms of the basic cellular processes involved. Technical Point of Contact: Dr. Micheline Strand, e-mail: Micheline.strand@us.army.mil, (919) 549-4343.

14.4 Neurophysiology and Cognitive Neuroscience. Research in the perception and cognition subfields of neurophysiology and the cognitive neurosciences, covering several or all areas of electrophysiology, psychophysiology, sensory and perceptual physiology, computational neurobiology, psychophysics, neuropsychology, and integrative neurobiology is of interest. Specific examples can include physiological, neuro-psychological and/or cortical/cognitive mechanisms underlying successful completion of complex task behaviors applicable to nonlaboratory environments under non-ideal conditions, to include both amelioration of induced losses as well as enhancement in defined perceptual, cognitive and/or motor abilities. Investigations can span the gamut from multi-unit recordings through evoked potentials and neuro-imaging technologies to humoral and psychological correlates of both central and peripheral nervous system function. Non-medically oriented research designed to elucidate the fundamental physiology underlying cognition and possible non-invasive methods of monitoring cognitive states and processes during normal activity is appropriate. Perceptual and/or psychophysiological implications of mind-machine interfaces ranging from optimizing auditory, visual and/or somatosensory display and control systems based on physiological or psychological states through modeling of individual cognitive dynamics and decision making is appropriate to this research area. Technical Point of Contact: Dr. Elmar T. Schmeisser e-mail elmar.schmeisser@us.army.mil, (919) 549-4318.

Amount: unspecified

LOI: N/R

Deadline: September 30, 2011

To learn more: [http://www.arl.army.mil/www/DownloadedInternetPages/CurrentPages/DoingBusinesswithARL/research/07-r-0001-02\\_amendment2.pdf](http://www.arl.army.mil/www/DownloadedInternetPages/CurrentPages/DoingBusinesswithARL/research/07-r-0001-02_amendment2.pdf)

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

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## 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**

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## 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](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5686)

Key Words: **Cognition, Vision, Attention, Memory**

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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

To learn more: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=8671](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=8671)

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

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## **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](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501089)

Key Words: **Neuroscience, Nervous System, Neural Interaction**

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## **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:

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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:

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

PA-08-071

NIH

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

Amount: varies

LOI: N/R

Deadline: continuous, see listing

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-071.html>

Key Words:

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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

To learn more: [http://www.nsf.gov/pubs/2009/nsf09563/nsf09563.htm?govDel=USNSF\\_25](http://www.nsf.gov/pubs/2009/nsf09563/nsf09563.htm?govDel=USNSF_25)

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/>). 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/rfa-files/RFA-MH-10-020.html>

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.

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-06-418.html>

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

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

PAR-08-194

National Institutes of Health (NIH)

National Institute of Mental Health (NIMH)

The National Institute of Mental Health (NIMH) invites applications for Conte Centers for Basic and Translational Mental Health Research. The purpose of these Centers is to support interdisciplinary teams of researchers engaging in integrative, novel, and creative experimental approaches to address high-risk, high-impact questions that will significantly advance the state of the science in brain and behavioral research relevant to mental health. Conte Centers comprise a collaborative, cutting-edge, interdisciplinary research program conducted at multiple levels of analysis spanning from genes to behavior to disease in humans, animals, and model systems, from infancy to adulthood as appropriate, based on a well-defined and unified scientific question (hypothesis) or problem. Areas of interest span the full range of basic neuroscience, basic behavioral science, genetics research, and proof-of-concept clinical trials, as well as the translational integration of neuroscience and behavioral science with study of the etiology, pathogenesis, and/or the developmental progression of mental disorders across the lifespan. Proposed Centers should be directed towards a well-defined and unified scientific question or problem and in some instances may include discovery-based as well as technology development components.

Amount: \$10,750,000

LOI: August 25, 2009; and August 25, 2010

Deadline: September 23, 2009; and September 23, 2010

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-08-194.html>

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

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

PA-07-397

National Institutes of Health (NIH)

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

Amount: unspecified

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-397.html>

Key Words: **Neurological Disorders**

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### **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/PA-08-175.html>

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

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### **Imaging - Science Track Award for Research Transition (I/START) [R03]**

PAR-09-073

National Institute on Drug Abuse (NIDA)

This funding opportunity announcement (FOA) issued by the National Institute on Drug Abuse encourages Small Research Grant (R03) applications to facilitate the entry of investigators to the area of neuroimaging, including both new investigators and established investigators seeking to adopt neuroimaging methodologies in their research programs. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.

Amount: \$150,000

LOI: 30 days prior to the application due date

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-073.html>

Key Words: **Neuroimaging**

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

PA-09-217

National Institute on Aging (NIA)

This FOA encourages multidisciplinary and interdisciplinary research to elucidate how Apolipoprotein E, lipoprotein receptors and CNS lipid homeostasis influence brain aging and the transition to neurodegeneration in Alzheimer's disease (AD). The ultimate goal is to gain an in depth understanding of the mechanisms by which the Apolipoprotein E e4 allele confers increased AD risk for the purpose of advancing the overall search for efficacious AD treatments and Apolipoprotein E e4-directed therapeutics in particular. To this end we encourage research spanning multiple levels of analysis in multiple species (from mice to man). Studies aimed at identifying new therapeutic targets for the treatment of AD and other age-related neurodegenerative conditions associated with lipid neurobiology are strongly encouraged. Also of great interest are projects that aim to use lipidomics, various types of imaging and other cutting edge technologies to identify and develop early biomarkers of neurodegeneration associated lipid dyshomeostasis.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-217.html>

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

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### **Alzheimer's Disease Drug Development Program (U01)**

PAR-08-266

National Institute on Aging (NIA)

The objective of this solicitation is to stimulate research in the pre-clinical development and testing of novel therapeutic compounds aimed at slowing, halting, or reversing the progressive decline in cognitive function and modifying the behavioral symptoms in Alzheimer's disease (AD); or delaying the onset of or preventing AD, mild cognitive impairment (MCI), or age-related cognitive decline. This initiative is intended to stimulate activities focused on providing sufficient data to submit an Investigational New Drug (IND) application to the Food and Drug Administration to begin human clinical testing of potential new therapies. For this program neither mechanistic/basic studies nor clinical trials will be supported; only applications to develop a therapy will be accepted.

Amount: \$4,000,000

LOI: September 1, 2009, October 1, 2009, January 4, 2010, February 1, 2010, September 1, 2010, October 1, 2010, January 3, 2011, February 1, 2011, September 1, 2011 and October 3, 2011. (Note: The October and February letters of receipt dates are for amended applications only).

Deadline: October 1, 2009, November 2, 2009, February 1, 2010, March 1, 2010, October 1, 2010, November 1, 2010, February 1, 2011, March 1, 2011, October 1, 2011 and November 1, 2011. (Note: The November and March receipt dates are for amended applications only).

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-266.html>

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

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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/PA-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/PA-08-228.html>

Key Words: **Neuromuscular Diseases, Stroke, Neurological Disease**

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### **Collaborative Neurological Sciences (CNS) Award (S11)**

PAR-07-357

National Institute of Neurological Disorders and Stroke (NINDS)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

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

Amount: \$1,000,000

LOI: 30 days before due date

Deadline: Standard dates apply

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-357.html>

Key Words: **Cooperative Science Programs, Neurology, Neuroscience**

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### **Advanced Neural Prosthetics Research and Development (U01)**

PA-09-063

National Institute of Neurological Disorders and Stroke (NINDS)

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

National Institute of Biomedical Imaging and Bioengineering (NIBIB)

The purpose of this Funding Opportunity Announcement (FOA) is to encourage applications to pursue translational and pilot clinical studies for neural prosthetics. The program will utilize the cooperative agreement mechanism to enable support for milestone-driven projects for the design, development, and demonstration of clinically-useful neural prosthetic devices. Activities supported in this program include implementation of clinical prototype devices, preclinical safety and efficacy testing, design verification and validation activities, pursuit of regulatory approval for clinical study, and proof-of-concept or pilot clinical studies.

Amount: \$5,000,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-063.html>

Key Words: **Neural Prosthetics**

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### **NINDS Diversity Research Education Grants in Neuroscience (R25)**

PAR-07-456

National Institute of Neurological Disorders and Stroke (NINDS)

The NINDS Research Education Grant is a flexible and specialized mechanism designed to foster the development of neuroscience researchers through creative and innovative educational programs. Programs are sought that focus on preparing researchers in cross-disciplinary integration of neuroscience, including basic, translational, behavioral, prevention, clinical, and treatment research. Of particular interest are educational experiences that will attract, train, and further the career development of underrepresented biomedical scientists to improve the diversity of the research workforce relevant to the mission of NINDS. The NIH expects efforts to diversify the workforce to lead to the recruitment of the most talented researchers from all groups.

Amount: \$1,250,000

LOI: Nonrequired letters of intent may be sent 30 days prior to the application submission date.

Deadline: standard dates apply (Sep 25, 2009)

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PAR-07-456.html>

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

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### **NINDS Institutional Center Core Grants to Support Neuroscience Research (P30)**

PAR-08-116

National Institute of Neurological Disorders and Stroke (NINDS)

NINDS Center Core Grants will support centralized resources and facilities shared by investigators with existing NINDS-funded research projects. Each Center will be composed of one or more research cores, each of which will enrich the effectiveness of ongoing research, and promote new research directions. There should be no overlap between the requested core facilities and other pre-existing core facilities. -Mechanism of Support. This Funding Opportunity Announcement (FOA) will use the NIH Center Core Grants (P30) award mechanism.

Amount: \$2,500,000

LOI: 30 days before the standard receipt dates

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-116.html>

Key Words: **Neuroscience**

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### **NINDS Cooperative Program in Translational Research - Resource Centers (U24)**

PAR-08-236

National Institute of Neurological Disorders and Stroke (NINDS)

The goal of this Funding Opportunity Announcement (FOA) is to implement a program of cooperative agreements that will support milestone-driven, resource-related projects focused on providing products and services that are required for the preclinical testing of new therapeutics, and that are specific to neurology.

Amount:

LOI: N/R

Deadline: standard dates apply (May 25, and September 25. AIDS application submission dates are May 7, September 7, and January 7)

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-236.html>

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

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-232.html>

Key Words: **Neurological Disorders**

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## **NINDS Cooperative Program in Translational Research – Single-Component Research Projects (U01)**

PAR-08-233

National Institute of Neurological Disorders and Stroke (NINDS)

The goal of this funding opportunity announcement (FOA) is to support pre-clinical development and testing of new therapies for neurological disorders. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program supports pre-clinical optimization and testing of these leads and projects must be sufficiently advanced that an IND or IDE application to the FDA can be submitted by the end of the project period. The program does not support early-stage therapeutic discovery activities such as high throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NINDS staff in the development of the project plan and monitoring of research progress

Amount: varies

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-233.html>

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

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## **NINDS Cooperative Program in Translational Research - Multi-Component Research Projects (U54)**

PAR-08-234

National Institute of Neurological Disorders and Stroke (NINDS)

The goal of this Funding Opportunity Announcement (FOA) is to support preclinical development and testing of new therapies for neurological disorders. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program does not support early-stage therapeutic discovery activities such as high-throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NINDS staff in the development of the project plan and monitoring of research progress.

Amount: varies

LOI: N/R

Deadline: standard dates apply (January 25, May 25, and September 25. AIDS application submission dates are May 7, September 7, and January 7)

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-234.html>

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

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-065.html>

Key Words: **Neurology, Neurological Research**

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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

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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/PA-08-158.html>

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>

Key Words:

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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: <http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-10-010.html> and <http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-10-011.html>

Key Words: **Neurodevelopment, Mental Health Disorders**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-008.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-009.html>

Key Words: **Neurodevelopment, Cognitive Development, Adolescent**

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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

**To learn more:** <http://grants.nih.gov/grants/guide/pa-files/PA-08-142.html>

**Key Words:**

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### **Michael J. Fox Foundation Launches Second Year of Rapid Response Innovation Awards**

MJFF

The program is designed to provide funding for strong ideas being tested for the first time. RRIA allows for the submission of applications at any time of year. There is no pre-proposal stage, and the standard application has been shortened to three pages. Additionally, postdoctoral researchers are permitted to apply as principal investigators under this initiative, provided the head of their lab serves as Administrative PI to assist with the provision of institutional documents and sign the award contract.

**Amount:** unspecified

**LOI:** N/R

**Deadline:** rolling

**To learn more:** [http://www.michaeljfox.org/research\\_openFundingPrograms\\_program.cfm?ID=7](http://www.michaeljfox.org/research_openFundingPrograms_program.cfm?ID=7)

**Key Words:** **Parkinsons Disease**

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### **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**

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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 6 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&oppld=48395>

**Key Words:** **Psychological Health, Traumatic Brain Injury**

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### **Basic and Applied Scientific Research**

W911NF-07-R-0003-02

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## 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

To learn more: <http://www.arl.army.mil/www/DownloadedInternetPages/CurrentPages/DoingBusinesswithARL/research/07r0003-02.pdf>

Key Words: **Cognition, Integrative Neurobiology**

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## 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**

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## 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:

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## 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

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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**

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## Nursing; Practice & Outcomes Research

### **Evaluating Innovations in Nursing Education**

**New**

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**

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### **Health Disparities in NIDDK Diseases (R01)**

**New**

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**

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### **Medication Optimization Diffusion Grants Program**

**NEW**

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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## **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

**To learn more:** <http://grants.nih.gov/grants/guide/pa-files/PA-05-091.html>

**Key Words:** **Nursing, Post Doctoral Training, Research Training**

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

PA-06-468/PA-08-226

National Institutes of Health (NIH)

The objective of the National Research Service Award (NRSA) program is to provide predoctoral and postdoctoral research training opportunities for individuals interested in pursuing research careers in biomedical, behavioral and clinical research. Each NIH Institute and Center has a unique scientific purview and different program goals and initiatives that evolve over time. It is therefore critical that all applicants consult with the scientific/research contact at the relevant NIH Institute or Center for current information about program priorities and policies before preparing an application. This action is of utmost importance because applications with marginal or no relevance to the NIH awarding components participating in this funding opportunity announcement will not be accepted for review or considered for funding.

**Amount:** varies

**LOI:** N/R

**Deadline:** Jan 25 annually; May 25 annually

**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**

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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

**To learn more:** <http://grants.nih.gov/grants/guide/pa-files/PA-09-014.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-015.html>

**Key Words:** **Pregnancy, Pregnancy Prevention, Unintended Pregnancy**

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### **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

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assessment methods and/or management strategies for pain with particular attention to the needs of older adults. Studies involving animal models or human subjects are appropriate under this program announcement.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-193.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-194.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-195.html>

Key Words: **Aging, Pain Management**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-122.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-121.html>

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

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### **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**

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### **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**

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### **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

**To learn more:** <http://grants.nih.gov/grants/guide/pa-files/PAR-08-148.html>

**Key Words:**

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### **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**

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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>

**Key Words:** **Biomarkers, Translational Research, Therapies**

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### **Small Grants for Behavioral Research in Cancer Control (R03)**

PA-09-003

National Cancer Institute (NCI)

National Institute of Nursing Research (NINR)

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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**

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### **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**

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### **Health Care Grant**

DFAV

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

Amount: \$100,000-\$200,000

LOI: N/R

Deadline: Continuous

To learn more: <http://www.avfdn.org/programs-healthcare.htm>

Key Words:

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### **Researching Implementation and Change while Improving Quality (R18)**

PAR-08-136

Agency for Healthcare Research and Quality

The Agency for Healthcare Research and Quality (AHRQ) announces the Agency's interest in supporting grants to rigorously study the implementation of quality improvement strategies and provide generalizable scientific findings about the implementation of the quality improvement strategy, related organizational changes, and their impact. There is increasing evidence that success in achieving quality improvement goals is at least partially attributable to implementation processes and contexts and not just to the nature of the quality improvement strategy. The research funded through this announcement may be conducted by the team designing/implementing the quality improvement strategy or it may be conducted by a separate team. The quality improvement strategy must be one that is expected to result in major improvements in health care delivery that will enhance patient outcomes. Research design and execution will yield results providing AHRQ, providers, patients, payers, policymakers, and the public with contextual details and high level of confidence about what works and what doesn't in improving health care in the United States.

Amount: varies but will not exceed \$300,000 annually

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-136.html>

Key Words:

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

**New**

PA-09-243 and PA-09-244

National Heart, Lung, and Blood Institute (NHLBI)

National Center for Complementary and Alternative Medicine (NCCAM)

National Institute of Nursing Research (NINR)

This FOA encourages Research Project Grant (R01) applications that propose research on the roles of nutrition and physical activity in the development, prevention, and management of cardiovascular diseases (CVD) or pulmonary diseases. In particular, the FOA aims to (1) improve knowledge of the contribution of diet and physical activity to these conditions and how sleep influences these relationships, (2) increase the evidence base for refining public health recommendations and clinical guidelines regarding these lifestyle behaviors, and (3) develop and test strategies to improve the adoption of these recommendations.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-243.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-244.html>

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

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## **Clarification of Specific Research Objective in PAR-09-224, Improving Diet and Physical Activity Assessment (R01)**

**New**

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

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**

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## **Program in Eating Disorders Research**

**New**

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/>

Key Words: **Anorexia Nervosa, Bulimia Nervosa, Binge Eating Disorder, Molecular Genetic Analysis, Neural Circuit Assembly**

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## Research Scholar Awards

### **NEW**

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.fdh.org/wmspage.cfm?parm1=103>

Key Words: **Gastroenterology, Hepatology**

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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>

Key Words:

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

PA-08-030 and PA-08-031

NIH

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

Amount: \$275,000 over 2 years

LOI: N/R

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-030.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-031.html>

Key Words:

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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

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NIH

This Funding Opportunity Announcement (FOA) is intended to make funding opportunities in the area of energy balance (i.e., the relationship between diet, physical activity, and body composition) known to researchers with expertise and experience in health economics, health services, and econometric modeling including multi-level analyses who otherwise might not be aware of the opportunity to apply their disciplines to this area of research. Obesity has become a major focus of public health efforts at the national, State, and local levels. The major focus of this FOA is to solicit projects that enhance the state-of-the-science on the causes of obesity and to inform Federal decision making on effective public health interventions for reducing the rate of obesity in the United States. Especially, this FOA aims to promote collaborative activities between researchers trained in economics and researchers specializing in public health, cancer, cardiovascular diseases and other chronic diseases

**Amount:** \$275,000 over an R21 two-year period

**LOI:** N/R

**Deadline:** multiple

**To learn more:** <http://grants.nih.gov/grants/guide/pa-files/PA-08-077.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-078.html>

**Key Words:**

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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

**To learn more:** <http://grants.nih.gov/grants/guide/pa-files/PA-08-131.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-132.html>

**Key Words:**

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### **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:**

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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).

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encourages Research Project Grant (R01) applications proposing to study bioenergetic factors underlying increased fatigability and activity limitations in aging. Increased fatigability is a significant cause of restricted physical and cognitive activity in older adults. Alterations in bioenergetics—the production and utilization of energy, and the regulation of these processes—may contribute significantly to increased fatigability. This FOA encourages applications that propose to 1) elucidate specific alterations in bioenergetics related to increased fatigability and activity limitations; 2) develop and evaluate improved measures of fatigability related to bioenergetics; 3) evaluate interventions for increased fatigability and activity limitations that target alterations in bioenergetics and lead to improved quality of life.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-190.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-191.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-192.html>

Key Words: **Aging, Fatigability, Bioenergetics**

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### **Metals in Medicine (R01)**

PA-08-251

National Institute of General Medical Sciences

National Cancer Institute

National Institute of Environmental Health Sciences

Office of Dietary Supplements

The objective of this Funding Opportunity Announcement (FOA), issued by the National Institute of General Medical Sciences (NIGMS), National Cancer Institute (NCI), National Institute of Environmental Health Sciences (NIEHS), and the Office of Dietary Supplements (ODS), National Institutes of Health is to encourage research that bridges the areas of inorganic chemistry and medicine. The mechanisms by which organisms control transition metal ions and the roles of these metals in cellular regulation and signaling in health and disease are of principal interest. The interactions of synthetic inorganic complexes with living systems and their components are an additional area of interest. These areas are linked by the need to involve researchers having a deep understanding of inorganic chemistry in medically relevant research. Much of the work is expected to involve collaborations including chemists, biologists, and medical researchers. The results will be relevant to understanding the mechanisms of metal handling by biological systems and the basic cellular roles underlying the nutritional requirement for essential metals. It is expected that this research will also contribute to the identification of new targets for drug discovery, diagnostics, and future therapeutic approaches involving metal complexes, although drug development, per se, is not a focus of the program.

Amount: varies

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-251.html>

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:

LOI: N/R

Deadline: November 2, 2009, March 1, 2010, July 1, 2010, November 1, 2010, March 1, 2011, July 1, 2011, November 1, 2011, March 1, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-177.html>

Key Words: **Obesity, Diabetes**

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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

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Eunice Kennedy Shriver National Institute of Child Health and Human Development  
Office of Behavioral and Social Science Research

The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) and the Office of Behavioral and Social Sciences Research (OBSSR) encourage NIH Research Demonstration and Dissemination Project grant (R18) applications from institutions/ organizations to test the effectiveness of interventions for the prevention and control of diabetes and obesity that have a high potential to be adopted, and sustained in applied health care settings. The approaches tested must be based on widely accepted interventions previously demonstrated to be efficacious in clinical trials. Research must target the prevention or reversal of obesity, prevention of type 2 diabetes, improved care of type 1 and type 2 diabetes, or the prevention or delay of the complications of these conditions. The interventions proposed under this FOA should have the potential to be widely disseminated to clinical practice, individuals and communities at risk.

Amount: \$2,500,000

LOI: N/R

Deadline: November 2, 2009, March 1, 2010, July 1, 2010, November 1, 2010, March 1, 2011, July 1, 2011, November 1, 2011, March 1, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-176.html>

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-223.html>

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-151.html>

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.

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Amount: \$3,750,000

LOI: October 22, 2009

Deadline: November 18, 2009

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-09-006.html>

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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-039.html>

Key Words: **Food Allergies**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-140.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-141.html>

Key Words:

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### **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

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To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-234.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-235.html>  
Key Words: **DNA Methylation, Histones, Dietary Supplements, Cancer**

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### **Investigational Nutrigenetic Studies for Cancer Prevention [(R01) PA-08-220] and [(R21) PA-08-221]**

PA-08-220 and PA-08-221

National Cancer Institute (NCI)

National Institute of Nursing Research (NINR)

Office of Dietary Supplements (ODS)

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-220.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-221.html>

Key Words: **Dietary Intervention, Cancer Susceptibility, Genetic Predictions**

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### **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/pa-files/PAR-09-224.html>

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-240.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-241.html>

Key Words: **Nutrition, Communication**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-140.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-141.html>

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

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## Oral Cavity/Dentistry

### **Exceptional, Unconventional Research Enabling Knowledge Acceleration (EUREKA) (R01)**

**NEW**

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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-10-009.html>

Key Words: **Novel, High Impact**

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### **Increasing the Service Life of Dental Resin Composites (R01) and (R21)**

**New**

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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-10-004.html> and <http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-10-005.html>Key Words: **Dental Resin, Composites, Biofilm Interactions****NIDCR Dentist Scientist Pathway to Independence Award (K99/R00)****New**

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****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

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-185.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****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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-06-418.html>

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

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### **NIDCR Small Research Grants for Data Analysis and Statistical Methodology (R03)**

PAR-09-182

National Institute of Dental and Craniofacial Research (NIDCR),

The goal of this funding opportunity announcement (FOA) is to support meritorious research projects that involve secondary data analyses or statistical methodology using existing dental or craniofacial database resources.

Amount: \$200,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-182.html>

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

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### **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**

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### **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**

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

PAR-08-119

National Institute of Dental and Craniofacial Research (NIDCR)

The National Institute of Dental and Craniofacial Research (NIDCR) seeks new Ruth L. Kirschstein National Research Service Award (NRSA) applications for an Individual Predoctoral Dental Scientist Fellowship (PDSF). The purpose of the PDSF is to offer an integrated dental and graduate research training program that leads to attainment of both the DDS/DMD and PhD (or equivalent) degrees.

Amount: \$50,000/year

LOI: N/R

Deadline: Standard NRSA receipt dates of April 8, August 8 and December 8

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-119.html>

Key Words: **Dentistry, Dental Training, Dental Fellowships**

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### **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: \$125,0000

LOI: N/R

Deadline: Sep 25, 2009

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PAR-07-332.html>

Key Words: **Dental Health, Dental Hygiene, Dentistry, Public Health**

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## **Patient Oriented Research**

### **Mechanisms, Models, Measurement, & Management in Pain Research (R01) and (R03) and (R21)**

**NEW**

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-07-282.html> and <http://grants2.nih.gov/grants/guide/pa-files/PA-06-543.html> and <http://grants2.nih.gov/grants/guide/pa-files/PA-06-542.html>

Key Words: **Pain Management**

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

**New**

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**

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## **Medication Optimization Diffusion Grants Program**

**NEW**

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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## **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](http://www.ssat.com/cgi-bin/awards_Career_Development.cgi)

Key Words: **Gastroenterology, Surgery**

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## **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:

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-040.html>

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: \$400,0000

LOI: N/R

Deadline: multiple, see link

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAS-08-061.html>

Key Words:

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### **Research On Ethical Issues In Human Subjects Research (R03), (R21), and (R01)**

PA-06-367 and PA-06-368 and PA-07-277

National Institutes of Health (NIH), multiple agencies

The National Institutes of Health (NIH) invites research grant applications to investigate ethical issues in human subjects research.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-06-367.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-06-368.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-07-277.html>

Key Words: **Ethics, Human Subjects**

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

PAR-08-194

National Institutes of Health (NIH)

National Institute of Mental Health (NIMH)

The National Institute of Mental Health (NIMH) invites applications for Conte Centers for Basic and Translational Mental Health Research. The purpose of these Centers is to support interdisciplinary teams of researchers engaging in integrative, novel, and creative experimental approaches to address high-risk, high-impact questions that will significantly advance the state of the science in brain and

behavioral research relevant to mental health. Conte Centers comprise a collaborative, cutting-edge, interdisciplinary research program conducted at multiple levels of analysis spanning from genes to behavior to disease in humans, animals, and model systems, from infancy to adulthood as appropriate, based on a well-defined and unified scientific question (hypothesis) or problem. Areas of interest span the full range of basic neuroscience, basic behavioral science, genetics research, and proof-of-concept clinical trials, as well as the translational integration of neuroscience and behavioral science with study of the etiology, pathogenesis, and/or the developmental progression of mental disorders across the lifespan. Proposed Centers should be directed towards a well-defined and unified scientific question or problem and in some instances may include discovery-based as well as technology development components.

Amount: \$10,750,000

LOI: August 25, 2009; and August 25, 2010

Deadline: September 23, 2009; and September 23, 2010

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-08-194.html>

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

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### **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

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-454.html>

Key Words: **AIDS**

**Cancer Biology, Cancer or Carcinogenesis, Molecular Epidemiology**

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### **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: **Addiction Treatment**

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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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### **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:

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### **International Research Collaborations on Drug Addiction (R21)**

PA-08-007

National Institute on Alcohol Abuse and Alcoholism

This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Exploratory/Developmental Research Project Grant (R21) applications from institutions/ organizations that propose to integrate basic behavioral research and intervention research for the prevention of alcohol-related HIV/AIDS risk.

Amount: varies

LOI: N/R

Deadline: Multiple dates, see announcement

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-007.html>

Key Words:

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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

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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:

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-122.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-121.html>

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

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### **NINDS Cooperative Program in Translational Research - Multi-Component Research Projects (U54)**

PAR-08-234

National Institute of Neurological Disorders and Stroke (NINDS)

The goal of this Funding Opportunity Announcement (FOA) is to support preclinical development and testing of new therapies for neurological disorders. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program does not support early-stage therapeutic discovery activities such as high-throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NINDS staff in the development of the project plan and monitoring of research progress.

Amount: varies

LOI: N/R

Deadline: standard dates apply (January 25, May 25, and September 25. AIDS application submission dates are May 7, September 7, and January 7)

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-234.html>

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

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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

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To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-233.html>

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

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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)  
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**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-008.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-009.html>

Key Words: **Neurodevelopment, Cognitive Development, Adolescent**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-173.html>

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-133.html>

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>

Key Words: **Biomarkers, Translational Research, Therapies**

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### **Pilot and Feasibility Clinical Research Grants in Kidney or Urologic Diseases (R21)**

PAR-09-077

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

This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, encourages Exploratory/Development Research Grants (R21) that propose small scale or pilot and feasibility clinical and translational research studies, including epidemiological studies or clinical trials related to kidney or urologic disease research that address important clinical and translational questions and are potentially of high clinical and public health impact. It is anticipated that some projects supported by these grants may lead to full-scale clinical studies including diagnostic strategies, epidemiological studies, or randomized clinical trials of diagnosis, prevention, or treatment of kidney or urologic diseases.

Amount: \$500,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-077.html>

Key Words: **Kidney Disease, Urinary Disease**

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### **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

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To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-09-005.html>

Key Words: **Liver Disease, Digestive Disease**

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### **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**

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### **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**

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### **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**

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

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

National Institute of Arthritis and Musculoskeletal and Skin Diseases

This Funding Opportunity Announcement (FOA) solicits applications that propose to conduct time-sensitive ancillary studies related to the NIAMS mission in conjunction with privately or publicly funded, large, ongoing clinical projects. The ongoing “parent” project can be a large clinical trial or observational study, or a disease registry that can provide a sufficient cohort of well-characterized patients, infrastructure, data, and biological samples. Applications submitted in response to this FOA will undergo an accelerated review and award process. Each application must include a timeline to demonstrate that the parent project has adequate time left to accommodate the proposed ancillary study. In addition, it must justify the time-sensitive nature of the ancillary study and the need for an expedited review and award process. It must also document permission from the parent project to use the patient cohorts, data, and biological materials. The objective of this FOA is to provide a flexible mechanism to leverage established resources and maximize the return on existing investments in parent projects. Successful ancillary studies will enhance the scientific content and value of the parent projects, improve the research community’s understanding of a disease or organ system in the NIAMS portfolio, and thus identify novel targets for diagnosis, treatment, and prevention of disease.

Amount: \$1,000,000

LOI: November 3, 2009; March 1, 2010

Deadline: December 3, 2009; April 1, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AR-10-010.html> and <http://grants.nih.gov/grants/guide/rfa-files/RFA-AR-10-011.html>

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

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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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-023.html>

Key Words: **Enteric Pathogens, Gastroenteritis, Malnutrition, Malabsorption**

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## **Translational Programs in Lung Diseases (P01)**

PAR-09-185

National Heart, Lung, and Blood Institute

This FOA issued by the NHLBI, National Institutes of Health, solicits Program Project Grant (P01) applications from institutions/organizations that will perform collaborative, translational research that moves mechanistic research to clinical applications to improve prevention, diagnosis and/or treatment of lung diseases and sleep disorders.

Amount: \$8,750,000

LOI: August 25, 2009; April 25, 2010; August 25, 2010; April 25, 2011; August 25, 2011; April 26, 2012; August 25, 2012

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: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-185.html>

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

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## **NIH Clinical Trial Planning Grant Program (R34)**

PA-09-186

National Eye Institute (NEI)

National Institute on Aging (NIA)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

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

National Institute of Child Health and Human Development

This Funding Opportunity Announcement (FOA) invites applications under the NIH Clinical Trial Planning Grant Program, the purpose of which is to provide support for the development of a Phase III clinical trial. This includes the establishment of the research team, the

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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**

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### **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/PA-09-003.html>

Key Words: **Cancer, Cancer Prevention, Cancer Control**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-145.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-144.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-143.html>

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

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### **National Cancer Institute Program Project (P01) Applications**

PAR-09-025

National Cancer Institute (NCI)

With this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI) invites applications for investigator-initiated program project (P01) grants. Proposed program projects may address any of the broad areas of cancer research, including (but not limited to) cancer biology, cancer treatment, cancer diagnosis, cancer prevention, and cancer control. Basic, translational, clinical, and/or population-based studies in all of these research areas are appropriate. Each Program Project application must consist of at least three component projects. The component projects must share a common central theme, focus, and/or overall objective.

Amount: varies

LOI: 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/PA-09-025.html>

Key Words: **Cancer, Cancer Biology, Clinical Translational Research**

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### **Translational Research in Pediatric and Obstetric Pharmacology (R01) and (R03) and (R21)**

PAR-09-154 and PAR-09-155 and PAR-09-156

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

This funding opportunity announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development encourages research grant applications to conduct studies to improve existing drug safety and efficacy, and to develop new drugs for pediatric and obstetric populations. The overall goals of this FOA are to support: (1) pharmacological studies addressing the special differences of drug actions and responses among children at various developmental stages, between children and adults, and between pregnant and non-pregnant women; (2) development of new drug targeting children and pregnant women; (3) multidisciplinary collaborations between basic and physician scientists to improve the use of therapeutics in obstetrics and pediatrics.

Amount: varies

LOI: Thirty days prior to application receipt date

Deadline: January 19, 2010, May 19, 2010, September 16, 2010, January 19, 2011, May 19, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-154.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-09-155.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-09-156.html>

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

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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

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

Key Words: **Muscular Dystrophy**

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### **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;jsessionid=LrNhrhG83Tv0yG86V3pJbC85vsVNLWYfZBTJlhP6WLFPSqHXqCDm!159861336?flag2006=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**

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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)

**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

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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

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## **Pediatrics**

### **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**

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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

To learn more: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=8671](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=8671)

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

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-037.html> and <http://grants1.nih.gov/grants/guide/pa-files/PA-07-038.html>

Key Words:

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-011.html>

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

Deadline: multiple, see link

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-054.html>

Key Words:

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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

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-399.html>

Key Words: **Deafness, Hearing**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-097.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-096.html>

Key Words: **Alcoholism, Adolescent Behavior**

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## **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**

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## **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**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-140.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-141.html>

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

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## **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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-09-031.html> and <http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-09-030.html>

Key Words: **Pets, Children, Obesity, Asthma, Child Development**

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## **Translational Research in Pediatric and Obstetric Pharmacology (R01) and (R03) and (R21)**

PAR-09-154 and PAR-09-155 and PAR-09-156

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

This funding opportunity announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development encourages research grant applications to conduct studies to improve existing drug safety and efficacy, and to develop new drugs for pediatric and obstetric populations. The overall goals of this FOA are to support: (1) pharmacological studies addressing the special differences of drug actions and responses among children at various developmental stages, between children and adults, and between pregnant and non-pregnant women; (2) development of new drug targeting children and pregnant women; (3) multidisciplinary collaborations between basic and physician scientists to improve the use of therapeutics in obstetrics and pediatrics.

Amount: varies

LOI: Thirty days prior to application receipt date

Deadline: January 19, 2010, May 19, 2010, September 16, 2010, January 19, 2011, May 19, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-154.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-155.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-156.html>

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

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

PAR-08-248 and PAR-08-249

Eunice Kennedy Shriver National Institute of Child Health and Human Development

National Institute on Drug Abuse

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

Amount: varies

LOI: December 21, 2009; April 23, 2010

Deadline: January 21, 2010; May 20, 2010

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-248.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-249.html>

Key Words: **Drug Response, Pediatric Drug Responses, Children, Adverse Drug Reactions**

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### **Medical Rehabilitation Research Resource (R24)**

RFA-HD-09-013

Eunice Kennedy Shriver National Institute of Child Health and Human Development

National Institute of Biomedical Imaging and Bioengineering (NIBIB)

National Institute of Neurological Disorders and Stroke (NINDS)

This Funding Opportunity Announcement (FOA), issued by NICHD, NINDS, and NIBIB, National Institutes of Health, solicits grant applications from institutions/organizations that propose to build research infrastructure for medical rehabilitation. The aim of this FOA is to create a national network of research cores that provide access to collateral expertise in biomedical, behavioral, and/or psychosocial fields that are particularly relevant to medical rehabilitation research. Applicants should propose a program of research resources and collaborative opportunities in a specific content area. This may be accomplished through a combination of didactic interactions (workshops, courses, written material, and websites), consultations, and pilot funding. In addition, the research core may support intramural activities related to technique development, adaptation, and validation. Although examples of relevant expertise and content are provided below, additional areas may be proposed provided they have potential for promoting medical rehabilitation research and improving outcomes for people with disabilities.

Amount: \$3,500,000

LOI: September 2, 2009

Deadline: October 1, 2009

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-09-013.html>

Key Words: **Medical Rehabilitation**

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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

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

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-261.html>

Key Words: **Emergency Medical Services for Children**

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## **Pharmacy and Pharmacology Research**

### **Mechanisms, Models, Measurement, & Management in Pain Research (R01) and (R03) and (R21)**

**NEW**

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-07-282.html> and <http://grants2.nih.gov/grants/guide/pa-files/PA-06-543.html> and <http://grants2.nih.gov/grants/guide/pa-files/PA-06-542.html>

Key Words: **Pain Management**

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### **Targeted Library Synthesis and Screening at Novel Targets for Potential Drug Addiction Treatments and Research Tools (R21/R33)**

**NEW**

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

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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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-005.html>

Key Words: **Drug Addiction, Treatment, Novel Medications**

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## **Optimization of Small Molecule Probes for the Nervous System (STTR [R41]) and (SBIR [R43])**

### **New**

PAR-09-259 and PAR-09-260

National Institute of Neurological Disorders and Stroke (NINDS)

National Eye Institute (NEI)

National Institute on Aging (NIA)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

National Institute on Drug Abuse (NIDA)

This Funding Opportunity Announcement (FOA) encourages Small Business Technology Transfer (STTR) grant applications from small business concerns (SBCs) that propose to develop new small molecule probes for investigating biological function in the nervous system via the application of advanced medicinal chemistry and the biological testing of compounds. Eligible SBCs will have identified probe candidates via screening of small molecule collections, using in vitro assays of biological activity developed to interrogate these collections, and be able to show that the structural features of these small molecules are related to their biological activity. Applications should nominate small molecule probe candidates from distinct structural series for the further, iterative design and testing of analogues in structure-activity relationship studies, using in vitro assays of biological function adapted to the medium throughput screening requirements of this work. These studies should have the goal of developing a small molecule probe possessing the attributes (eg: affinity, selectivity, activity) required for its use in future pharmacological studies proposed by the SBC. Applicants are strongly encouraged to utilize publicly available cheminformatic capabilities for the acquisition of compounds, and semi-custom synthesis of analogues, which is required of these studies.

Amount: \$300,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-259.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-09-260.html>

Key Words: **Small Molecule Probes**

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## **Frontotemporal Dementia Drug Discovery Program**

### **NEW**

Alzheimer's Drug Discovery Foundation

The Alzheimer's Drug Discovery Foundation (ADDF) and The Association for Frontotemporal Dementias (AFTD) seek to accelerate and support drug discovery for FTD and related dementias through this Request for Proposals (RFP).

Research investigating the pathologic mechanisms of neurodegeneration in frontotemporal dementia (FTD) and related disorders has advanced recently, creating new potential targets for drug discovery.

Examples of programs appropriate for this RFP include, but are not limited to:

- Target validation studies
- Development and testing of novel high throughput screening assays
- Medicinal chemistry on lead compounds
- Identification and in vitro testing of potentially disease modifying lead compounds
- Testing of lead compounds in a relevant animal model for preclinical proof of concept
- ADME, toxicology, pharmacokinetics, pharmacodynamics on lead compounds
- Development and testing of targeted gene delivery strategies
- Development of biomarkers to accelerate drug development and early diagnosis
- Innovative pilot clinical trials

Amount: unspecified

LOI: N/R

Deadline: October 1, 2009

To learn more: <http://www.alzdiscovery.org/index.php/research-programs/grant-opportunities>

Key Words: **frontotemporal dementia (FTD), Neurodegeneration, Drug Discovery**

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## **Clinical Studies of Safety and Effectiveness of Orphan Products; Research Project Grant (R01)**

RFA-FD-09-001

Office of Orphan Products Development (OPD)

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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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-FD-09-001.html>

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>

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

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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.

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-029.html>

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-215.html>

Key Words: **Pharmacology**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-106.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-107.html>

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

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

PAS-08-186 and PAS-08-187

National Institute on Drug Abuse

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

Amount: \$2,500,000

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAS-08-186.html> and <http://grants.nih.gov/grants/guide/pa-files/PAS-08-187.html>

Key Words: **Drug Abuse, Drug Development**

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### **Alzheimer's Disease Drug Development Program (U01)**

PAR-08-266

National Institute on Aging (NIA)

The objective of this solicitation is to stimulate research in the pre-clinical development and testing of novel therapeutic compounds aimed at slowing, halting, or reversing the progressive decline in cognitive function and modifying the behavioral symptoms in Alzheimer's disease (AD); or delaying the onset of or preventing AD, mild cognitive impairment (MCI), or age-related cognitive decline. This initiative is intended to stimulate activities focused on providing sufficient data to submit an Investigational New Drug (IND) application to the Food and Drug Administration to begin human clinical testing of potential new therapies. For this program neither mechanistic/basic studies nor clinical trials will be supported; only applications to develop a therapy will be accepted.

Amount: \$4,000,000

LOI: [September 1, 2009, October 1, 2009, January 4, 2010, February 1, 2010, September 1, 2010, October 1, 2010, January 3, 2011, February 1, 2011, September 1, 2011 and October 3, 2011.](#) (Note: The October and February letters of receipt dates are for amended a  
Deadline: [October 1, 2009, November 2, 2009, February 1, 2010, March 1, 2010, October 1, 2010, November 1, 2010, February 1, 2011, March 1, 2011, October 1, 2011 and November 1, 2011.](#) (Note: The November and March receipt dates are for amended applications only).

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-266.html>

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

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### **NINDS Exploratory/Developmental Projects in Translational Research (R21)**

PAR-08-232

National Institute of Neurological Disorders and Stroke (NINDS)

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This Funding Opportunity Announcement (FOA) requests applications for projects intended to complete preliminary steps in the pipeline for the pre-clinical development of therapeutics for neurological disorders. Such projects, if successful, should lead directly to a subsequent project that will include all remaining activities for submission of an Investigational New Drug (IND) or Investigational Device Exemptions (IDE) application to the Food and Drug Administration (FDA). Only Aims required for therapy development can be supported in this program. This program excludes clinical research, basic research and studies of disease mechanism.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-232.html>

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-142.html>

Key Words:

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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

Deadline: multiple dates (June 22, 2009, February 22, 2010, October 22, 2010, June 22, 2011, February 22, 2012)

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-160.html>

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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-023.html>

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)**

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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-026.html>

Key Words: **Drug Resistant Bacteria, Eukaryotic Parasites**

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## **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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-034.html>

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

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## **FDA Small Scientific Conference Program (R13/U13)**

RFA-FD-08-003

FDA

This funding opportunity provides updated guidelines for the Food and Drug Administration support of conferences and scientific meetings.

Amount: varies

LOI: N/R

Deadline: October 15; January 15; April 15; July 15 annually

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-FD-08-003.html>

Key Words:

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## **Translational Research in Pediatric and Obstetric Pharmacology (R01) and (R03) and (R21)**

PAR-09-154 and PAR-09-155 and PAR-09-156

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

This funding opportunity announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development encourages research grant applications to conduct studies to improve existing drug safety and efficacy, and to develop new drugs for pediatric and obstetric populations. The overall goals of this FOA are to support: (1) pharmacological studies addressing the special differences of drug actions and responses among children at various developmental stages, between children and adults, and between pregnant and non-pregnant women; (2) development of new drug targeting children and pregnant women; (3) multidisciplinary collaborations between basic and physician scientists to improve the use of therapeutics in obstetrics and pediatrics.

Amount: varies

LOI: Thirty days prior to application receipt date

Deadline: January 19, 2010, May 19, 2010, September 16, 2010, January 19, 2011, May 19, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-154.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-09-155.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-09-156.html>

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

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

PAR-08-248 and PAR-08-249

Eunice Kennedy Shriver National Institute of Child Health and Human Development  
National Institute on Drug Abuse

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

Amount: varies

LOI: December 21, 2009; April 23, 2010

Deadline: January 21, 2010; May 20, 2010

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-248.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-08-249.html>

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-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;jsessionid=LrNhrhG83Tv0yG86V3pJbC85vsVNLWYfZBTJlhP6WLFPSqHXqCDm!159861336?flag2006=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**

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## **DTRA FY2009 – 2011 Basic Research for Combating Weapons of Mass Destruction (WMD) Broad Agency Announcement (BAA)**

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&opId=17804>

Key Words: **Weapons of Mass Destruction**

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## Prizes & Awards

### the ARC Léopold Griffuel Prize

#### **NEW**

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**

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### 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**

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### NCI Transition Career Development Award to Promote Diversity (K22)

PAR-08-047

NCI

This Funding Opportunity Announcement (FOA) represents the continuation of an NCI program to make possible the diversification of the cancer research workforce via facilitation of the transition of investigators from minority groups underrepresented in biomedical research, primarily those with clinical doctoral degrees as well as those with doctoral degrees working in the areas of cancer prevention, control, behavioral, or population science research, from the mentored stage of career development in academic cancer research to the independent stage. This goal is achieved by providing protected time through salary and research support for 3 years to: postdoctoral individuals or junior faculty in mentored positions transitioning into their first independent position; and investigators within the first 2 years of their first independent cancer research position, to initiate and develop their independently-supported cancer research programs.

Amount: 3 years of salary (up to \$75,000 per annum plus fringe benefits) and research support up to \$50,000 per annum.

LOI: N/R

Deadline: multiple, see listing

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-047.html>

Key Words:

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## Faculty Early Career Development (CAREER) Program

NSF 08-557

National Science Foundation

CAREER: The Faculty Early Career Development (CAREER) Program is a Foundation-wide activity that offers the National Science Foundation's most prestigious awards in support of junior faculty who exemplify the role of teacher-scholars through outstanding research, excellent education and the integration of education and research within the context of the mission of their organizations. Such activities should build a firm foundation for a lifetime of leadership in integrating education and research. NSF encourages submission of CAREER proposals from junior faculty members at all CAREER-eligible organizations and especially encourages women, members of underrepresented minority groups, and persons with disabilities to apply.

Amount: varies

LOI: N/R

Deadline: July 20, 2010

To learn more: [http://www.nsf.gov/pubs/2008/nsf08557/nsf08557.htm?govDel=USNSF\\_25](http://www.nsf.gov/pubs/2008/nsf08557/nsf08557.htm?govDel=USNSF_25)

Key Words:

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## Academic Career Award (K07)

PA-08-152

National Cancer Institute

National Center for Complementary and Alternative Medicine

National Institute on Aging

National Institute on Alcohol Abuse and Alcoholism

Office of Dietary Supplements

The purpose of the NIH Academic Career Award is to provide support to increase the pool of individuals with academic and research expertise to become academic researchers and to enhance the educational or research capacity at the grantee sponsoring grantee institution. The Academic Career Award supports Development awards for more junior level candidates and Leadership awards for more senior individuals with acknowledged scientific expertise and leadership skills.

Amount: 3-5 years support

LOI: N/R

Deadline: multiple

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-152.html>

Key Words:

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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 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>

Key Words: **Schizophrenia**

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## Psychobehavioral Diseases/Mental Health

### 2010 NIH Director's New Innovator Award Program (DP2) and (DP1)

**New**

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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-09-011.html> and <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-09-010.html>

Key Words: **Biomedical, Behavioral Research**

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## **Interventions And Practice Research Infrastructure Program (IP-RISP) (R24)**

**New**

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**

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## **Notice of Intent to Publish a Request for Applications for Biobehavioral Research Awards for Innovative New Scientists (BRAINS) (R01)**

**NEW**

NOT-MH-09-016

National Institute of Mental Health (NIMH)

The National Institute of Mental Health (NIMH) intends to issue a Request for Applications (RFA) to solicit applications for the Biobehavioral Research Awards for Innovative New Scientists (BRAINS) (R01). This award is intended to support the research and research career development of promising Early Stage Investigators (as defined by NIH in NOT-OD-09-013) who plan to make a long term career commitment to research in specific mission areas of the NIMH. This award seeks to assist these individuals in launching an innovative clinical, translational, basic or services research program that holds the potential to profoundly transform the understanding, diagnosis, treatment, or prevention of mental disorders. For FY 2010, the BRAINS program will focus on the research priorities and gap areas identified in the NIMH Strategic Plan (<http://www.nimh.nih.gov/about/strategic-planning-reports/index.shtml>).

This notice is being provided to allow potential applicants sufficient time to develop meaningful collaborations and responsive projects.

The RFA is expected to be published in September 2009 with an expected receipt date in November, 2009.

This RFA will utilize the R01 grant mechanism. Given the emphasis on early stage investigators, multi-PI applications will not be allowed.

Amount:

LOI:

Deadline: Released September 1, 2009

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-MH-09-016.html>

Key Words: **Biobehavioral Research, mental Disorders**

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## **Biosignature Discovery for Personalized Treatment in Depression (U01)**

**NEW**

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

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To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-10-040.html>

Key Words: **Biomarkers, Major Depressive Disorder**

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## **Exceptional, Unconventional Research Enabling Knowledge Acceleration (EUREKA) (R01)**

**NEW**

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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-10-009.html>

Key Words: **Novel, High Impact**

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## **Program in Eating Disorders Research**

**New**

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/>

Key Words: **Anorexia Nervosa, Bulimia Nervosa, Binge Eating Disorder, Molecular Genetic Analysis, Neural Circuit Assembly**

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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**

**New**

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
14. Emergency Preparedness & Response
16. Advanced Data Analysis & Visualization

Amount: unspecified

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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**

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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 sub

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

14.1. Bioengineering. Fundamental studies to define structure-function relationships and biochemical interactions for enzymes, receptors and other macromolecules exhibiting mechanisms and properties uniquely relevant to synthetic and degradative pathways of interest to the military, including establishment of the foundations for manipulation and exploitation of biocatalysis, ribosomal and non-ribosomal biosynthesis to enhance permissiveness toward elaboration of useful biomolecular structures and cellular systems designed with "metabolic engineering" in mind. Also, research to provide insight from nature on novel theoretical principles and mechanisms in sensory and motor function, as well as on materials with extraordinary properties, from biological sources. Includes not only initial molecular events, signal transduction pathways and integrated information processing for the powerful sensing capabilities exhibited in the biological world, but also self-assembly processes, hierarchical structure formation, and functional characterization of biomolecular materials such as those with potential "biomimetic" utility for nanometer scale fabrication or for energy and information transfer, among other possibilities. Technical Point of Contact: Dr. Robert Kokoska, Robert.kokoska@us.army.mil, (919) 549-4342.

14.2 Molecular Genetics and Genomics. This program emphasizes basic research in molecular genetics and genomics that will enable optimization of soldier cognitive and physical performance, soldier protection, and Army logistics. This includes human performance and protection under both normal conditions, and when affected by a variety of stressors that are likely to be encountered in battlefield situations, such as dehydration, heat, cold, sleep deprivation, fatigue, caloric insufficiency, microbial factors, and psychological stress. Genetic and genomic research areas include identification and characterization of gene function, gene regulation, genetic interactions, gene pathways, gene expression patterns, mitochondrial regulation and biogenesis, and nuclear and mitochondrial DNA replication, mutagenesis, oxidative stress, and DNA repair. Also molecular responses to pathogens, pathogen identification, and pathogen inactivation, as well as host-pathogen interactions, and host components of infection and resistance to infection. This program is also interested in the biotechnology of microarrays, including both genomic- and proteomic-based platforms, for real time detection of pathogens or physiological states that would reduce or interfere with human performance. This program also supports development of new biomaterials and bioproduction methods, and other advances in biotechnology methods and applications. Technical Point of Contact: Dr. Micheline Strand, e-mail: Micheline.strand@us.army.mil, (919) 549-4343.

14.3. Microbiology and Biodegradation. Biochemical and physiological mechanisms, underlying the biodegradative processes in normal, extreme, and engineered environments and fundamental studies on organisms in these environments, the properties of materials that make them susceptible or resistant to biological attack, basic concepts for anti-fungals, and studies of microbiological mechanisms with potential for contributing to the remediation of sites contaminated with toxic wastes. Included are research investigations in analytical microbiology (including microbial signatures), and in general microbial mechanisms with relevance to Army problems. Addressed here also is research into microbial communities and how to study organisms that cannot be grown in the lab, as well as research into methods to enhance the stabilization of military materiel, which would include methods to prevent microbial growth.

Also included is the development of microbial systems for unique biotechnological applications and bioengineering processes with individual microbial species or consortia of microorganisms, emphasizing the control, stability, and mechanisms of the basic cellular processes involved. Technical Point of Contact: Dr. Micheline Strand, e-mail: Micheline.strand@us.army.mil, (919) 549-4343.

14.4 Neurophysiology and Cognitive Neuroscience. Research in the perception and cognition subfields of neurophysiology and the cognitive neurosciences, covering several or all areas of electrophysiology, psychophysiology, sensory and perceptual physiology, computational neurobiology, psychophysics, neuropsychology, and integrative neurobiology is of interest. Specific examples can include physiological, neuro-psychological and/or cortical/cognitive mechanisms underlying successful completion of complex task behaviors applicable to nonlaboratory environments under non-ideal conditions, to include both amelioration of induced losses as well as enhancement in defined perceptual, cognitive and/or motor abilities. Investigations can span the gamut from multi-unit recordings through evoked potentials and neuro-imaging technologies to humoral and psychological correlates of both central and peripheral nervous system function. Non-medically oriented research designed to elucidate the fundamental physiology underlying cognition and possible non-invasive methods of monitoring cognitive states and processes during normal activity is appropriate. Perceptual and/or psychophysiological implications of mind-machine

interfaces ranging from optimizing auditory, visual and/or somatosensory display and control systems based on physiological or psychological states through modeling of individual cognitive dynamics and decision making is appropriate to this research area. Technical Point of Contact: Dr. Elmar T. Schmeisser e-mail [elmar.schmeisser@us.army.mil](mailto: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](http://www.arl.army.mil/www/DownloadedInternetPages/CurrentPages/DoingBusinesswithARL/research/07-r-0001-02_amendment2.pdf)

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

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### **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](http://www.afsp.org/index.cfm?fuseaction=home.viewPage&page_id=0535FDA2-FA7D-AAE8-D7A9A6BCFFE3574B)

Key Words:

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### **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](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08561)

Key Words: **Statistical Surveys, Mental Health Assessment**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-153.html>

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

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## **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:

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## **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](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501086)

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

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

PAR-08-194

National Institutes of Health (NIH)

National Institute of Mental Health (NIMH)

The National Institute of Mental Health (NIMH) invites applications for Conte Centers for Basic and Translational Mental Health Research. The purpose of these Centers is to support interdisciplinary teams of researchers engaging in integrative, novel, and creative experimental approaches to address high-risk, high-impact questions that will significantly advance the state of the science in brain and behavioral research relevant to mental health. Conte Centers comprise a collaborative, cutting-edge, interdisciplinary research program conducted at multiple levels of analysis spanning from genes to behavior to disease in humans, animals, and model systems, from infancy to adulthood as appropriate, based on a well-defined and unified scientific question (hypothesis) or problem. Areas of interest span the full range of basic neuroscience, basic behavioral science, genetics research, and proof-of-concept clinical trials, as well as the translational integration of neuroscience and behavioral science with study of the etiology, pathogenesis, and/or the developmental progression of mental disorders across the lifespan. Proposed Centers should be directed towards a well-defined and unified scientific question or problem and in some instances may include discovery-based as well as technology development components.

Amount: \$10,750,000

LOI: August 25, 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**

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## **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**

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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)

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**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-137.html>

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-174.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-175.html>

Key Words: **Post-Partum Depression**

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### **Mental Health Dissertation Research Grant to Increase Diversity (R36)**

PAR-09-132

National Institute of Mental Health (NIMH)

The purpose of this funding opportunity is to increase the diversity of the mental health research workforce. It will enable qualified doctoral candidates to pursue research careers in any area relevant to the research mission of the National Institute of Mental Health (NIMH). These awards are available to US citizens or permanent residents who are predoctoral students advanced to candidacy in accredited research doctoral programs in the United States (including Puerto Rico and other U.S. territories or possessions).

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)

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-132.html>

Key Words: **Doctoral Training Support, Mental Health Professions**

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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: <http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-10-010.html> and <http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-10-011.html>

Key Words: **Neurodevelopment, Mental Health Disorders**

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### **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**

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### **Functioning of People with Mental Disorders (R01)**

PA-08-255

National Institute of Mental Health (NIMH)

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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**

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

PAR-08-199

National Institute of Mental Health (NIMH)

With the initial stages of the Human Genome Project completed and new insights gained into the complex interplay of genomic function, genomic structure and the environment in mental disorders, attention is shifting towards the translational promise of the completed human sequence and a new era of genomic medicine in mental disorders. A special emphasis of this Funding Opportunity Announcement (FOA) issued by the National Institute of Mental Health (NIMH), National Institutes of Health (NIH), is to support applications that implement large-scale studies and innovative analytical designs that will disaggregate a given mental disorder into components of finite risks. These developments may be evolutionary or may be fundamentally new and may lead to paradigm shifts in the field. Applications submitted in response to this FOA may propose new technologies for cost effective whole genome analysis and in-depth sequencing and analysis of candidate genes and genomic regions in pedigrees or in a sample of unrelated cases with mental disorders. Applications for large-scale haplotype analysis and the development of new analytical methods also are encouraged.

**Amount:** varies

**LOI:** N/R

**Deadline:** standard application deadlines for the R01 funding mechanism are February 5, June 5, and October 5.

**To learn more:** <http://grants.nih.gov/grants/guide/pa-files/PAR-08-199.html>

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

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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.

**To learn more:** <http://grants.nih.gov/grants/guide/pa-files/PAR-09-172.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-09-171.html>

**Key Words:** **Post-Traumatic Stress, Disaster Impact**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-150.html>

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

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-173.html>

Key Words: **Health Risk Behavior, Mental Health Treatment**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-008.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-009.html>

Key Words: **Neurodevelopment, Cognitive Development, Adolescent**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-164.html>

Key Words: **Biomedical, Behavioral, or Clinical Research**

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## **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/>

Key Words: **Psychiatric Disorders, Mental Health**

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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)

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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/PA-08-207.html>

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

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## **Research on Teen Dating Violence (R01) and (R21)**

PA-09-169 and PA-09-170

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

National Institute on Drug Abuse (NIDA)

National Institute on Alcohol and Alcohol Abuse (NIAAA)

Office for Research on Women's Health (ORWH)

This Funding Opportunity Announcement (FOA) encourages investigator-initiated research grant applications from institutions/ organizations that propose to conduct behavioral and/or biomedical research aimed at better understanding the etiologies and precursors for, reducing risk for, and incidence of, teen dating violence (TDV). Research is also sought that examines the linkages and gaps among perceptions of appropriate responses to teen dating violence from service providers, the criminal justice system, teens themselves, victims, perpetrators and bystanders.

Amount: \$2,500,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-169.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-170.html>

Key Words: **Teen Violence**

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## **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

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Deadline: August 27, 2010

To learn more: <http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=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 6 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&oppld=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

To learn more: <http://www.arl.army.mil/www/DownloadedInternetPages/CurrentPages/DoingBusinesswithARL/research/07r0003-02.pdf>

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 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>

Key Words: **Schizophrenia**

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## 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&opId=46106>

Key Words: **Cognition, Behavioral Influences**

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## Public Health

### Public Health Services and Systems Research

**New**

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**

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### The Health Clinic Opportunity Fund

**NEW**

The Kresge Foundation

The Health Clinic Opportunity Fund is targeted to free clinics, public health clinics and those designated federally qualified health center look-alikes and is designed to support and strengthen their capacity to meet both the immediate and long-term health needs of their constituents.

Amount: \$150,000

LOI: N/R

Deadline: March 1, 2010

To learn more: [http://www.kresge.org/index.php/program\\_updates/article/kresge\\_foundation\\_announces\\_two\\_new\\_health\\_initiatives/](http://www.kresge.org/index.php/program_updates/article/kresge_foundation_announces_two_new_health_initiatives/)

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

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### Safety-net Enhancement Initiative

**NEW**

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/](http://www.kresge.org/index.php/program_updates/article/kresge_foundation_announces_two_new_health_initiatives/)

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

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## Robert Wood Johnson Foundation Health & Society Scholars Program

**New**

Robert Wood Johnson Foundation

The Health & Society Scholars program provides two years of support to postdoctoral scholars at all stages of their careers to build the nation's capacity for research and leadership that addresses the multiple determinants of population health and contribute to policy change.

The program is based on the principle that progress in the field of population health depends upon multidisciplinary collaboration and exchange. Its goal is to improve health by training scholars to investigate the connections among biological, genetic, behavioral, environmental, economic, and social determinants of health; and to develop, evaluate, and disseminate knowledge and interventions that integrate and act on these determinants to improve health. The program is intended to produce leaders who will change the questions asked, the methods employed to analyze problems, and the range of solutions designed to reduce population health disparities and improve the health of all Americans.

Amount: \$181,000

LOI: N/R

Deadline: October 2, 2009

To learn more: [http://foundationcenter.org/pnd/rfp/rfp\\_item.jhtml?id=263300028](http://foundationcenter.org/pnd/rfp/rfp_item.jhtml?id=263300028)

Key Words: **Population Health, Public Policy, Ethics**

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## Interventions And Practice Research Infrastructure Program (IP-RISP) (R24)

**New**

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**

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## Health Disparities in NIDDK Diseases (R01)

**New**

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**

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## Clarification of Specific Research Objective in PAR-09-224, Improving Diet and Physical Activity Assessment (R01)

**New**

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

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**

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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

**New**

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
14. Emergency Preparedness & Response
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**

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## Children, Youth, and Families at-Risk (CYFAR) Sustainable Community Projects

**NEW**

USDA-CSREES-SLBCD-002524

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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 as 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](http://www.csrees.usda.gov/funding/rfas/cyfar_scp.html)

Key Words: **Community Programs, at-risk Children, Youth and Families**

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## Grand Challenges Explorations Round 4

**New**

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>

Key Words: **Diagnostics, Infectious Disease Prevention, Mucosal Immunity**

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## AHRQ Small Grant Program for Conference Support (R13)

**New**

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>

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Key Words: **Conferences, Health Care**

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### **AHRQ Grant Program for Large or Recurring Conferences (R13)**

**New**

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**

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### **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](http://www.afsp.org/index.cfm?fuseaction=home.viewPage&page_id=0535FDA2-FA7D-AAE8-D7A9A6BCFFE3574B)

Key Words:

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### **Changes in Health Care Financing and Organization (HCFO)**

Robert Wood Johnson Foundation (RWJF)

This program supports policy analysis, research, evaluation and demonstration projects that provide policy leaders timely information on health care policy and financing issues. This Call for Proposals is intended to support projects that: 1) examine significant issues and interventions related to health care financing and organization and their effects on health care costs, quality and access; and 2) explore or test major new ways to finance and organize health care that have the potential to improve access to more affordable and higher quality health services.

Amount: >\$100,000

LOI: N/R

Deadline: Grants are awarded on a rolling basis; proposals may be submitted at any time

To learn more: <http://www.rwjf.org/applications/solicited/cfp.jsp?ID=19274&c=EMC-ADV>

Key Words: **Health Care Policy, Health Care Financing**

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### **Robert Wood Johnson Foundation Health & Society Scholars**

Robert Wood Johnson Foundation

The Robert Wood Johnson Foundation Health & Society Scholars program provides two years of support to postdoctoral scholars at all stages of their careers to build the nation's capacity for research and leadership to address the multiple determinants of population health and contribute to policy change. The program is based on the principle that progress in the field of population health depends upon multidisciplinary collaboration and exchange. Its goal is to improve health by training scholars to:

1. investigate the connections among biological, genetic, behavioral, environmental, economic and social determinants of health; and
  2. develop, evaluate and disseminate knowledge, interventions and policies that integrate and act on these determinants to improve health.
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The program is intended to produce leaders who will change the questions asked, the methods employed to analyze problems and the range of solutions.

Amount: \$180,000

LOI: N/R

Deadline: October 2, 2009

To learn more: [http://www.rwjf.org/files/applications/cfp/cfp\\_HSS2009.pdf](http://www.rwjf.org/files/applications/cfp/cfp_HSS2009.pdf)

Key Words: **Health Policy, Population Health**

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### **Mentored Research Scientist Research Career Development Award (K01)**

PAR-09-087

Office of Extramural Research, Education and Priority Populations (OEREP)

The primary purpose of the AHRQ Mentored Research Scientist Research Career Development Awards (K01) program is to prepare qualified individuals for careers that have a significant impact on the quality, safety, efficiency, and effectiveness of health care for all Americans. This program represents the continuation of an AHRQ program that provides support and "protected time" to individuals with a research doctoral degree for an intensive, supervised research career development experience in health services research. The K01 award can be used both by individuals who propose to newly embark in health services research training and those who had a hiatus in their research careers because of illness or family circumstances. The K01 award is also available to promote research workforce diversity by providing enhanced research career development opportunities.

Amount: varies

LOI: N/A

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-087.html>

Key Words: **Health Services Research**

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### **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](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08561)

Key Words: **Statistical Surveys, Mental Health Assessment**

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### **Infrastructure Management and Extreme Events (IMEE)**

PD 08-1638

NSF

The IMEE program focuses on the impact of large-scale hazards on civil infrastructure and society and on related issues of preparedness, response, mitigation, and recovery. The program supports research to integrate multiple issues from engineering, social, behavioral, political, and economic sciences. It supports fundamental research on the interdependence of civil infrastructure and society, development of sustainable infrastructures, and civil infrastructure vulnerability and risk reduction.

Amount: unspecified

LOI: N/R

Deadline: September 1, 2009 - October 1, 2009

To learn more: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=13353&org=NSF&from=fund](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13353&org=NSF&from=fund)

Key Words: **Infrastructure, Hazard Planning, Disaster Planning**

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### **Science, Technology, and Society**

NSF 08-553

NSF

STS considers proposals that examine historical, philosophical, and sociological questions that arise in connection with science, engineering, and technology, and their respective interactions with society. [STS has four components: 1. Ethics and Values in Science, Engineering and Technology (EVS), 2. History and Philosophy of Science, Engineering and Technology (HPS), 3. Social Studies of Science, Engineering and Technology (SSS), and 4. Studies of Policy, Science, Engineering and Technology (SPS).]

**Amount:** The maximum award (indirect costs excluded) is normally \$180,000  
multiple funding levels available, including summer research programs

**LOI:** N/R

**Deadline:** February 1 annually; August 1 annually

**To learn more:** [http://www.nsf.gov/pubs/2008/nsf08553/nsf08553.htm?govDel=USNSF\\_25](http://www.nsf.gov/pubs/2008/nsf08553/nsf08553.htm?govDel=USNSF_25)

**Key Words:**

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### **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/PA-08-080.html>

**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

**To learn more:** <http://grants.nih.gov/grants/guide/pa-files/PA-08-063.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-064.html>

**Key Words:**

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### **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

**To learn more:** <http://grants.nih.gov/grants/guide/pa-files/PAR-08-075.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-08-076.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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-081.html>

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-040.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

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-021.html> and <http://grants1.nih.gov/grants/guide/pa-files/PA-07-022.html>

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-077.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-078.html>

Key Words:

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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

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

Key Words:

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### **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:

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-124.html>

Key Words:

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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

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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:

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### **NCI Transition Career Development Award to Promote Diversity (K22)**

PAR-08-047

NCI

This Funding Opportunity Announcement (FOA) represents the continuation of an NCI program to make possible the diversification of the cancer research workforce via facilitation of the transition of investigators from minority groups underrepresented in biomedical research, primarily those with clinical doctoral degrees as well as those with doctoral degrees working in the areas of cancer prevention, control, behavioral, or population science research, from the mentored stage of career development in academic cancer research to the independent stage. This goal is achieved by providing protected time through salary and research support for 3 years to: postdoctoral individuals or junior faculty in mentored positions transitioning into their first independent position; and investigators within the first 2 years of their first independent cancer research position, to initiate and develop their independently-supported cancer research programs.

Amount: 3 years of salary (up to \$75,000 per annum plus fringe benefits) and research support up to \$50,000 per annum.

LOI: N/R

Deadline: multiple, see listing

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-047.html>

Key Words:

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### **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](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501086)

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

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### **Research On Ethical Issues In Human Subjects Research (R03), (R21), and (R01)**

PA-06-367 and PA-06-368 and PA-07-277

National Institutes of Health (NIH), multiple agencies

The National Institutes of Health (NIH) invites research grant applications to investigate ethical issues in human subjects research.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-06-367.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-06-368.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-07-277.html>

Key Words: **Ethics, Human Subjects**

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

PA-06-468/PA-08-226

National Institutes of Health (NIH)

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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**

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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

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-414.html>

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

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-263.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-264.html> or <http://grants.nih.gov/grants/guide/pa-files/PA-08-265.html>

Key Words: **Drug Addiction, Treatment Plans, Drug and Alcohol Services**

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

PA-08-188 and PA-08-189

National Institutes of Health (NIH)

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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 intervention. Intervention studies should evaluate the efficacy of biomedical interventions, or of behavioral interventions that also use biological variables, in light of the sociocultural context.

Amount: \$100,000

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-188.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-189.html>

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

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### **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/PA-08-175.html>

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

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-172.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-173.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-174.html>

Key Words: **Alcoholism, Epidemiology**

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

PA-08-217 and PA-08-218 and PA-08-219

National Institute on Drug Abuse (NIDA)

The purpose of this FOA is to encourage Research Project Grant (R01) applications from institutions/organizations that propose to advance the science of drug abuse and drug-related HIV prevention through 1) the development of novel prevention approaches, 2) the testing of novel and adapted prevention intervention approaches 3) the elucidation of processes associated with the selection, adoption, adaptation, implementation, sustainability, and financing of empirically validated interventions, and 4) the development of new methodologies suitable for the design and analysis of prevention research studies. Programs of research are intended to provide pathways toward the discovery of population-level approaches for the prevention of drug abuse and dependence, drug-related problems (such as interpersonal violence, criminal involvement, and productivity loss), and drug related illness (such as comorbid drug and mental health problems or comorbid infections including HIV, hepatitis B, and hepatitis C).

Amount: varies

LOI: N/R

Deadline: Standard dates apply,

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-217.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-218.html> or <http://grants.nih.gov/grants/guide/pa-files/PA-08-219.html>

Key Words: **Drug Abuse, Drug Dependence**

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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**

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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

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Deadline: November 2, 2009

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-009.html>

Key Words: **Addiction Treatment**

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

PAS-08-186 and PAS-08-187

National Institute on Drug Abuse

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

Amount: \$2,500,000

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAS-08-186.html> and <http://grants.nih.gov/grants/guide/pa-files/PAS-08-187.html>

Key Words: **Drug Abuse, Drug Development**

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### **Science Education Drug Abuse Partnership Award – R25**

PAR-08-145

National Institute on Drug Abuse

This funding opportunity announcement (FOA) solicits Research Education (R25) grant applications to fund the development and evaluation of innovative model programs and materials for enhancing knowledge and understanding of neuroscience and the biology of drug abuse and addiction among K-12 students, the general public, health care practitioners, and other groups. The award provides support for the formation of partnerships between scientists and educators, media experts, community leaders, and other interested organizations for the development and evaluation of programs and materials that will enhance knowledge and understanding of science related to drug abuse. The intended focus is on topics not well addressed in existing efforts by educational, community, or media activities.

Amount: limited to \$250,000/year.

LOI: N/R

Deadline: Application Receipt/Submission Date(s): May 25, 2010

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-145.html>

Key Words:

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### **Senior Scientist Research and Mentorship Award (K05)**

PA-09-076

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

National Institute on Drug Abuse (NIDA)

The Senior Scientist Research and Mentorship Award (K05) is intended to provide outstanding senior scientists protected time to focus on and enhance their research and to carry out mentoring of new investigators. Candidates for the Senior Scientist Research and Mentorship Award (K05) should be recognized leaders in the alcohol, or drug abuse, or related research fields who have demonstrated a sustained, high level of productivity and a distinguished record of original contributions in their field, and whose expertise and contributions to these research fields will continue to be critical to the missions of the NIAAA or NIDA. Each candidate must demonstrate both the need for protected time to further their field of research and a commitment to serve as a mentor to new investigators or junior faculty who are currently performing or will begin to perform alcohol, or drug abuse, or related research. Mentored investigators should have an independent, full-time appointment at their institution; this can be in either non-tenure or tenure-track positions.

Amount: up to \$450,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-076.html>

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

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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)

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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

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PAS-07-324.html> and <http://grants1.nih.gov/grants/guide/pa-files/PAS-07-326.html> or <http://grants1.nih.gov/grants/guide/pa-files/PAS-07-325.html>

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

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### **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)

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-307.html> and <http://grants1.nih.gov/grants/guide/pa-files/PA-07-308.html> or <http://grants1.nih.gov/grants/guide/pa-files/PA-07-309.html>

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-097.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-096.html>

Key Words: **Alcoholism, Adolescent Behavior**

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### **Alcohol Use Disorders: Treatment, Services Research, and Recovery (R21)**

PA-08-008

National Institute on Alcohol Abuse and Alcoholism

This Funding Opportunity Announcement (FOA), issued by the National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Institutes of Health (NIH), encourages Exploratory/Developmental (R21) grant applications from institutions/organizations that utilize innovative approaches to research on: behavioral and pharmacological treatment for alcohol use disorders; organizational, financial, and management factors that facilitate or inhibit the delivery of services for alcohol use disorders; and/or on the phenomenon of recovery from alcohol use disorders. (NIH), encourages Exploratory/Developmental (R21) grant applications from institutions/organizations that utilize innovative approaches to research on: behavioral and pharmacological treatment for alcohol use disorders; organizational, financial, and management factors that facilitate or inhibit the delivery of services for alcohol use disorders; and/or on the phenomenon of recovery from alcohol use disorders.

Amount: \$275,000

LOI: N/R

Deadline: Multiple dates, see announcement, expires January 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-008.html>

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Key Words:

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

PAR-09-136

National Institute on Aging (NIA)

The purpose of this FOA, "Promoting Careers In Aging and Health Disparities Research (K01)" is to provide support and protected time to eligible individuals who have been determined by the grantee institution to be committed to a career in health disparities research related to aging and who are members of or knowledgeable about health disparity population groups. Nationally, health disparity population groups include but are not limited to African Americans, Hispanic Americans, American Indians/Alaska Natives, Native Hawaiians, Pacific Islanders, the medically underserved, low socioeconomic populations and rural populations.

Amount: \$750,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-136.html>

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

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### **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**

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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

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**

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### **Short Term Career Development Award in the Environmental Health Sciences for Established Investigators (K18)**

PAR-09-090

National Institute of Environmental Health Sciences (NIEHS)

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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/PA-09-090.html>

Key Words: **Environmental Health Sciences**

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### **NIDCR Small Research Grants for Data Analysis and Statistical Methodology (R03)**

PAR-09-182

National Institute of Dental and Craniofacial Research (NIDCR),

The goal of this funding opportunity announcement (FOA) is to support meritorious research projects that involve secondary data analyses or statistical methodology using existing dental or craniofacial database resources.

Amount: \$200,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-182.html>

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-138.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-139.html>

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

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-017.html>

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), Pulmonar**

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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)

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-164.html>

Key Words: **Biomedical, Behavioral, or Clinical Research**

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### **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**

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### **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/pa-files/PAR-09-224.html>

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-240.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-241.html>

Key Words: **Nutrition, Communication**

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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

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**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-145.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-144.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-143.html>

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

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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: <http://grants.nih.gov/grants/guide/pa-files/PA-09-160.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-161.html>

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: <http://grants.nih.gov/grants/guide/pa-files/PA-08-237.html>

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: <http://grants.nih.gov/grants/guide/pa-files/PA-09-004.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-005.html>

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

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## **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

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To learn more: <http://www.maydayfund.org/>

Key Words: **Pain, Pain Alleviation**

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### **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>

Key Words: **Air Pollution, Environmental Health Contaminants**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-207.html>

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

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-140.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-141.html>

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

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### **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

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NICHHD. 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**

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### **Research on Teen Dating Violence (R01) and (R21)**

PA-09-169 and PA-09-170

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

National Institute on Drug Abuse (NIDA)

National Institute on Alcohol and Alcohol Abuse (NIAAA)

Office for Research on Women's Health (ORWH)

This Funding Opportunity Announcement (FOA) encourages investigator-initiated research grant applications from institutions/ organizations that propose to conduct behavioral and/or biomedical research aimed at better understanding the etiologies and precursors for, reducing risk for, and incidence of, teen dating violence (TDV). Research is also sought that examines the linkages and gaps among perceptions of appropriate responses to teen dating violence from service providers, the criminal justice system, teens themselves, victims, perpetrators and bystanders.

Amount: \$2,500,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-169.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-170.html>

Key Words: **Teen Violence**

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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)

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**

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### **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: \$125,0000

LOI: N/R

Deadline: Sep 25, 2009

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PAR-07-332.html>

Key Words: **Dental Health, Dental Hygiene, Dentistry, Public Health**

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## 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**

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## 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**

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## 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

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PAR-07-018.html> and <http://grants1.nih.gov/grants/guide/pa-files/PAR-07-019.html> or <http://grants.nih.gov/grants/guide/pa-files/PAR-07-020.html>

Key Words: **Health and Safety Education**

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## 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

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To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-318.html>

Key Words: **Occupational Health**

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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&oppld=47231>

Key Words: **Occupational Health and Safety, Training**

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### **NIOSH Support for Conferences and Scientific Meetings (R13)**

PAR-08-072

Centers for Disease Control and Prevention

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

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

Amount: \$20,000

LOI: Sixty calendar days in advance of standard Application

Deadline: Standard dates apply (April 12, August 12, December 12)

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-072.html>

Key Words: **Occupational Health**

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### **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&oppld=46106>

Key Words: **Cognition, Behavioral Influences**

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### **AHRQ Health Services Research Projects (R01)**

PA-09-070

Agency for Healthcare Research and Quality (AHRQ)

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This Funding Opportunity Announcement (FOA) solicits Large Research (R01) Projects, and expresses AHRQ portfolio priority areas of interest for ongoing extramural health services research, demonstration, dissemination, and evaluation grants.

Amount: \$500,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-070.html>

Key Words: **Healthcare Delivery, Healthcare Costs, Healthcare Waste**

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### **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**

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### **AHRQ Individual Awards for Postdoctoral Fellows (F32) Ruth L. Kirschstein National Research Service Awards (NRSA)**

PA-09-229

Agency for Healthcare Research and Quality

The purpose of this individual postdoctoral research training fellowship is to provide support to promising Fellowship Applicants with the potential to become productive, independent investigators in health services research in research areas and priorities relevant to the mission of AHRQ.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-229.html>

Key Words: **Health Services Research**

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### **Researching Implementation and Change while Improving Quality (R18)**

PAR-08-136

Agency for Healthcare Research and Quality

The Agency for Healthcare Research and Quality (AHRQ) announces the Agency's interest in supporting grants to rigorously study the implementation of quality improvement strategies and provide generalizable scientific findings about the implementation of the quality improvement strategy, related organizational changes, and their impact. There is increasing evidence that success in achieving quality improvement goals is at least partially attributable to implementation processes and contexts and not just to the nature of the quality improvement strategy. The research funded through this announcement may be conducted by the team designing/implementing the quality improvement strategy or it may be conducted by a separate team. The quality improvement strategy must be one that is expected to result in major improvements in health care delivery that will enhance patient outcomes. Research design and execution will yield results providing AHRQ, providers, patients, payers, policymakers, and the public with contextual details and high level of confidence about what works and what doesn't in improving health care in the United States.

Amount: varies but will not exceed \$300,000 annually

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-136.html>

Key Words:

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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

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To learn more:

[http://www.cancer.org/docroot/RES/content/RES\\_5\\_2x\\_Mentored\\_Research\\_Scholar\\_Grant\\_in\\_Applied\\_and\\_Clinical\\_Research.asp?sitearea=RES](http://www.cancer.org/docroot/RES/content/RES_5_2x_Mentored_Research_Scholar_Grant_in_Applied_and_Clinical_Research.asp?sitearea=RES)

Key Words:

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### **Physician Training Awards in Preventive Medicine**

ACS

This award is made to support primary care physicians with a rank of instructor to assistant professor who are pursuing an academic career with an emphasis on cancer control.

Amount: \$300,000

LOI: N/R

Deadline: April 1, annually

To learn more:

[http://www.cancer.org/docroot/RES/content/RES\\_5\\_2x\\_Physician\\_Training\\_Awards\\_in\\_Preventive\\_Medicine.asp?sitearea=RES](http://www.cancer.org/docroot/RES/content/RES_5_2x_Physician_Training_Awards_in_Preventive_Medicine.asp?sitearea=RES)

Key Words:

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## **Regenerative Medicine/Transplantation**

### **Non-Human Primate Heart/Lung Transplantation Tolerance (U01, U19)**

**New**

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**

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

**New**

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**

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### **Human Pluripotent Stem Cell (hPSC) Research Using Non-Embryonic Sources (R01)**

PA-08-043 and PA-08-044

NIH

This Agency-wide Funding Opportunity Announcement (FOA) is a Program Announcement (PA) to encourage new research applications proposing research on hPSCs from non-embryonic sources. This FOA addresses Executive Order 13435 issued by President George W. Bush on June 20, 2007. The Executive Order requires that "The Secretary of Health and Human Services shall conduct and support research on the isolation, derivation, production, and testing of stem cells that are capable of producing all or almost all of the cell types of the developing body and may result in improved understanding of or treatments for diseases and other adverse health conditions, but are derived without creating a human embryo for research purposes or destroying, discarding, or subjecting to harm a human embryo.

**Amount:** \$275,000 over two years

**LOI:** N/R

**Deadline:** multiple, see link. Continuous until January 2011.

**To learn more:** <http://grants.nih.gov/grants/guide/pa-files/PA-08-043.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-044.html>

**Key Words:**

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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

**To learn more:** <http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-09-005.html>

**Key Words:** Liver Disease, Digestive Disease

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### **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

**To learn more:** <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-09-030.html>

**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 Ki

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

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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**

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### **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**

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### **Stem Cells and Cancer (R21)**

PA-08-165

National Cancer Institute

National Institute on Aging

This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), and the National Institute on Aging (NIA), encourages research in all aspects of tumor stem cell biology, including the molecular and biochemical regulation of embryonic and adult stem cell behavior relevant to tumor formation. This FOA intends to stimulate efforts on isolation and characterization of tumor stem cells from a large spectrum of tumors. In addition, more research is encouraged to understand the genetic and biochemical regulatory mechanisms that control the self-renewal phenotype, asymmetric cell division, and the stem cell microenvironment (or "niche").

Amount: \$275,000 over a 2-year period

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-165.html>

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

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### **Biomarkers for Early Detection of Hematopoietic Malignancies (R01) and (R21)**

PA-09-197 and PA-09-198

National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages research grant applications from institutions/organizations for the development and validation of biomarkers for: a) early detection, prediction of progression, and recurrence of hematopoietic malignancies, especially in high-risk individuals; and, b) for risk assessment of primary and secondary hematopoietic malignancies. This FOA is also encourages the development and improvement of specific technologies and methods for quantitative detection of novel biomarkers associated with hematopoietic malignancies.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-197.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-198.html>

Key Words: **Hematopoietic Cancers, Biomarkers**

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## 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

Deadline: September 29, 2009; 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**

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## 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**

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## Structural Biology & Proteomics

### Biosignature Discovery for Personalized Treatment in Depression (U01)

**NEW**

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

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-10-040.html>

Key Words: **Biomarkers, Major Depressive Disorder**

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### NIGMS National Centers for Systems Biology (P50)

**New**

PAR-09-258

National Institute of General Medical Sciences (NIGMS)

The National Institute of General Medical Sciences (NIGMS) 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](http://www.nigms.nih.gov).

Amount: \$10,000,000

LOI: September 28, 2009; September 28, 2010; September 28, 2011

Deadline: October 27, 2009, October 27, 2010, October 27, 2011

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To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-258.html>

Key Words: **Systems Biology**

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### **The Biology of Estrogen Receptor-Negative Breast Cancer in Various Racial and Ethnic Groups (U01)**

**New**

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**

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### **2010 ADDF/LBDA Lewy Body Dementia Biomarker Research Award**

**NEW**

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**

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### **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:

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### **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

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Deadline: November 9, 2009

To learn more: <http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppId=48292>

Key Words: **Microbes, Biogeochemical Cycling, Metaproteomics, Metatranscriptomic**

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### **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**

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### **Octapharma 25th Anniversary Grants Program**

Octapharma

The company's first ever grants program is only available to researchers based in the United States and will be administered exclusively by Octapharma USA, the Swiss company's U.S. subsidiary. The program will support clinical or pre-clinical research focusing on human protein therapies in coagulation disorders, immunology, intensive care, and emergency medicine.

Amount: unspecified

LOI: N/R

Deadline: twice yearly; April and October

To learn more: <http://www.octapharmagrants.com/>

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

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### **Physiological and Structural Systems**

PD 07-1141

NSF

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

Amount: \$140,000

LOI: N/R

Deadline: January 12; July 12; Annually

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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### **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

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use by scientists in both the public and private sector to advance the understanding of biological functions and disease mechanisms. This initiative is one of the integrated components of the NIH Molecular Libraries Roadmap initiative that offers biomedical researchers access to large-scale automated high throughput screening (HTS) centers in the MLPCN, diverse compound libraries in the Small Molecule Repository (MLSMR) and information on biological activities of small molecules in the PubChem BioAssay public database.

Amount: \$25,000

LOI: Aug. 24, 2009; Dec. 26, 2009; Apr. 26, 2010; and Aug. 24, 2010

Deadline: Sept. 24, 2009; 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**

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### **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:

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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

Deadline: multiple, see link

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-054.html>

Key Words:

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### **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](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12772)

Key Words: **Cell Biology**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-228.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-06-366.html>

Key Words: **Auditory, Development**

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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 analyses.

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**

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### **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 D

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-07-253.html>

Key Words: **Membrane Protein Structure, Crystallization, X-ray Diffraction, NMR, Mass Spectrometry**

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### **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**

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### **Centers for Membrane Protein Structure Determination (U54)**

RFA-GM-10-006

National Institute of General Medical Sciences (NIGMS)

This FOA solicits applications to establish Centers for Membrane Protein Structure Determination that will become a vital component in fulfilling the expanded goals of the NIGMS PSI: Biology network for high-throughput-enabled structural biology.

Amount: \$25,000,000

LOI: September 28, 2010

Deadline: October 28, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-10-006.html>

Key Words: **Membrane Protein Structure**

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### **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>

Key Words: **Protein Structure Determination, High-Throughput, Technology Development**

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### **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**

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### **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

To learn more: <http://www.barthsyndrome.org/english/View.asp?x=1635>

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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**

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## Therapies and Therapeutics

### **Optimization of Small Molecule Probes for the Nervous System (STTR [R41]) and (SBIR [R43])**

#### **New**

PAR-09-259 and PAR-09-260

National Institute of Neurological Disorders and Stroke (NINDS)

National Eye Institute (NEI)

National Institute on Aging (NIA)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

National Institute on Drug Abuse (NIDA)

This Funding Opportunity Announcement (FOA) encourages Small Business Technology Transfer (STTR) grant applications from small business concerns (SBCs) that propose to develop new small molecule probes for investigating biological function in the nervous system via the application of advanced medicinal chemistry and the biological testing of compounds. Eligible SBCs will have identified probe candidates via screening of small molecule collections, using in vitro assays of biological activity developed to interrogate these collections, and be able to show that the structural features of these small molecules are related to their biological activity. Applications should nominate small molecule probe candidates from distinct structural series for the further, iterative design and testing of analogues in structure-activity relationship studies, using in vitro assays of biological function adapted to the medium throughput screening requirements of this work. These studies should have the goal of developing a small molecule probe possessing the attributes (eg: affinity, selectivity, activity) required for its use in future pharmacological studies proposed by the SBC. Applicants are strongly encouraged to utilize publicly available cheminformatic capabilities for the acquisition of compounds, and semi-custom synthesis of analogues, which is required of these studies.

Amount: \$300,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-259.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-09-260.html>

Key Words: **Small Molecule Probes**

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### **Design, Synthesis, and Preclinical Testing of Potential Treatment Agents for Drug Addiction (R01)**

PAS-08-041

NIH

The National Institute on Drug Abuse (NIDA) invites research applications aimed at design, synthesis, and preclinical testing of potential treatment agents for drug addiction and/or relapse prevention. Recent advances in molecular neurobiological mechanisms underlying drug addiction provide a basis for development of new therapeutic targets and chemical entities to treat and prevent relapses of drug addiction.

Amount: \$150,0000

LOI: N/R

Deadline: multiple, see link; continuous

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAS-08-041.html>

Key Words:

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

PA-08-071

NIH

The NIH Blueprint for Neuroscience Research is a framework to enhance cooperative activities among the NIH Office of the Director and 15 NIH Institutes and Centers that support research on the nervous system. This Funding Opportunity Announcement (FOA) is released in affiliation with the Neuroscience Blueprint, with Institutes and Centers participating independently, and with participation by Institutes and Centers that are not part of the Blueprint. This FOA encourages the translation of technologies for brain or behavioral research from academic and other non-small business research sectors to the marketplace. Solicited from Small Business Concerns

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(SBCs) are Small Business Innovation Research (SBIR) grant applications that propose to further develop, make more robust, and make more user-friendly such technologies in preparation for commercial dissemination. It is expected that this activity will require partnerships and close collaboration between the original developers of these technologies and SBCs, which may be accomplished in any of a number of ways, including the use of multiple principle investigators.

Amount: varies

LOI: N/R

Deadline: continuous, see listing

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-071.html>

Key Words:

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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: \$400,0000

LOI: N/R

Deadline: multiple, see link

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAS-08-061.html>

Key Words:

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-161.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-162.html>

Key Words:

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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

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LOI: September 1, 2009, October 1, 2009, January 4, 2010, February 1, 2010, September 1, 2010, October 1, 2010, January 3, 2011, February 1, 2011, September 1, 2011 and October 3, 2011. (Note: The October and February letters of receipt dates are for amended a Deadline: October 1, 2009, November 2, 2009, February 1, 2010, March 1, 2010, October 1, 2010, November 1, 2010, February 1, 2011, March 1, 2011, October 1, 2011 and November 1, 2011. (Note: The November and March receipt dates are for amended applications only).

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-266.html>

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

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### **NINDS Cooperative Program in Translational Research – Single-Component Research Projects (U01)**

PAR-08-233

National Institute of Neurological Disorders and Stroke (NINDS)

The goal of this funding opportunity announcement (FOA) is to support pre-clinical development and testing of new therapies for neurological disorders. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program supports pre-clinical optimization and testing of these leads and projects must be sufficiently advanced that an IND or IDE application to the FDA can be submitted by the end of the project period. The program does not support early-stage therapeutic discovery activities such as high throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NINDS staff in the development of the project plan and monitoring of research progress

Amount: varies

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-233.html>

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

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### **NINDS Cooperative Program in Translational Research - Multi-Component Research Projects (U54)**

PAR-08-234

National Institute of Neurological Disorders and Stroke (NINDS)

The goal of this Funding Opportunity Announcement (FOA) is to support preclinical development and testing of new therapies for neurological disorders. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program does not support early-stage therapeutic discovery activities such as high-throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NINDS staff in the development of the project plan and monitoring of research progress.

Amount: varies

LOI: N/R

Deadline: standard dates apply (January 25, May 25, and September 25. AIDS application submission dates are May 7, September 7, and January 7)

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-234.html>

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

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### **NINDS Cooperative Program in Translational Research - Resource Centers (U24)**

PAR-08-236

National Institute of Neurological Disorders and Stroke (NINDS)

The goal of this Funding Opportunity Announcement (FOA) is to implement a program of cooperative agreements that will support milestone-driven, resource-related projects focused on providing products and services that are required for the preclinical testing of new therapeutics, and that are specific to neurology.

Amount:

LOI: N/R

Deadline: standard dates apply (May 25, and September 25. AIDS application submission dates are May 7, September 7, and January 7)

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-236.html>

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

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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)



#### 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**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-173.html>

Key Words: **Health Risk Behavior, Mental Health Treatment**

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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>

Key Words: **Biomarkers, Translational Research, Therapies**

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#### Partnerships for Biodefense Food- and Water-borne Diseases (R01)

RFA-AI-09-027

National Institute of Allergy and Infectious Diseases (NIAID)

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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**

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### **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**

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### **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**

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### **National Cancer Institute Program Project (P01) Applications**

PAR-09-025

National Cancer Institute (NCI)

With this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI) invites applications for investigator-initiated program project (P01) grants. Proposed program projects may address any of the broad areas of cancer research, including (but not limited to) cancer biology, cancer treatment, cancer diagnosis, cancer prevention, and cancer control. Basic, translational, clinical, and/or population-based studies in all of these research areas are appropriate. Each Program Project application must consist of at least three component projects. The component projects must share a common central theme, focus, and/or overall objective.

Amount: varies

LOI: 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**

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

PA-08-143 and PA-08-144

National Cancer Institute

This funding opportunity announcement (FOA) encourages Research Project Grant (R01) applications that propose to develop and validate new mitochondrial-related biomarkers for cancer early detection, diagnosis, prognosis, risk assessment, and response to preventive and ameliorative treatments.

Amount: varies

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-143.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-144.html>

Key Words:

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## **Medical Rehabilitation Research Resource (R24)**

RFA-HD-09-013

Eunice Kennedy Shriver National Institute of Child Health and Human Development

National Institute of Biomedical Imaging and Bioengineering (NIBIB)

National Institute of Neurological Disorders and Stroke (NINDS)

This Funding Opportunity Announcement (FOA), issued by NICHD, NINDS, and NIBIB, National Institutes of Health, solicits grant applications from institutions/organizations that propose to build research infrastructure for medical rehabilitation. The aim of this FOA is to create a national network of research cores that provide access to collateral expertise in biomedical, behavioral, and/or psychosocial fields that are particularly relevant to medical rehabilitation research. Applicants should propose a program of research resources and collaborative opportunities in a specific content area. This may be accomplished through a combination of didactic interactions (workshops, courses, written material, and websites), consultations, and pilot funding. In addition, the research core may support intramural activities related to technique development, adaptation, and validation. Although examples of relevant expertise and content are provided below, additional areas may be proposed provided they have potential for promoting medical rehabilitation research and improving outcomes for people with disabilities.

Amount: \$3,500,000

LOI: September 2, 2009

Deadline: October 1, 2009

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-09-013.html>

Key Words: **Medical Rehabilitation**

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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**

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## **Training and Fellowships**

## Postdoctoral Fellowship Program in Eating Disorders Research

**NEW**

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**

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

**New**

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**

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

**NEW**

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**

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## Robert Wood Johnson Foundation Health & Society Scholars Program

**New**

Robert Wood Johnson Foundation

The Health & Society Scholars program provides two years of support to postdoctoral scholars at all stages of their careers to build the nation's capacity for research and leadership that addresses the multiple determinants of population health and contribute to policy change.

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The program is based on the principle that progress in the field of population health depends upon multidisciplinary collaboration and exchange. Its goal is to improve health by training scholars to investigate the connections among biological, genetic, behavioral, environmental, economic, and social determinants of health; and to develop, evaluate, and disseminate knowledge and interventions that integrate and act on these determinants to improve health. The program is intended to produce leaders who will change the questions asked, the methods employed to analyze problems, and the range of solutions designed to reduce population health disparities and improve the health of all Americans.

Amount: \$181,000

LOI: N/R

Deadline: October 2, 2009

To learn more: [http://foundationcenter.org/pnd/rfp/rfp\\_item.jhtml?id=263300028](http://foundationcenter.org/pnd/rfp/rfp_item.jhtml?id=263300028)

Key Words: **Population Health, Public Policy, Ethics**

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## Nebraska EPSCoR First Awards

**NEW**

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**

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## National Science Foundation East Asia And Pacific Summer Institutes Application (EAPSI)

**NEW**

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.nsf.si.org/>

Key Words: **China, Graduate Students**

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

**New**

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

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To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-09-146.html>

Key Words: **Training Grants**

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### **NIDCR Dentist Scientist Pathway to Independence Award (K99/R00)**

**New**

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**

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### **National Cancer Institute (NCI) Cancer Education and Career Development Program (R25)**

**New**

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-06-511.html>

Key Words: **Cancer, Nutrition, Imaging, Molecular Diagnosis**

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### **The 2010 AFAR Research Grants**

**New**

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**

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### **NICHD's Institutional Predoctoral and Postdoctoral Training Program in Reproductive, Obstetric, Perinatal and Pediatric Epidemiology and Pharmacoepidemiology (T32)**

PAR-08-271

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

This FOA issued by The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institutes of Health, solicits grant applications from institutions/ organizations for the NICHD Institutional Predoctoral and Postdoctoral Training Program in Reproductive, Obstetric, Perinatal and Pediatric Epidemiology and Pharmacoepidemiology. This program supports broad and fundamental, early stage graduate research training and postdoctoral training in reproductive, obstetric, perinatal, and pediatric epidemiology as well as pharmacoepidemiology via institutional training grants. The primary objective is to prepare qualified

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individuals for careers in pharmacoepidemiology and epidemiology that have a significant impact on the health-related research needs of the Nation.

Amount: \$2,000,000

LOI: April 25, 2010 and 2011

Deadline: May 25, 2010, and May 25, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-271.html>

Key Words: **Reproductive, Obstetric, Perinatal and Pediatric Epidemiology and Pharmacoepidemiology**

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### **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/PA-09-087.html>

Key Words: **Health Services Research**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-210.html>

Key Words: **Fellowships, Post-doc**

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### **Ruth L. Kirschstein National Research Service Awards (NRSA) for Individual Senior Fellows (F33)**

PA-09-211

NIH multiple agencies

The National Institutes of Health (NIH) awards individual senior level research training fellowships to experienced scientists who wish to make major changes in the direction of their research careers or who wish to broaden their scientific background by acquiring new research capabilities as independent investigators in research fields relevant to the missions of participating NIH Institutes and Centers.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-211.html>

Key Words: **Fellowships, Senior Fellows**

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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.

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-297.html>

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-054.html>

Key Words:

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### **NCI Transition Career Development Award to Promote Diversity (K22)**

PAR-08-047

NCI

This Funding Opportunity Announcement (FOA) represents the continuation of an NCI program to make possible the diversification of the cancer research workforce via facilitation of the transition of investigators from minority groups underrepresented in biomedical research, primarily those with clinical doctoral degrees as well as those with doctoral degrees working in the areas of cancer prevention, control, behavioral, or population science research, from the mentored stage of career development in academic cancer research to the independent stage. This goal is achieved by providing protected time through salary and research support for 3 years to: postdoctoral individuals or junior faculty in mentored positions transitioning into their first independent position; and investigators within the first 2 years of their first independent cancer research position, to initiate and develop their independently-supported cancer research programs.

Amount: 3 years of salary (up to \$75,000 per annum plus fringe benefits) and research support up to \$50,000 per annum.

LOI: N/R

Deadline: multiple, see listing

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-047.html>

Key Words:

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### **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

To learn more: [http://www.nsf.gov/pubs/2009/nsf09603/nsf09603.htm?govDel=USNSF\\_25](http://www.nsf.gov/pubs/2009/nsf09603/nsf09603.htm?govDel=USNSF_25)

Key Words: **Graduate Fellowships**

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### **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-

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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

To learn more: [http://www.nsf.gov/pubs/2009/nsf09598/nsf09598.htm?govDel=USNSF\\_25](http://www.nsf.gov/pubs/2009/nsf09598/nsf09598.htm?govDel=USNSF_25)

Key Words: **Undergraduate Fellowships**

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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

To learn more: [http://www.nsf.gov/pubs/2008/nsf08564/nsf08564.htm?govDel=USNSF\\_25](http://www.nsf.gov/pubs/2008/nsf08564/nsf08564.htm?govDel=USNSF_25)

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

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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.

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-029.html>

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

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

PA-06-468/PA-08-226

National Institutes of Health (NIH)

The objective of the National Research Service Award (NRSA) program is to provide predoctoral and postdoctoral research training opportunities for individuals interested in pursuing research careers in biomedical, behavioral and clinical research. Each NIH Institute and Center has a unique scientific purview and different program goals and initiatives that evolve over time. It is therefore critical that all applicants consult with the scientific/research contact at the relevant NIH Institute or Center for current information about program priorities and policies before preparing an application. This action is of utmost importance because applications with marginal or no relevance to the NIH awarding components participating in this funding opportunity announcement will not be accepted for review or considered for funding.

Amount: varies

LOI: N/R

Deadline: Jan 25 annually; May 25 annually

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**

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### **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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-05-151.html>

Key Words: **MD/PhD**

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### **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**

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### **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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-05-091.html>

Key Words: **Nursing, Post Doctoral Training, Research Training**

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### **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**

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## **Ruth L. Kirschstein National Research Service Awards for Individual, Minority, and MD/PhD Predoctoral Fellows (F31) and (F30)**

PA-09-208 and PA-09-209 and PA-05-151

National Institute on Aging (NIA)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

National Institute on Deafness and Other Communication Disorders (NIDCD)

National Institute of Dental and Craniofacial Research (NIDCR)

National Institute on Drug

The purpose of this individual predoctoral research training fellowship is to provide support for promising doctoral candidates who will be performing dissertation research and training in scientific health-related fields relevant to the missions of the participating NIH Institutes and Centers (ICs) during the tenure of the award.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-208.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-209.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-05-151.html>

Key Words: **Health Science Fellowships, Diversity and Minority Fellowships**

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## **Aging Research Dissertation Awards to Increase Diversity (R36)**

PAR-08-250

National Institute on Aging (NIA)

The National Institute on Aging (NIA) announces the reissuance of a Funding Opportunity Announcement (FOA) that provides dissertation awards (R36) in all areas of research within NIA's mandate to increase diversity of the research workforce on research on aging and aging-related health conditions. These awards are available to qualified Predoctoral students in accredited research doctoral programs in the United States (including Puerto Rico and other U.S. territories or possessions).

Amount: \$250,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-250.html>

Key Words: **Geriatrics, Gerontology**

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## **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**

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## **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**

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### **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

**To learn more:** <http://grants.nih.gov/grants/guide/pa-files/PAR-08-148.html>

**Key Words:**

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### **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

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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

**To learn more:** <http://grants.nih.gov/grants/guide/pa-files/PAR-09-065.html>

**Key Words:** Neurology, Neurological Research

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### **Mental Health Dissertation Research Grant to Increase Diversity (R36)**

PAR-09-132

National Institute of Mental Health (NIMH)

The purpose of this funding opportunity is to increase the diversity of the mental health research workforce. It will enable qualified doctoral candidates to pursue research careers in any area relevant to the research mission of the National Institute of Mental Health (NIMH). These awards are available to US citizens or permanent residents who are predoctoral students advanced to candidacy in accredited research doctoral programs in the United States (including Puerto Rico and other U.S. territories or possessions).

**Amount:** see program announcement

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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)

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-132.html>

Key Words: **Doctoral Training Support, Mental Health Professions**

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### **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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-118.html>

Key Words: **Minority, Training Grants**

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### **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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-07-432.html>

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**

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### **Short Term Career Development Award in the Environmental Health Sciences for Established Investigators (K18)**

PAR-09-090

National Institute of Environmental Health Sciences (NIEHS)

The purpose of these short term career development awards is to allow established, well funded clinician investigators to expand research programs to answer questions relevant to the environmental health sciences, and to provide established environmental health sciences research investigators the tools to expand their efforts to translational research.

Amount: varies

LOI: N/A

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-090.html>

Key Words: **Environmental Health Sciences**

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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

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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**

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

PAR-08-119

National Institute of Dental and Craniofacial Research (NIDCR)

The National Institute of Dental and Craniofacial Research (NIDCR) seeks new Ruth L. Kirschstein National Research Service Award (NRSA) applications for an Individual Predoctoral Dental Scientist Fellowship (PDSF). The purpose of the PDSF is to offer an integrated dental and graduate research training program that leads to attainment of both the DDS/DMD and PhD (or equivalent) degrees.

Amount: \$50,000/year

LOI: N/R

Deadline: Standard NRSA receipt dates of April 8, August 8 and December 8

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-119.html>

Key Words: **Dentistry, Dental Training, Dental Fellowships**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-068.html>

Key Words: **Allergy, Infectious Disease**

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### **NHLBI Career Transition Award (K22)**

PAR-09-102

National Heart, Lung, and Blood Institute (NHLBI)

The purpose of the NHLBI Career Transition Award (K22) program is to provide highly qualified postdoctoral fellows with an opportunity to receive mentored research experience in the NHLBI Division of Intramural Research and then to provide them with bridge funding to facilitate the transition of their research programs as new investigators at extramural institutions. To achieve these objectives, the NHLBI Career Transition Award will support two phases of research: an intramural phase (two years) and an extramural phase (three years), for a total of five years of combined support. Transition from the intramural phase of support to the extramural phase is not automatic. Approval of the transition will be based on the success of the awardees research program as determined by an NHLBI progress review, which will include an evaluation of a research plan to be carried out at the extramural institution.

Amount: \$747,000 extramural

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-102.html>

Key Words: **Cardiovascular Fellowships, Post-Doctoral Training**

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

PA-09-232

National Heart, Lung and Blood Institute (NHLBI)

The National Heart, Lung, and Blood Institute (NHLBI) is interested in supporting individual predoctoral fellowships for combined MD/PhD training in research areas relevant to the mission of the NHLBI. The NHLBI mission is to provide leadership for national programs in diseases of the heart, blood vessels, lung, and blood; blood resources; and sleep disorders.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-232.html>

Key Words: **MD/PhD Fellowships**

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### **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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-07-003.html>

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-072.html>

Key Words: **CAM**

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-06-449.html>

Key Words: **Cancer, Clinicians**

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### **NCI Transition Career Development Award to Promote Diversity (K22)**

PAR-09-069

National Cancer Institute (NCI)

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

Amount: \$450,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-069.html>

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

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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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-088.html>

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

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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/>

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-151.html>

Key Words:

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

PAR-08-154

Fogarty International Center (FIC)

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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**

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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**

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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/>

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&oppld=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

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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**

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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 MedicineAHRQ**

### 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**

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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:

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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

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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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This publication is available on-line at

<http://www.unmc.edu/vcr/fundingopportunities.htm>

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