



Newsletter

funding opportunities for research



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

NOTICES

Long Range BAA for Navy & Marine Corps Science & Technology Amendment 0002

New

BAA-10-001

Office of Naval Research (ONR)

The purpose of this amendment is to replace BAA 10-001 with the revision dated 30 Mar 2010, as well as provide an updated version of the proposal checklist.

Recent changes to the Standard Form 424 R&R and ONR's web-site, as well as approval of the FY 2010 Appropriations bill have required changes to the BAA. To make it easier for interested parties to follow the instructions set forth in the document, a fully revised version of the BAA is being posted.

Amount:

LOI:

Deadline: Released March 30, 2010

To learn more: <http://onrhgexsrvr10.onr.navy.mil/~media/Files/Funding-Announcements/BAA/10-001-Amendment-0002.ashx>

Key Words: **modifications**

Small Business Innovation Research (SBIR) Award Levels Adjusted to \$150,000 (Phase I) and \$1,000,000 (Phase II)

New

NOT-OD-10-079

National Institutes of Health (NIH)

The purpose of this Notice is to inform the small business research community of a change in the Phase I and Phase II award amounts under the Small Business Innovation Research (SBIR) program.

On March 30, 2010, the Small Business Administration (SBA) issued in the Federal Register a final amendment to the Small Business Innovation Research (SBIR) Program Policy Directive. This Amendment adjusts SBIR Phase I award levels from \$100,000 to \$150,000, and Phase II award levels from \$750,000 to \$1,000,000. The amendment also continues to provide participating agencies with an appropriate degree of flexibility in award size.

Amount:

LOI:

Deadline: Released April 1, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-10-079.html>

Key Words:

Department of Defense Autism Research Program

U.S. Army Medical Research

The FY09 ARP encourages proposals that specifically address critical needs of the Autism Spectrum Disorders (ASD) community in the following areas (Revised for FY09):

- Co-morbidity: (e.g., manifestations such as disorders [gastrointestinal, sleep, behavioral, speech/language], psychiatric, seizures, immune dysfunction, motor and sensory deficits, metabolic dysfunction, and effects of ASD on intellectual ability)
- Predictors for Treatment Outcomes: Identification of biomarkers, clinical characteristics, or other phenotypic markers that predict outcomes of a treatment, or populations that will or will not respond to a treatment (traditional or complementary and alternative)

FY09 ARP program announcements and application instructions for the following award mechanisms are anticipated to be posted and available on Grants.gov in February 2009.

Amount: \$750,000

LOI: pre-application required

Deadline: posting early February

To learn more: <http://cdmnp.army.mil>

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

Modification to RFA-RM-09-019: Institutional Clinical and Translational Science Award (U54)

NOT-RM-10-006

NIH Roadmap Initiatives

The purpose of this Notice is to modify the language of RFA-RM-09-019 with regard to Section IV. Application and Submission Information: Part 2. Content and Form of Application Submission; Format of the Application; Item F. Institutional Clinical and Translational Science Award Program, and to correct the total number of pages in the Executive Summary: Application Research Plan Component and Length.

Amount:

LOI:

Deadline: Release Date: March 19, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-RM-10-006.html>

Key Words: **CTSA, Clinical and Translational**

Recovery Act: Notice on the Proper Management of Recovery Act Spending to Promote Job Creation and Increase the Pace of Scientific Research; and Policy Limiting Second No-Cost Extensions to Recovery Act Grants

NOT-OD-10-067

National Institutes of Health (NIH)

American Reinvestment and Recovery Act of 2009 (ARRA)

The purposes of this Guide Notice are to: 1) reaffirm to NIH grantees that the primary goals of all NIH Recovery Act awards are to create U.S. jobs and increase the tempo of biomedical research; 2) remind Project Directors/Principal Investigators (PD/PIs) and grantee institutions that NIH fully expects Recovery Act grantees to expend funds in a timely and expeditious manner in accordance with the expected pace of research; 3) remind grantees that all Recovery Act expenditures remain subject to terms and conditions on the Notice of Award, including the NIH-HHS Standard Terms and Conditions for ARRA Awards (<http://grants.nih.gov/grants/guide/notice-files/NOT-OD-09-120.html>) and all referenced regulations and OMB Circulars; and 4) notify grantees that NIH expects all grant activities are to be completed consistent with the schedule of the approved project period. While the NIH Terms of Award provide for extending the final budget period of a project period for up to twelve months to allow for completion of the planned project; prior approval requests for additional extensions will only be considered in very limited circumstances.

Amount:

LOI:

Deadline: Release Date: March 17, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-10-067.html>

Key Words: **ARRA, Reporting, Regulations**

Recovery Act: Reminders on Annual Reporting Requirements and Notice of Revised Financial Closeout Requirements for ARRA-funded Administrative Supplements and Competitive Revisions

NOT-OD-10-066

National Institutes of Health (NIH)

American Reinvestment and Recovery Act of 2009 (ARRA)

The purposes of this Guide Notice are to: 1) remind NIH grantees that information on ARRA-funded Administrative Supplements and Competitive Revisions must be included in the annual progress report of the parent grant; 2) remind grantees on the special reporting requirements for administrative supplements providing summer experiences for students and science educators; and 3) inform grantees of revised financial closeout requirements when multiple ARRA-funded Administrative Supplements and/or Competitive Revisions are awarded to the same parent award.

Amount:

LOI:

Deadline: Release Date: March 17, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-10-066.html>

Key Words: **ARRA, Reporting, Regulations**

Recovery Act: Update on ARRA Quarterly Reporting Requirements for Non-Competing Continuation Awards and Relinquished Projects; and Guidance to Avoid Common Errors

NOT-OD-10-065

National Institutes of Health (NIH)

American Reinvestment and Recovery Act of 2009 (ARRA)

The purposes of this Guide Notice are to: 1) provide ARRA quarterly reporting guidance for NIH non-competing continuation awards; 2) provide guidance on reporting requirements for relinquished/transferred ARRA grants; and 3) help grantees avoid some common errors identified in previous reporting periods.

To increase transparency for the public on how ARRA funds are used, NIH and its grantees are required to separately award, track, monitor, account for, report on, audit and close out ARRA funding. All awards funded by ARRA require quarterly reporting through www.FederalReporting.gov in accordance with Section 1512 of the Act. This is in addition to the annual scientific progress reports submitted on the PHS 2590 and required financial reports submitted for most NIH grants. More information on the ARRA quarterly reporting requirements, including the NIH Data Dictionary and NIH Readiness Tool, can be found on the NIH Recovery Act Recipient Reporting web page available at http://grants.nih.gov/recovery/recipient_reporting.html.

Amount:

LOI:

Deadline: Release Date; March 19, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-10-065.html>

Key Words: **ARRA, Compliance, Regulations**

Instructions for Completion and Peer Review of the Vertebrate Animal Section (VAS) in NIH Grant Applications and Cooperative Agreements

NOT-OD-10-027

National Institutes of Health (NIH)

This Notice is to clarify the information that must be included in the Vertebrate Animal Section (VAS) of grant applications and cooperative agreements (subsequently referred to as applications) that use live vertebrate animals in research. It also explains how the VAS is evaluated as part of the NIH peer review process and is considered as part of the overall scoring. Distinction is made between the oversight role of the Institutional Animal Care and Use Committee (IACUC) and review responsibility of the NIH Scientific Review Group (SRG).

Amount:

LOI:

Deadline: Release Date March 17, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-10-027.html>

Key Words: **IACUC, Animal Use**

Notice of Termination of Selected Research Training and Research Career Development Award Funding Opportunity Announcements

NOT-OD-10-069

National Institutes of Health (NIH)

This notice terminates the Institutional Research Training and Institutional Research Career Development Programs listed below because they provide application instructions for paper submissions using the PHS 398 forms. (For due dates on or after January 25, 2010, all applications submitted for Institutional Research Training and Career Development Programs must be submitted electronically through Grants.gov using the SF 424 (R&R) forms; NOT-OD-10-008).

The Funding Opportunity Announcements will be reissued with updated application instructions.

PAR-06-449

Paul Calabresi Career Development Award For Clinical Oncology (K12)

PAR-08-197

Neurological Sciences Academic Development Award (NSADA) (K12)

PAR-09-083

The NEI Mentored Clinical Scientist Development Program Award (K12)

PAR-08-054

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Predoctoral Training Program in Systems Biology of Developmental Biology & Birth Defects(T32)

PAR-08-271

NICHDS Institutional Predoctoral and Postdoctoral Training Program in Reproductive, Obstetric, Perinatal and Pediatric Epidemiology and Pharmacoepidemiology (T32)

PAR-09-049

Postdoctoral Research Training for Obstetricians and Gynecologists (T32)

PAR-08-118

Minority Access to Research Careers (MARC) Ancillary Training Activities (T36)

PAR-08-200

Planning Grants for International Malaria Clinical, Operational and Health Services Research Training Programs (D71)

PAR-08-154

Global Infectious Disease Research Training Program Award (D43)

PAR-08-175

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

Amount:

LOI:

Deadline: Release Date: March 23, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-10-069.html>

Key Words: **Training or Career Grants**

HIV/AIDS Funds for Competitive Revision Applications (R01, R03, R15, R21, R21/R33, R37) for HIV/AIDS-related Research through the NIH Basic Behavioral and Social Science Opportunity Network

NOT-OD-10-036

National Institutes of Health (NIH)

The National Institutes of Health (NIH) announces the opportunity for investigators and institutions/organizations with relevant active NIH-supported research project grants (R01, R03, R15, R21, R21/33, and R37) to submit competitive revision applications (formerly termed competitive supplements) to accelerate, expand, and/or strengthen basic behavioral and social sciences research (b-BSSR) relevant to HIV/AIDS risk, prevention, disease progression, and treatment. Competitive revision applications should support a significant expansion of the scope or research protocol approved and funded for the "parent" award on which the revision application is based.

Amount: \$150,000

LOI: April 7, 2010

Deadline: May 7, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-10-036.html>

Key Words: **Behavioral and Social Processes; Interactions between Biology, Behavior, and Social Processes; Methodology and Measurement in the Behavioral and Social Sciences**

NINDS Administrative Supplements for Collaborative Activities to Promote Translational Research (CAPTR)

NOT-NS-10-008

National Institute of Neurological Disorders and Stroke (NINDS)

The National Institute of Neurological Disorders and Stroke (NINDS) announces the availability of one-year administrative supplements for NINDS-funded grantees to stimulate new interdisciplinary collaborations in translational research. The proposed studies must be within the scope of the peer-reviewed activities specified within the NINDS parent award and collaborators may not have a significant history of joint interactions.

Amount: \$50,000

LOI: Before submitting an application for a collaborative administrative supplement, all grantees should communicate with their Program Director(s) to discuss the planned application.

Deadline: April 26, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-NS-10-008.html>

Key Words: **Neurological Disorders**

Notice of Intent to Publish Funding Opportunity Announcements for Countermeasures Against Chemical Threats (CounterACT) Cooperative Research Projects (U01) and Research Centers of Excellence (U54)

NOT-NS-10-011

National Institute of Neurological Disorders and Stroke (NINDS)

The National Institute of Neurological Disorders and Stroke (NINDS) intends to issue two Funding Opportunity Announcements (FOAs) in the spring of 2010: "Countermeasures Against Chemical Threats (CounterACT) Research Centers of Excellence (U54)" and "Countermeasures Against Chemical Threats (CounterACT) Cooperative Research Projects (U01)". The goal of both initiatives is to provide support for translational research to develop therapeutics for reducing mortality and morbidity caused by acute exposures to chemical threat agents. Chemical threats are toxic chemicals that could be used in a terrorist attack or accidentally released from industrial production, storage or shipping. The scope of the research supported within this milestone-driven translational program includes target and candidate identification and characterization, through candidate optimization and demonstration of in vivo efficacy, through Investigational New Drug (IND) submission and clinical trials when appropriate. See www.ninds.nih.gov/counteract for a description of the CounterACT program.

The CounterACT research program will utilize Research Centers of Excellence (U54) and Cooperative Research Projects (U01) to support up to 5 years of translational research. Chemical threats to be covered include pulmonary agents (e.g. chlorine, phosgene), toxic industrial chemicals (e.g. cyanide, pesticides), chemical nerve agents (e.g. sarin, VX), and others. The NIH intends to commit approximately \$12 million per year in Fiscal Years 2011, 2012, and 2013 to fund new and/or competing renewal U01 and U54 awards. Because the nature and scope of the proposed research will vary from application to application, it is anticipated that the size and duration of each award will also vary. The total amount awarded and the number of awards will depend on the number, quality, duration, and costs of the applications received. It is anticipated that several other NIH Institutes, including the National Eye Institute (NEI), National Institute of Allergy and Infectious Diseases (NIAID), National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institute of Environmental Health Sciences (NIEHS), and the National Institute of General Medical Sciences (NIGMS), may also participate in this funding opportunity announcement.

Amount:

LOI:

Deadline: Released March 5, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-NS-10-011.html>

Key Words: **Chemical Agent Threat**

NINDS Announces Availability of Funds for Competitive Revision Applications for Grand Challenge on Optimal Cortical Control of DARPA Revolutionizing Upper-Limb Prosthetics (R01 and R37)

NOT-NS-10-013

National Institute of Neurological Disorders and Stroke (NINDS)

The purpose of this notice is to encourage requests for competitive revisions to research projects currently funded by NIH R01 and R37 grant mechanisms, appropriate for support on research and development for a Grand Challenge on achieving optimal electrocorticography (ECoG) based cortical control of the Revolutionizing Upper-limb Prosthetics 2009 developed by the U.S. Defense Advanced Research Projects Agency (DARPA). The Grand Challenge will be to achieve reaching and grasping of objects by the DARPA Arms in a subject's natural work space, by obtaining maximum cortical control that can be realized on the highly anthropomorphic prosthetic arm and hand.

Amount:

LOI:

Deadline: Release Date March 12, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-NS-10-013.html>

Key Words: **Prosthetics, Movement**

Notice of Availability of Administrative Supplements for Roadmap Assay Development for HTS Awards (National Institute for Neurological Disorders & Stroke)

NOT-NS-10-012

National Institute of Neurological Disorders and Stroke (NINDS)

For 2010, administrative supplements will be provided to NINDS-relevant projects funded in the Roadmap Molecular Libraries Assay Development for HTS Program. Investigators successfully submitting new, HTS-ready projects from this Program to the MLPCN, via the "Fast Track direct entry" process described in the RM-08-024 announcement (<http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-08-024.html>), can request a supplement of up to \$50,000 (total cost) from NINDS.

Amount:

LOI:

Deadline: Released March 3, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-NS-10-012.html>

Key Words: **High Throughput Screening, Small Molecule Structures, Public Databases, Molecular Libraries Probe Production Centers Network**

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: 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**

Deletion of Letters of Intent Information for Home and Family Based Approaches for the Prevention or Management of Overweight or Obesity in Early Childhood Program Announcements (PA-10-127 and PA-10-128)

NOT-DK-10-002

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

This Notice is to inform the scientific community that the NIDDK is amending PA-10-127: Home and Family Based Approaches for the Prevention or Management of Overweight or Obesity in Early Childhood (R01) and PA-10-128: Home and Family Based Approaches for the Prevention or Management of Overweight or Obesity in Early Childhood (R21) to reflect that Letters of Intent (LOIs) are not required for and are not applicable to these funding opportunity announcements (FOAs).

Amount:

LOI:

Deadline: Release Date: March 16, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-DK-10-002.html>

Key Words: **Obesity, Children**

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

NOT-AI-10-012

National Institute of Allergy and Infectious Diseases (NIAID)

The purpose of this Notice is to announce two changes in PAR-08-206 entitled "Investigations on Primary Immunodeficiency Diseases (R01)" <http://grants.nih.gov/grants/guide/pa-files/PAR-08-206.html>:

NIAID is now allowing renewals and resubmissions to this FOA. If a "resubmission" application is submitted, a one-page "Introduction" is required addressing the previous peer review critique.

A new IC contact is being identified.

New contact information:

David R. Johnson, Ph.D.

Division of Allergy, Immunology and Transplantation

National Institute of Allergy and Infectious Diseases

Room 6714-B, MSC-6601

6610 Rockledge Drive

Bethesda, MD 20892-6601

Telephone: (301) 496-7104

Fax: (301)-480-1450

Email: : drjohnson@niaid.nih.gov

All other aspects of this FOA remain unchanged.

Amount:

LOI:

Deadline: Release Date March 11, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-AI-10-012.html>

Key Words: **Immunodeficiency Diseases**

Notice of Intent to Publish a Request for Applications on New Strategies for Growing 3D Tissues (R01/R21)

NOT-HL-11-105

National Heart, Lung, and Blood Institute (NHLBI)

The National Heart, Lung, and Blood Institute (NHLBI) intends to promote a new initiative by publishing a Request for Applications (RFA) to solicit applications to improve our understanding of how cells respond to their environment and develop accurate assays and methods to understand how angiogenesis and organogenesis may instruct the creation of 3D engineered cellular aggregates. This program is expected to develop new technologies by tissue engineers who effectively collaborate with scientists with relevant expertise in developmental and cell biology, systems biology, chemistry, physics and organ physiology. The overall purpose of this program is to support highly integrated multidisciplinary scientific teams to advance the field beyond the more basic levels of structural and functional complexity and learn how to use the signals and microenvironments which direct normal angiogenesis and organogenesis in developing vertebrates. These advances will be aimed towards addressing our knowledge gaps in tissue repair and regeneration. Institutes expected to participate in the RFA include the NHLBI, the National Institute of Biomedical Imaging and Bioengineering (NIBIB), and the National Institute for Arthritis and Musculoskeletal and Skin Diseases (NIAMS).

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 May 2010 with an application receipt date in September 2010.

Amount:

LOI:

Deadline: Release Date March 11, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-HL-11-105.html>

Key Words: **Angiogenesis, Organogenesis**

Notice of Intent to Publish a Request for Applications for The Pediatric Heart Network (U10)

NOT-HL-11-104

National Heart, Lung, and Blood Institute (NHLBI)

The National Heart, Lung, and Blood Institute (NHLBI) and the Canadian Institutes of Health Research (CIHR) intend to issue a new Funding Opportunity Announcement (FOA) to solicit invitations to participate in the Pediatric Heart Network (PHN), a cooperative network of pediatric cardiovascular clinical research centers.

This Notice is being provided to allow potential applicants sufficient time to develop meaningful collaborations and responsive projects.

The FOA is expected to be published in June 2010 with an expected receipt date in October 2010.

Amount:

LOI:

Deadline: Released March 5, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-HL-11-104.html>

Key Words: **Pediatric Heart Disease**

Modification: This Notice modifies RFA-RM-09-019

NOT-RM-10-004

National Center for Research Resources (NCRR)

The purpose of this Notice is to modify the language of RFA-RM-09-019 with regard to research subject advocacy in the Regulatory Knowledge and Support section and with regard to literature cited in the Format of the Application.

In RFA-RM-09-019 Regulatory Knowledge and Support language currently states:

Each CTSA should name an individual independent of the IRB or compliance officer to act as a sounding board for potential research participants, serve as an advocate for research participants, and work with investigators, trainees and research teams to ensure that the highest priority is given for human subject protections.

This is now modified to read:

Each CTSA should provide research participant protections through research subject advocacy functions that should be independent from the IRB function, to be complementary and integrative with existing entities at the institution and work with investigators, trainees and research teams to promote and facilitate safe and ethical conduct of human research. See announcement for further modifications.

Amount:

LOI:

Deadline: Release Date March 12, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-RM-10-004.html>

Key Words: **CTSA**

Modification: This Notice modifies RFA-RM-10-001

NOT-RM-10-005

National Center for Research Resources (NCRR)

The purpose of this Notice is to modify the language of RFA-RM-10-001 with regard to research subject advocacy in the Regulatory Knowledge and Support section and in the review criteria, and to correct a reference to the RFA number in the Format of the Application section.

Amount:

LOI:

Deadline: Release Date: March 16, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-RM-10-005.html>

Key Words: **CTSA, Clinical and Translational**

Notice of Intent to Publish a Funding Opportunity for the Reissue of RFA-TW-08-002 the International Research Ethics Education and Curriculum Development Award (R25)

NOT-TW-10-326

Fogarty International Center (FIC)

The John E. Fogarty International Center (FIC) intends to issue a Funding Opportunity Announcement (FOA) that is a reissue of RFA-TW-08-002 to encourage applications for the International Research Ethics Education and Curriculum Development Award (R25)

This notice is being provided to allow potential applicants sufficient time to develop meaningful collaborations and responsive proposals. This FOA is expected to be published in early April 2010 with an anticipated receipt date of early June 2010. The FOA will utilize the NIH Research Education (R25) grant mechanism. Details of the planned FOA are provided below.

Purpose

This FOA issued by the Fogarty International Center at the National Institutes of Health requests Research Education Grant (R25) applications from institutions/organizations that propose to develop masters level curricula and provide educational opportunities for developing country academics, researchers and health professionals in ethics related to performing research involving human subjects in international resource poor settings.

Amount:

LOI:

Deadline: Release Date March 12, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-TW-10-326.html>

Key Words: **Ethics Education**

UPDATE TO RFA-AE-10-001: OS Recovery Act Limited Competition: Accelerating Adoption of Comparative Effectiveness Research Results by Providers and Patients (R18) - Announcing Additional Funds Availability and Clarifying Eligible Institutions/Organizations

NOT-AE-10-001

Department of Health and Human Services (DHHS)

American Reinvestment and Recovery Act of 2009 (ARRA)

In January, 2010, ASPE announced the availability of funds under the American Recovery and Reinvestment Act of 2009 (ARRA) for strategies for accelerating the adoption of comparative effectiveness research (CER) results by providers and patients (RFA-AE-10-

001). Since then, additional funds have been made available for this RFA in order to allow for the funding of 1 to 3 additional meritorious proposals, thus broadening the impact of this critical component of the CER enterprise. These additional funds will lead to a greater understanding of "best practices" for the adoption of CER by both providers and patients. In addition, ASPE is clarifying additional eligible institution/organization characteristics.

This Notice serves to notify potential applicants of the following changes or clarifications related to the Funds Available and Eligible Institutions/Organizations:

Funds Available and Anticipated Number of Awards. Using funds provided by the Office of the Secretary of the Department of Health and Human Services, ASPE now intends to commit \$17,000,000 for use under this FOA. We anticipate that 6 to 10 awards will be made for fiscal year 2010, pending the number and quality of applications and availability of funds.

Eligible Institutions/Organizations. Eligible institutions or organizations with the following characteristics may include the following:

Integrated health care systems

Integrated provider systems

Academic Medical Centers

Provider consortia

Community Health Center Networks

Private payers

Other non-governmental organizations that administer or directly provide health care services

Organizations that serve health care consumers

University-based school (e.g. School of Public Policy or Public Health)

Private research institutes

Amount:

LOI:

Deadline:

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-AE-10-001.html>

Key Words:

Change in Application Receipt Date for AHRQ Funding Opportunity Announcement (FOA) RFA-HS-10-018

NOT-HS-10-015

Agency for Healthcare Research and Quality (AHRQ)

This Notice is to inform the scientific community that AHRQ is extending the application due date for AHRQ Funding Opportunity Announcements (FOA), RFA-HS-10-018, Improving Patient Safety through Simulation Research (R18), (see <http://grants.nih.gov/grants/guide/rfa-files/RFA-HS-10-018.html>). The NEW application due date for this FOA is June 21, 2010 and expiration of the FOA will be on June 22, 2010. Thus, NEW Key and Submission, Review, and Anticipated Start Dates are:

Key Dates and Submission, Review, and Anticipated Start Dates

Release/Posted Date: January 21, 2010

NOTE: On-time submission requires that applications be successfully submitted to Grants.gov no later than 5:00 p.m. local time (of the applicant institution/organization).

Application Due Date(s): June 21, 2010

Peer Review Date(s): Generally four months after receipt date

Earliest Anticipated Start Date(s): Generally four months after peer review date

Expiration Date: June 22, 2010

Amount:

LOI:

Deadline: Release Date: March 16, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-HS-10-015.html>

Key Words: **Simulation Research, Education**

Alcohol, Drugs or Abuse and/or Smoking

Women and Sex/Gender Differences in Drug and Alcohol Abuse/Dependence (R01), (R21), and (R03)

New

PA-07-329, PA-07-330, and PA-07-331

National Institute on Drug Abuse (NIDA)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

The purpose of this Funding Opportunity Announcement (FOA) is to promote research on women and sex/gender differences in drug/alcohol abuse and dependence.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-07-329.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-07-330.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-07-331.html>

Key Words: **Gender Differences, Substance Abuse, Dependence**

National Center for Responsible Gaming 2010 Prevention and Treatment Exploration Grants, Seed Grants, and Large Grants

New

National Center for Responsible Gaming

The Institute has designated prevention and treatment as priority research topics for 2010. We invite applications focused on a broad range of investigator-initiated research that develops and tests psychosocial or pharmacological approaches for prevention, intervention, treatment or relapse prevention of problem and pathological gambling. The Institute is especially interested in brief interventions targeted at underrepresented populations, such as minorities, young adults and persons with subclinical gambling disorders (e.g., at-risk for problem gambling).

Amount: up to \$150,000

LOI: May 1, 2010 for Large Grant Applications

Deadline: June 1, 2010 for Exploration Grants; July 1, 2010 for Seed Grants; September 1, 2010 for Large Grants

To learn more: <http://www.gamblingdisorders.org/project-grants>

Key Words: **Gambling Addiction**

Collaborative R01s for Clinical and Services Studies of Mental Disorders, AIDS and Alcohol Use Disorders (R01)

PAR-09-153

NIH – Multiple Institutes

The National Institute of Mental Health (NIMH) and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) seek to support collaborative intervention trials in the treatment, prevention or rehabilitation of those with mental disorders and alcohol use disorders and comorbid mental disorders. Support is also provided for other collaborative clinical studies, including but not limited to mental health services research, AIDS, genetics, psychopathology, stigma, and cultural and social processes. This Funding Opportunity Announcement (FOA) should be used when two or more sites are needed to complete the study. Accordingly, the collaborating studies share a specific protocol across the sites and are organized as such in order to increase sample size, accelerate recruitment, or increase sample diversity and representation. In studies with a large number of sites, it is expected that one site will be submitted as a coordinating site for data management and/or other centralized administration. For a linked set of collaborative R01s, each site has its own Project Director/Principal Investigator and the program provides a mechanism for cross-site coordination, quality control, database management, statistical analysis, and reporting.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

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

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

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

PAS-08-041

NIH

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

Amount: \$150,0000

LOI: N/R

Deadline: multiple, see link; continuous

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

Key Words:

Genetic Epidemiology of Substance Use Disorders (R03)

PA-07-414

National Institutes of Health (NIH)

The National Institute on Drug Abuse (NIDA) and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) seek to stimulate and expand research applying genetic epidemiologic methods to studies of substance and alcohol use disorders (SUDs/AUD, drug or alcohol abuse and dependence). Previous studies using twin, adoption, and family approaches indicate that genetic factors substantially contribute to the vulnerability to SUDs/AUD. Shared environmental factors have also been shown strongly to influence

risk, particularly for the onset of substance and alcohol use, while heritability estimates generally rise with age and with progression from substance use to disorder. Significant advances have been made in our understanding of the developmental nature of the onset and progression of SUDs/AUD and in defining a disinhibited phenotype. Building on these findings, new studies are needed to apply genetic epidemiologic approaches to advance our understanding of a variety of developmental trajectories of SUD/AUD; integrate as well as differentiate genetic, environmental, and developmental factors in the onset and maintenance of SUD/AUD; broaden and refine phenotypic definitions of SUDs/AUD; guide the translation of etiologic findings to treatment, prevention, gene-finding and molecular studies; and meet the methodologic challenges of the field.

Amount: \$100,000

LOI: N/R

Deadline: Standard dates apply

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

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

Health Services Research on the Prevention and Treatment of Drug and Alcohol Abuse [(R01) PA-08-263] and [(R21) PA-08-264] and [(R03) PA-08-265]

PA-08-263 and PA-08-264 or PA-08-265

National Institutes of Health (NIH)

This Funding Opportunity Announcement (FOA) issued by the National Institute on Drug Abuse (NIDA) and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) encourages Research Project Grant (R01) applications on health services research to improve the quality of prevention and treatment services for drug and alcohol abuse. Such research projects might emphasize any of the following subjects: (1) clinical quality improvement; (2) organizational/managerial quality improvement; (3) systems of care and collaborative research; or (4) development or improvement of research methodology, analytic approaches, and measurement instrumentation used in the study of drug and alcohol services. -Mechanism of Support. This FOA will utilize the NIH Research Project Grant (R01) award mechanism and runs in parallel with FOAs of identical scientific scope, PA-08-264 and PA-08-265 that encourage applications under the Exploratory/Developmental Grant (R21) and Small Research Grant (R03) award mechanisms, respectively.

Amount: varies

LOI: N/R

Deadline: standard dates apply

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

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

Economics of Treatment and Prevention Services for Drug & Alcohol Abuse [(R03) PA-08-172] and [(R21) PA-08-173] and [(R01) PA-08-174]

PA-08-172 and PA-08-173 or PA-08-174

National Institute on Drug Abuse

National Institute on Alcohol Abuse and Alcoholism

This Funding Opportunity Announcement (FOA) issued by the National Institute on Drug Abuse (NIDA) and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) encourages Research Project Grant (R03) applications on the economics of prevention and treatment services for drug and alcohol abuse. Such research projects might emphasize any of the following subjects: (1) financing and purchasing of drug and alcohol treatment and prevention services, including studies of health insurance and payment mechanisms; (2) economic incentives used to improve the quality and economic efficiency of treatment and prevention services (3) alternative delivery systems and managed care; (4) cost-benefit, cost-effectiveness, or cost-utility analyses; (5) service costs, production, and economic efficiency; and (6) research to develop or improve methods to be used in the economic study of drug and alcohol services The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.

Amount: \$50,000

LOI: N/R

Deadline: standard dates apply

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

Key Words: **Alcoholism, Epidemiology**

Accelerating the Pace of Drug Abuse Research Using Existing Epidemiology, Prevention, and Treatment Research Data (R01)

PAR-10-018

National Institute on Drug Abuse (NIDA)

National Cancer Institute (NCI)

Office of Behavioral and Social Science Research (OBSSR)

The National Institute on Drug Abuse (NIDA) and the National Cancer Institute (NCI) invite applications to support the innovative analysis of existing social science and behavioral data to study the etiology and epidemiology of drug using behaviors (defined as alcohol, tobacco, and other drug), HIV risk behaviors, related disorders, prevention and treatment of these behaviors, and health service utilization including quality, access, and costs. NIDA and NCI encourage coordinated analyses of substance abuse research data that are in public use or that are privately held by a principal investigator.

Amount: \$450,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-018.html>

Key Words: **Risk Behaviors**

Unique Interactions Between Tobacco Use and HIV/AIDS

[(R01) PA-08-253] and [(R03) PA-08-254]

PA-08-253 and PA-08-254

National Institute on Drug Abuse (NIDA)

Fogarty International Center (FIC)

The purpose for this FOA issued by the National Institute on Drug Abuse and the Fogarty International Center encourages Research Project Grant (R01) applications from institutions/organizations that propose to stimulate research related to the unique, interactive health effects of cigarette smoking and HIV/AIDS.

Amount: unspecified

LOI: N/R

Deadline: standard dates apply

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

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

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**

Building System Capacity for Implementing Evidence-Based Practices in Substance Abuse Treatment and Prevention (R34)

PA-09-105

National Institute on Drug Abuse (NIDA)

This Funding Opportunity Announcement (FOA) issued by the National Institute on Drug Abuse, National Institutes of Health, provides resources to facilitate research on the adoption, implementation, and sustainability of evidence-based clinical treatment practices, prevention approaches, and business practices in community-based service delivery settings. It is intended to foster collaboration between service providers and entities that directly influence their capacity to deliver such practices, including Single State Agencies, other funders, licensing and regulatory bodies, referral sources, educational entities, and other social services agencies that interact with the treatment and prevention systems. Applications are encouraged that will advance the field of implementation science while simultaneously building the capacity of systems and service providers to conduct process improvement research. Applicants may propose to pilot test proven clinical or business practices across service delivery settings, or to study the downstream effect of changes in State or other system-level policies on program capacity to implement evidence-based practices. This FOA encourages collection of preliminary data needed to inform approaches to the eventual scaling-up of selected practices to broader, sustained implementation.

Amount: \$450,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-105.html>

Key Words: **Addictions, Treatment Program Evaluation**

**Drug Abuse 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**

Cutting-Edge Basic Research Awards (CEBRA) (R21)

PAR-09-222

National Institute on Drug Abuse (NIDA)

The National Institute on Drug Abuse (NIDA) Cutting-Edge Basic Research Award (CEBRA) is designed to foster highly innovative or conceptually creative research related to drug abuse and addiction and how to prevent and treat them. It supports research that is high-risk and potentially high-impact that is underrepresented or not included in NIDA's current portfolio. The proposed research should: (1) test a highly novel and significant hypothesis for which there is scant precedent or preliminary data and which, if confirmed, would have a substantial impact on current thinking; and/or (2) develop or adapt innovative techniques or methods for addiction research, or that have promising applicability to drug abuse research.

Amount: \$250,000

LOI: N/R

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

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

Key Words: **Drug Abuse, Addictions**

AIDS-Science Track Award for Research Transition (R03)

PAR-10-021

National Institute on Drug Abuse (NIDA)

This funding opportunity announcement (FOA) by the National Institute on Drug Abuse seeks to facilitate the entry of both newly independent and early career investigators to the area of drug abuse research on HIV/AIDS. This FOA, AIDS--Science Track Award for Research Transition (A-START), encourages Small Research Grant (R03) applications to support research projects on drug abuse and HIV/AIDS that can be carried out in a short period of time with limited resources. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology.

Amount: \$200,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-021.html>

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

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

PAS-10-097 and PAS-10-098

National Institute on Drug Abuse (NIDA)

Through this FOA, the National Institute on Drug Abuse (NIDA) seeks to stimulate and support research on the determination of efficacy and potency of interventions that utilize technological tools (e.g., mobile enabling technologies, Ecological Momentary Assessment (EMA), enhanced Medication Event Monitoring System, computer software, portable digital devices, cell phone and/or Digital Assistant Device among others) to foster adherence to Human Immunodeficiency Virus (HIV) treatment regimens among

substance abusing populations in naturally occurring timeframes and contexts. Multidisciplinary collaboration between social scientists, medical (physician/nurse) researchers and technology experts to develop and refine mobile technological instrumentation, e-health technology and software as interventions (or as part of interventions) that foster adherence to HIV treatment regimens and access to care in real time is encouraged.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAS-10-097.html> and <http://grants.nih.gov/grants/guide/pa-files/PAS-10-098.html>

Key Words: **Treatment Regimens, HIV/AIDS**

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

RFA-DA-10-019

National Institute on Drug Abuse (NIDA)

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

Amount: \$12,500,000

LOI: March 29, 2010

Deadline: April 29, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-019.html>

Key Words: **Addiction Phenotype/Genotypes**

Medications Development for Substance Related Disorders (R01)

RFA-DA-10-018

National Institute on Drug Abuse (NIDA)

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

Amount: \$5,000,000

LOI: March 29, 2010

Deadline: April 29, 2010

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

Key Words: **SRDs, Substance Related Disorders**

Medications Development for Cannabis-Related Disorders (R01)

RFA-DA-10-016

National Institute on Drug Abuse (NIDA)

The purpose of this Funding Opportunity Announcement (FOA) is to issue a Request for Applications (RFA) to support research studies that focus on the identification, and preclinical and clinical evaluation, of medications that can be safe and effective for the treatment of cannabis-use and -induced disorders, as well as their medical and psychiatric consequences. The studies can be preclinical or FDA-defined Phase I, Phase II or Phase III clinical trials.

Amount: \$2,500,000

LOI: March 30, 2010

Deadline: April 30, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-016.html>

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

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

RFA-DA-10-014

National Institute on Drug Abuse (NIDA)

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

Amount: \$3,750,000

LOI: March 29, 2010

Deadline: April 29, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-014.html>

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

Drug Abuse Dissertation Research: Epidemiology, Prevention, Treatment, Services, and/or Women and Sex/Gender Differences (R36)

PAR-10-020

National Institute on Drug Abuse (NIDA)

The purpose of this Funding Opportunity Announcement (FOA) is to invite applications for support of drug abuse doctoral dissertation research in epidemiology, prevention, treatment, services, and/or women and sex/gender differences.

Amount: \$100,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-020.html>

Key Words: **Drug Abuse**

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

RFA-DA-10-013

National Institute on Drug Abuse (NIDA)

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

Amount: \$10,000,001

LOI: N/R

Deadline: July 2, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-013.html>

Key Words: **Substance Abuse, Treatment**

Drug Abuse Aspects of HIV/AIDS (R01) and (R21) and (R03)

PA-10-129 and PA-10-130 and PA-10-131

National Institute on Drug Abuse (NIDA)

This FOA issued by the National Institute on Drug Abuse (NIDA), National Institutes of Health (NIH), encourages Research Project Grant (R01) applications to examine the drug abuse aspects of HIV/AIDS, including research on drug-related risk behaviors, addiction and HIV disease, and drug use/HIV-related comorbidities and consequences. Proposals are needed to identify and predict changes in the epidemiology of HIV/AIDS among injection and non-injection drug users and among their sexual partners, to develop and test primary and secondary drug abuse and HIV prevention and treatment interventions, to improve HIV testing, counseling, and treatment services for those living with HIV/AIDS, and to address basic mechanisms involved in HIV infection and AIDS pathogenesis in the context of drug abuse and addiction.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-129.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-129.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-129.html>

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

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**

Collaborative Clinical Trials in Drug Abuse (Collaborative R01)

PAR-10-099

National Institute on Drug Abuse (NIDA)

The National Institute on Drug Abuse (NIDA) seeks to increase the clinical collaboration of investigators between multiple clinical research groups, while simultaneously facilitating the study of outcome measures and/or patient populations that require larger numbers of subjects than any single site can reasonable enroll.

Amount: \$2,500,000

LOI: 30 days before planned application submission date

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-099.html>

Key Words: **Substance-Related disorders, Pharmacological Treatment, Behavioral Therapy, Neuroimaging, Infectious Disease Transmission**

Mechanism for Time-Sensitive Drug Abuse Research (R01)

PAR-10-072

National Institute on Drug Abuse (NIDA)

This Funding Opportunity Announcement (FOA) is issued by the National Institute on Drug Abuse (NIDA), National Institutes of Health (NIH). The FOA is intended to support substance abuse prevention and treatment services research in rapidly evolving areas (e.g., changes in service systems, health care financing, policy, natural/man-made disasters, etc) where opportunities for empirical study are, by their very nature, only available through expedited review and award of support. There are three distinguishing features of an eligible study: 1) the study's scientific value and feasibility are clear, 2) rapid review and funding are required in order for the scientific question to be answered, and 3) the knowledge gained from the study is time-sensitive and seeking funding through the regular NIH cycle of review and award would result in a missed opportunity to conduct the research. It should be clear that the research question offers an uncommon and scientifically significant research opportunity that could only become available if the project is initiated with minimum delay.

Amount: varies

LOI: 4 weeks prior to planned submission date

Deadline: June 9, 2010, September 10, 2010 December 9, 2010, March 9, 2011, June 9, 2011, September 9, 2011, December 9, 2011, March 9, 2012, June 8, 2012, September 10, 2012, December 10, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-072.html>

Key Words: **Substance Abuse Prevention, Policy**

Science Education Drug Abuse Partnership Award – R25

PAR-08-145

National Institute on Drug Abuse

This funding opportunity announcement (FOA) solicits Research Education (R25) grant applications to fund the development and evaluation of innovative model programs and materials for enhancing knowledge and understanding of neuroscience and the biology of drug abuse and addiction among K-12 students, the general public, health care practitioners, and other groups. The award provides support for the formation of partnerships between scientists and educators, media experts, community leaders, and other interested

organizations for the development and evaluation of programs and materials that will enhance knowledge and understanding of science related to drug abuse. The intended focus is on topics not well addressed in existing efforts by educational, community, or media activities.

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

LOI: N/R

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

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

Key Words:

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

PAS-08-186 and PAS-08-187

National Institute on Drug Abuse

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

Amount: \$2,500,000

LOI: N/R

Deadline: standard dates apply

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

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

Medications Development for the Treatment of Pregnant/Postpartum Women with Substance Related Disorders and/or In Utero Substance Exposed Neonates (R01) and (R21)

PA-09-106 and PA-09-107

National Institute on Drug Abuse

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

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

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

Mechanisms of Alcohol-Induced Tissue Injury (R01)

PA-08-164

National Institute on Alcohol Abuse and Alcoholism

National Heart, Lung, and Blood Institute

The National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Heart Lung and Blood Institute (NHLBI), National Institutes of Health (NIH), solicit the submission of investigator-initiated research grant applications to support research investigating the Mechanisms of Alcohol Induced Tissue Injury in diverse groups and across the life span.

Amount: \$250,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-164.html>

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

Senior Scientist Research and Mentorship Award (K05)

PA-09-076

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

National Institute on Drug Abuse (NIDA)

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

Amount: up to \$450,000

LOI: N/R

Deadline: Standard dates apply

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

Key Words: Alcohol abuse, Drug abuse

Alcohol, Decision-Making, and Adolescent Brain Development (R01) and (R21)

PA-09-097

PA-09-096

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

This FOA issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Research Project grants (R01) applications from institutions/organizations that propose to study decision-making processes in adolescents as they relate to drinking behavior, and the role of neural circuitry development in adolescent decision-making and alcohol abuse and dependence.

Amount: unspecified

LOI: N/R

Deadline: Standard dates apply

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

Key Words: Alcoholism, Adolescent Behavior

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

PA-10-085 and PA-10-086

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-085.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-086.html>

Key Words: Alcohol-Induced Tissue Injury

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

PA-10-093 and PA-10-094

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Research Project Grant (R01) applications that propose studying the role of cellular stress responses, the cytoplasmic classical stress response or heat shock response (HSR) and the endoplasmic reticulum (ER) stress, in alcohol-induced tissue injury and tissue protection. While excessive alcohol use causes organ damage, moderate alcohol consumption may be beneficial. The underlying molecular mechanisms for this apparent dichotomy of alcohol's harmful and salutary effects are currently not

fully understood. Alcohol induces cellular stress pathways in the cytoplasm and in the endoplasmic reticulum that may significantly be involved in alcohol-induced tissue injury or mediate tissue protection depending on the quantity, frequency, duration, and temporal pattern of drinking. Hence, studies of the effects of alcohol on cellular stress pathways are critical to understand the mechanisms of alcohol-induced injuries or protection to develop new strategies for prevention, diagnosis and treatment. The purpose of this FOA is to: (1) acquire insight into how acute or chronic alcohol consumption affects cellular stress pathways and in turn, how these changes contribute to alcohol-induced injury/protection; (2) investigate how alcohol induced stress responses mediate cell survival and death signaling pathways at macromolecular, organelle, cellular and organism level contributing to alcohol-induced tissue injury/protection; (3) develop potential stress related biomarkers for prognosis, diagnosis of tissue injury/protection, furthermore identify new targets for their therapeutic interventions. Utilizing innovative experimental design and emerging technologies, such as deep sequencing, genomics, proteomics, metabolomics, bioinformatics, and novel imaging techniques these investigations are expected to provide a more comprehensive understanding of how alcohol affects the evolutionally conserved stress pathways and elucidate their roles in tissue injuries and repair.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-093.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-094.html>

Key Words: **Alcohol-Induced Tissue Injury**

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

PA-10-102 and PA-10-100 and PA-10-101

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

This Funding Opportunity Announcement (FOA), issued by the National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Institutes of Health (NIH), encourages Exploratory/Developmental (R21) grant applications from institutions/organizations that utilize innovative approaches to research on: behavioral and pharmacological treatment for alcohol use disorders; organizational, financial, and management factors that facilitate or inhibit the delivery of services for alcohol use disorders; and/or on the phenomenon of recovery from alcohol use disorders. This FOA will use the NIH Exploratory/Developmental (R21) award mechanism and runs in parallel with two FOAs of identical scientific scope: PA-10-100 that encourages applications under the R01 mechanism and PA-10-101 that encourages applications under the R03 mechanism.

Amount: \$275,000+

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-102.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-100.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-101.html>

Key Words: **Alcohol Use Disorders**

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

PA-10-103 and PA-10-104 and PA-10-105

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

This Funding Opportunity Announcement (FOA) is intended to appeal to a broad audience of alcohol and HIV/AIDS researchers, including alcohol researchers with no prior experience in HIV/AIDS research, but with a keen appreciation for the relationship between problem drinking and HIV/AIDS and a strong interest in acquiring such experience; HIV/AIDS researchers with no prior alcohol research experience who realize the importance of more intensive alcohol interventions to improving clinical outcomes among HIV+ individuals; and those with prior research experience in the area of co-occurring HIV/AIDS and alcohol and other substance abuse. The primary objectives for this announcement are to increase research : 1) to characterize the relative importance of reducing alcohol misuse in the prevention of acquisition and transmission of HIV in order to identify and apply appropriate alcohol and HIV interventions as public health measures, 2) to more fully understand and prevent the progression of HIV disease in the presence of continued alcohol exposure and 3) to develop operational research frameworks for addressing the occurrence and persistence of infections in high-risk populations (e.g. minority women, young gay men, etc.), and translate findings these targeted populations. Given the breadth of research objectives included in this announcement, potential applicants are encouraged to carefully review all sections of the announcement for research opportunities.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-103.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-104.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-105.html>

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

Alcohol Research Education Project Grants (R25)

PAR-08-082

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

The National Institute on Alcohol Abuse and Alcoholism (NIAAA) supports research programs to advance understanding of the biological and behavioral processes involved in the development, expression, and consequences of alcoholism and other alcohol-related problems. The Institute also supports prevention, treatment, and health services research on alcohol abuse and alcoholism. A part of the NIAAA mission is the dissemination of new knowledge acquired from alcohol research to diverse audiences, including scientists, educators, clinicians, and other health and social service providers, patients and their families, professionals within the criminal justice system, and the general public. This FOA identifies the research activity on alcohol education of Health Professions that NIAAA will consider for award through Research Education grants (R25).

Amount: \$500,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-08-082.html>

Key Words: **Alcohol, Alcohol Related Problems, Education**

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

PA-08-008

National Institute on Alcohol Abuse and Alcoholism

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

Amount: \$275,000

LOI: N/R

Deadline: Multiple dates, see announcement

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

Key Words:

International Research Collaborations on Drug Addiction (R21)

PA-08-007

National Institute on Alcohol Abuse and Alcoholism

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

Amount: varies

LOI: N/R

Deadline: Multiple dates, see announcement

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

Key Words:

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

PA-08-006

National Institute on Alcohol Abuse and Alcoholism

This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/ organizations that propose to integrate basic behavioral research and intervention research for the prevention of alcohol-related HIV/AIDS risk.

Amount: varies

LOI: N/R

Deadline: multiple dates, see announcement

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-006.html>

Key Words:

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

PAR-08-158

National Institute of Mental Health

National Institute on Aging

National Institute on Alcohol Abuse and Alcoholism

National Institute on Drug Abuse

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

Amount: \$150,000

LOI: 30 days prior to application receipt date

Deadline: multiple dates (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**

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

RFA-AI-10-005

National Institute of Allergy and Infectious Diseases Health (NIAID)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

National Institute of Mental Health (NIMH)

The National Institute of Allergy and Infectious Diseases, the National Institute of Alcohol Abuse and Alcoholism and the National Institute of Mental Health invite applications for multidisciplinary research programs that; (1) devise optimal HIV prevention packages (combination interventions) for specific populations, (2) perform pilot studies to demonstrate that the proposed prevention package is acceptable to the target population and the study design is appropriate and feasible, and (3) design clinical protocols to rigorously examine the safety and efficacy of these packages in the target population.

Amount: \$2,400,000

LOI: June 15, 2010

Deadline: July 15, 2010

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

Key Words: **HIV Prevention**

NIH Small Research Grant Program (Parent R03)

PA-09-163

National Human Genome Research Institute (NHGRI)

National Institute on Drug Abuse (NIDA)

National Institute on Aging (NIA)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

National Institute of Allergy and Infectious Diseases (NIAID)

National In

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

Amount: \$100,000

LOI: N/R

Deadline: Standard dates apply

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

Key Words: **Small Grants**

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**

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**

Year 2010 Department of Defense Peer Reviewed Medical Research Program

W81XWH-10-PRMRP-CTA

W81XWH-10-PRMRP-IIRA

W81XWH-10-PRMRP-TTDA

Department of Defense (DOD)

Congressionally Directed Medical Research Programs (CDMRP)

All applications for PRMRP funding must specifically and clearly address at least one of the topic areas as directed by Congress, and have direct relevance to the health care needs of the Armed Forces, their family members, and/or the U.S. veteran population. If the proposed research has no relevance to currently advertised PRMRP topic areas, the Government reserves the right to administratively withdraw the application. The Government also reserves the right to reassign the proposal's topic area if submitted under an inappropriate topic area. The FY10 PRMRP topic areas as provided by Congress are listed below.

Chronic Migraine and Post-traumatic Headache

Dystonia

Drug Abuse

Epilepsy

Fragile X Syndrome

Inflammatory Bowel Disease

Interstitial Cystitis

Listeria vaccine for infectious disease

Lupus

Mesothelioma

Neuroblastoma

Osteoporosis and related bone disease

Paget's Disease

Pheochromocytoma

Polycystic Kidney Disease

Post-traumatic Osteoarthritis

Scleroderma

Social Work Research

Tinnitus

Amount: up to \$2,200,000

LOI: April 22, 2010 for Clinical Trial Award, Technology/Therapeutic Development Award

Deadline: May 13, 2010 for Clinical Trials Award, Technology/Therapeutic Development Award

August 5, 2010 for Investigator-Initiated Research Award

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

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

Bioimaging and Radiation Research

NIBIB Biomedical Technology Resource Centers (P41)

New

PAR-10-153

National Institute of Biomedical Imaging and Bioengineering (NIBIB)

This FOA issued by the National Institute of Biomedical Imaging and Bioengineering (NIBIB), National Institutes of Health (NIH), encourages grant applications for Biomedical Technology Resource Centers (BTRCs) that are funded using the P41 mechanism. BTRCs conduct research and development on new technologies that are driven by the needs of basic, translational, and clinical researchers. BTRCs also make their technologies available, train members of the research community in the use of the technologies, and disseminate these technologies broadly.

Amount: \$3,500,000

LOI: 30 days prior to each submission date

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-153.html>

Key Words: **Bioimaging**

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

New

PAR-10-169

National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA) issued by the Cancer Imaging and Radiation Research Programs of the National Cancer Institute (NCI), National Institutes of Health (NIH), encourages applications from research partnerships formed by academic and industrial investigators to accelerate the translation of either animal or human in vivo imaging, image guided, and/or spectroscopic systems and methods designed to solve targeted cancer problems for cancer research, clinical trials, and/or clinical practice. The partners on each application will establish an inter-disciplinary, multi-institutional research team to work in a strategic alliance to implement a coherent strategy to develop and translate the proposed system or methods with potential for significant impact on preclinical, single, or multisite clinical studies. Partnerships must include at least one lead academic and one lead industrial organization large or small among their numbers. For either preclinical or clinical research, funding may be requested for limited additional copies of prototype systems and methods in order to optimize and validate them across different platforms and/or research sites. Each partnership is encouraged to plan to solve its choice of targeted cancer problem within the five year funding period. This FOA supports clinical trials that emphasize optimization and validation of the performance of imaging systems, including devices, agents and/or methods. It will not support commercial production.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-169.html>

Key Words: **in vivo Imaging, Cancer**

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

PAR-09-073

National Institute on Drug Abuse (NIDA)

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

Amount: \$150,000

LOI: 30 days prior to the application due date

Deadline: Standard dates apply

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

Key Words: **Neuroimaging**

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

PA-08-137

National Institute of Mental Health

National Institute on Aging

National Institute on Alcohol Abuse and Alcoholism

National Institute on Deafness and Other Communication Disorders

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

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

LOI: N/R

Deadline: standard dates apply

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

Key Words:

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

PA-10-023 and PAR-10-024

National Institute of Mental Health (NIHM)

National Institute on Aging (NIA)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

National Institute of Biomedical Imaging and Bioengineering (NIBIB)

National Institute on Drug Abuse (NIDA)

This Funding Opportunity Announcement (FOA) invites research grant applications from organizations/institutions that propose the development of novel radioligands for positron emission tomography (PET) or single photon emission computed tomography (SPECT) imaging in human brain, and that incorporate pilot or clinical feasibility evaluation in pre-clinical studies, model development, or clinical studies.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-023.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-024.html>

Key Words: **PET, SPECT, radioligands, Small Business Innovation Research (SBIR [R43/R44])**

Innovation in Molecular Imaging Probes (R01)

PAR-09-016

National Institute of Biomedical Imaging and Engineering

National Institute on Aging

National Institute of Arthritis and Musculoskeletal and Skin Diseases

Eunice Kennedy Shriver National Institute of Child Health and Human Development

National Institute

This FOA is issued by the National Institute of Biomedical Imaging and Bioengineering, National Institutes of Health. This FOA is a follow up of a previous Roadmap RFA (RM-04-021 "Innovation in Molecular Imaging Probes"). The purpose of this initiative is to encourage the development of novel molecular imaging approaches that can detect and image specific molecular activities in vivo, and have the potential for clinical applications. Novel molecular imaging approaches developed through this initiative can focus on one (or both) of the following long-term translational goals: (1) imaging the characteristic markers, and function, of normal cells in control human subjects and patients, and (2) imaging the characteristic markers, and biochemical or physiological abnormalities, of disease cells in patients. Potential abnormalities that could provide early markers for disease include (but are not restricted to): inflammation, fibrosis, immune cell activation, altered signal transduction pathways, altered gene expression pathways, and altered post-translational modification of proteins. This initiative solicits applications that explore innovative "high-impact" approaches, rather than incremental technology development that is already supported by current NIH programs.

Amount: varies

LOI: December 21, 2010; April 21, 2010; August 21, 2010; April 20, 2011; August 21, 2011

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-016.html>

Key Words: **Molecular Imaging Probes**

New Approaches to Arrhythmia Detection and Treatment (SBIR [R43/R44]) and (STTR [R41/R42])

PA-10-117 and PA-10-118

National Heart, Lung, and Blood Institute (NHLBI)

This Funding Opportunity Announcement (FOA) encourages Small Business Innovation Research (SBIR) grant applications from small business concerns (SBCs) that propose to improve our ability to detect, prevent, and treat all forms of cardiac arrhythmias. This initiative encourages SBCs to develop improved diagnostic and therapeutic tools, products, or devices for cardiac arrhythmia monitoring, detection and treatment.

Amount: up to \$1,200,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-117.html>

Key Words: **Cardiac Arrhythmia**

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

PAR-09-157

National Cancer Institute (NCI)

The Cancer Imaging Program, and the Division of Cancer Diagnosis and Treatment, at the National Cancer Institute (NCI), invites new or renewal (competing) applications for P50 Research Center Grants for In vivo Cellular and Molecular Imaging Centers (ICMICs). The program will fund the 5-year P50 ICMIC grants to support interdisciplinary scientific teams conducting cutting-edge cancer molecular imaging research. ICMIC funding is designed to: (1) support innovative cancer molecular imaging research projects; (2) support unique core facilities; (3) enable the awardees to initiate pilot research in new promising directions; and (4) provide interdisciplinary career development opportunities for investigators new to the field of molecular cancer imaging.

Amount: \$6,250,000

LOI: September 28, 2010; September 28, 2011

Deadline: October 28, 2010; October 28, 2011

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

Key Words: **Cancer Center, Imaging**

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

PAR-08-147

National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA) is intended to support clinical trials conducting preliminary evaluation of the safety and efficacy of imaging agents, as well as an assessment of imaging systems, image processing, image-guided therapy, contrast kinetic modeling, and 3-D reconstruction and other quantitative tools. The rapid translation of promising discoveries in the fields of imaging probes, methodologies, technologies and image-guided therapies to clinical practice requires timely support. This FOA will provide investigators with support for either pilot (Phase I and II) cancer clinical trials, or patient monitoring and laboratory studies. The imaging and Image-guided Intervention (IGI) studies, if proven successful in these early clinical trials, can then be validated in larger studies through competitive R01 mechanisms, or through clinical trials in the Specialized Programs of Research Excellence (SPOREs), Cancer Centers and/or Cooperative Groups.

Amount: \$250,000

LOI: N/R

Deadline: April 9, 2010; August 11, 2010; December 10, 2010; April 11, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-147.html>

Key Words: **Imaging Agents, Contrast Modeling, Probes**

Image-guided Drug Delivery in Cancer (R01)

PA-09-253

National Cancer Institute (NCI)

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

Amount: \$2,500,000

LOI: N/R

Deadline: Standard dates apply

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

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

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

HDTRA1-08-10-BRCWMD-BAA

Department Of Defense (DOD)

Defense Threat Reduction Agency

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

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

Amount: \$2,500,000

LOI: registration: March 31, 2010

Deadline: May 12, 2010

To learn more:

<http://www07.grants.gov/search/announce.do;jsessionid=JrpRKc7NIPTw1ywWRx58MNRQ19GcMlyFpsD4Fly1ySM8jYmhkrh7!-82303134>

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

Bioinformatics

Air Force Fiscal Year 2011 Young Investigator Research Program

New

AFOSR-BAA-2010-3

Department of Defense (DoD)

The Air Force Office of Scientific Research (AFOSR)

The AFOSR's Young Investigator Research Program (YIP) is to support scientists and engineers who have received Ph.D. or equivalent degrees in the last five years (on or after 1 May 2005) and who show exceptional ability and promise for conducting basic research. The objective of this program is to foster creative basic research in science and engineering, enhance early career development of outstanding young investigators, and increase opportunities for the young investigators to recognize Air Force mission and the related challenges in science and engineering. Proposals addressing the research areas of interest for the Air Force Research Laboratory will be considered.

Amount: \$360,000

LOI: White papers may be submitted via email directly to a program manager

Deadline: July 28, 2010

To learn more: <http://www.wpafb.af.mil/library/factsheets/factsheet.asp?id=9332>

Key Words: **Collective Behavior and Socio-Cultural Modeling, Mathematical Modeling of Cognition and Decision, Systems and Software**

T32 Postdoctoral Research Fellowship

T32HL072757-02

University of Alabama at Birmingham (UAB)

The Section on Statistical Genetics in the Department of Biostatistics at the University of Alabama at Birmingham is accepting applications from statistical and other scientists for postdoctoral positions in statistical genetics, genetic epidemiology, microarray analysis, or proteomic analysis.

Amount: not specified

LOI: N/R

Deadline: Continuous. Fellowship positions are open until filled.

To learn more: <http://www.soph.uab.edu/ssg/default.aspx?id=68>

Key Words:

Postdoctoral Research Fellowships in Biology (PRFB)

NSF 07-580

NSF

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

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

Amount: unspecified

LOI: N/R

Deadline: November 5; annually

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

Key Words: **Biological Informatics**

Methodology, Measurement, and Statistics (MMS)

NSF 08-561

NSF

The MMS Program seeks proposals that are methodologically innovative, grounded in theory, and have potential utility for multiple fields within the social, behavioral, and economic sciences. Successful proposals often integrate across the following areas: The development, application, and extension of formal models and methodology for social and behavioral research, including methods for improving measurement. The proposed research must have implications for one or more of the social and behavioral sciences. The development of formal models that cross traditional disciplinary boundaries, including research on statistical methodology or statistical modeling having direct implications for one or more of the social and behavioral sciences. Research on methodological aspects of new or existing procedures for data collection, including methodology for survey research, and research to evaluate or compare existing data bases and data collection procedures. The collection of unique databases with cross disciplinary implications, especially when paired with developments in measurement or methodology. The organizational infrastructure of social and behavioral research.

Amount: varies

LOI: N/R

Deadline: August 16, annually; January 16, annually

To learn more: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08561

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

NLM Express Research Grant in Biomedical Informatics (R01)

PAR-08-080

NIH, NLM (National Library of Medicine)

The National Library of Medicine supports research grants that advance the sciences of biomedical informatics and bioinformatics. Informatics is concerned with the optimal management of information, and in practice is usually located at the intersection of computer and information sciences with an application domain such as health care, public health, basic biomedical research or clinical translational research.

Amount: varies

LOI: N/R

Deadline: multiple dates, see announcement

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-080.html>

Key Words:

Continued Development and Maintenance of Software (R01)

PAR-08-010

NIH, Multiple Institutes and Centers

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

Amount: \$250,000

LOI: N/R

Deadline: Multiple, see announcement

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

Key Words:

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

PAR-08-183 and PAR-08-184

NIH Roadmap Initiatives

This funding opportunity announcement (FOA) is for projects from individual-investigators or small groups to collaborate with the NIH Roadmap for Medical Research National Centers for Biomedical Computing (NCBCs). For a description of the NCBCs see <http://www.bisti.nih.gov/ncbc/>. The intention of the collaborating projects is to engage researchers across the nation in building an

excellent biomedical computing environment, using the computational tools and biological and behavioral application drivers of the funded NCBCs as foundation stones. This FOA is intended to support exploratory biomedical informatics and computational biology research—applications should be innovative, with high risk/high impact in new areas that are lacking preliminary data or development. Applications for R21 awards should describe projects distinct from those supported through the traditional R01 mechanism. For example, long-term projects, or projects designed to increase knowledge in a well-established area will not be considered for R21 awards.

Amount: \$2,500,000

LOI: N/R

Deadline: standard dates apply

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

Key Words: **Bioinformatics**

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

PAR-08-123

NIH

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

Amount: \$220,000 annually

LOI: N/R

Deadline: June 18, 2010

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

Key Words:

Innovations in Biomedical Computational Science and Technology (R01)

PAR-09-218

National Institutes of Health (NIH), multiple institutes

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

Amount: \$2,500,000

LOI: N/R

Deadline: Standard dates apply

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

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

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

PAR-08-023

National Institutes of Health (NIH)

The goal of this solicitation is to move the field of biomedical computational modeling forward through the development of more realistic and predictive models of health and disease. NIH recognizes the need for sophisticated, predictive, computational models of development and disease that encompass multiple biological scales. These models may be designed to uncover biological mechanisms or to make predictions about clinical outcome and may draw on a variety of data sources including relevant clinical data. Ultimately the models and the information derived from their use will enable researchers and clinicians to better understand, prevent, diagnose, and treat the diseases or aberrations in normal development. Specifically this program solicits the development of predictive multiscale models of health and disease states that must include higher scales of the physiome. The specific objectives are to develop multiscale models that are physiologically mechanistic and biomedically relevant, to bring together modeling and biomedical expertise to collaborate on building models, to validate and test models with standard datasets, and to develop models that can be explicitly shared with other modelers.

Amount: varies

LOI: Nonrequired letters of intent are due by April 14 and August 16, 2010

Deadline: 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**

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

RFA-DA-10-014

National Institute on Drug Abuse (NIDA)

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

Amount: \$3,750,000

LOI: March 29, 2010

Deadline: April 29, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-014.html>

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

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

PA-10-139

National Institute on Aging (NIA)

This Funding Opportunity Announcement (FOA), issued by the National Institute on Aging (NIA), is seeking small grant (R03) applications to conduct secondary analysis of social and behavioral data in aging. Specifically, NIA seeks applicants to: 1) stimulate and facilitate secondary analysis of data related to dynamics of health and disability, cognition, psychosocial and sociodemographic factors, genetics, and biomarkers, long term care, caregiving, behavioral medicine, retirement, economic status; 2) provide support for preliminary projects using secondary analysis that could lead to subsequent applications for other research grant award mechanisms; 3) provide support for analyses of new databases and experimental modules for purposes such as informing the design and content of future study waves; and 4) provide support for pilot research on under-utilized databases.

Amount: \$100,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-139.html>

Key Words: **Aging, Secondary Analysis, Existing Databases**

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

PA-09-265

National Institute on Aging (NIA)

The National Institute on Aging (NIA) invites applications to support short term projects involving secondary analysis of existing data sets or stored biospecimens, to address clinically-related issues on aging changes influencing health across the life span, and/or on diseases and disabilities in older persons.

Amount: \$750,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-265.html>

Key Words: **Secondary Analysis, Aging**

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

PA-08-252

National Institute on Aging (NIA)

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

Amount: \$100,000

LOI: N/R

Deadline: standard dates apply

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

Key Words: **Aging, Databases**

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

PAR-08-199

National Institute of Mental Health (NIMH)

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

Amount: varies

LOI: N/R

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

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

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

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

PA-09-002

National Institute of General Medical Sciences (NIGMS)

National Center for Complementary and Alternative Medicine (NCCAM)

National Institute on Aging (NIA)

National Institute of Mental Health

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

Amount: \$1,000,000

LOI: N/R

Deadline: standard dates apply

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

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

NIDDK Education Program Grants (R25)

PAR-10-092

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

Office of Dietary Supplements (ODS/NIH)

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

Amount: \$500,000

LOI: N/R

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-092.html>

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

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

PAR-09-182

National Institute of Dental and Craniofacial Research (NIDCR),

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

Amount: \$200,000

LOI: N/R

Deadline: Standard dates apply

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

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

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

PAR-10-041

National Institute of Dental and Craniofacial Research (NIDCR)

This funding opportunity announcement (FOA) will support meritorious research projects that involve secondary data analyses or development of statistical methodology using existing genome-wide data, relevant to human dental or craniofacial conditions or traits.

Amount: \$300,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-041.html>

Key Words: **Craniofacial, Dental Conditions**

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

RFA-HL-11-004

National Heart, Lung, and Blood Institute (NHLBI)

The National Heart, Lung, and Blood Institute (NHLBI) encourages grant applications under this Funding Opportunity Announcement (FOA) to develop and implement a Knowledge Base (KB) and Coordinating Center for the Consortium of Cross Organ Mechanism-Associated Phenotypes for Genetic Analyses of Heart, Lung, Blood, and Sleep Diseases (MAPGen for HLBS). This is one of two FOAs for the MAPGen program. The other FOA is for the Research Centers (RCs) of MAPGen and described separately in RFA-HL-11-005. The MAPGenKB will provide logistical and informatics support for the research across all RCs in the MAPGen consortium and synthesize the knowledge from the datasets of the RCs and other sources that are relevant to the goals of the MAPGen consortium. The data and tools generated from this consortium will be made available to the broad scientific community.

Amount: \$5,500,000

LOI: August 2, 2010

Deadline: September 1, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-11-004.html>

Key Words: **Genetic Analyses, Informatics**

NEI Research Grant for Secondary Data Analysis (R21)

PAR-09-252

National Eye Institute (NEI)

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

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-252.html>

Key Words: **Secondary Data Analysis, Epidemiological Research**

Development, Application, and Evaluation of Prediction Models for Cancer Risk and Prognosis (R01) and (R21)

PA-10-025 and PA-10-026

National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages research applications from clinicians, epidemiologists, geneticists, statisticians, and translational researchers working in the field of cancer control and prevention to improve existing models for cancer risk and prognosis by developing innovative research projects that use existing data; develop new models for cancer risk and prognosis; and validate new models and evaluate their utility in research and clinic settings. To explore this opportunity, the NCI Division of Cancer Control and Population Sciences (DCCPS) and the Division of Cancer Treatment and Diagnosis (DCTD) encourage applications for research projects to develop, apply, and evaluate new and existing cancer risk and prognostic prediction models for use by researchers, clinicians, and the general public. This FOA is designed to provide a mechanism of support for investigators to address two major challenges in model development, which are: integrating diverse types of data (e.g.,

clinical, demographic, pathologic, environmental, epidemiologic, outcomes, and genetic data from varied data marts or warehouses); and ensuring adequate validation (i.e., using multiple separate populations to define sensitivity, specificity, and positive and negative predictive values).

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-025.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-026.html>

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

Resource Program Grants in Bioinformatics (P41)

PAR-08-180

Eunice Kennedy Shriver National Institute of Child Health and Human Development

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

Amount: \$8,750,000

LOI: N/R

Deadline: standard dates apply

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

Key Words: **Bioinformatics**

Biomedical Technology

Bioengineering Research Partnerships (BRP)[R01]

New

PAR-07-352

National Institutes of Health (NIH)

multiple institutes

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-07-352.html>

Key Words: **Bioengineering**

NIBIB Biomedical Technology Resource Centers (P41)

New

PAR-10-153

National Institute of Biomedical Imaging and Bioengineering (NIBIB)

This FOA issued by the National Institute of Biomedical Imaging and Bioengineering (NIBIB), National Institutes of Health (NIH), encourages grant applications for Biomedical Technology Resource Centers (BTRCs) that are funded using the P41 mechanism.

BTRCs conduct research and development on new technologies that are driven by the needs of basic, translational, and clinical researchers. BTRCs also make their technologies available, train members of the research community in the use of the technologies, and disseminate these technologies broadly.

Amount: \$3,500,000

LOI: 30 days prior to each submission date

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-153.html>

Key Words: **Bioimaging**

Research Opportunities in Materials Science

New

NNH10ZTT001N

National Aeronautics and Space Administration (NASA)

Proposals are solicited by the Exploration Systems Mission Directorate (ESMD) Advanced Capabilities Division for hypothesis-driven materials science research investigations in the following areas: thermophysical data, microstructural development and morphological evolution.

Amount: unspecified

LOI: April 30, 2010

Deadline: invited proposals: July 8, 2010

To learn more: <http://nspires.nasaprs.com>

Key Words: **Material Science**

Association of Public Health Laboratories (APHL)

CDC-RFA-HM10-1001

U.S DEPARTMENT OF HEALTH AND HUMAN SERVICES

Centers for Disease Control and Prevention (CDC)

Association of Public Health Laboratories (APHL)

The purpose of the program is to enhance the work of public health laboratories in the U.S. and abroad. The program aims to promote quality public health laboratory practice, improve public health laboratory infrastructure, strengthen the public health laboratory system, and to develop a well-trained public health laboratory workforce in the U.S. and globally. It also aims to ensure laboratory preparedness for emerging infectious diseases or other biologic and chemical public health threats, promote technology transfer to ensure up-to-date technologies for the testing laboratory, and enhance communication linkages between state and local public health laboratories and the clinical laboratory testing community.

Amount: \$30,000,000

LOI: N/R

Deadline: April 23, 2010

To learn more:

<http://www07.grants.gov/search/search.do;jsessionid=nQnTLpJSSmdNJQRt1vQm5pvQPQ1n92n0JTcjinCqQywb9bjTSvS7X!-902325693?oppld=52458&mode=VIEW>

Key Words: **National Public Health Laboratory, Emergency Preparedness, Environmental Health, Food Safety, Global Health, Infectious Diseases, HIV/AIDS, TB, STDs, Viral Hepatitis, Influenza, Informatics, Laboratory Systems and Standards, Newborn Screening and Genetics,**

Continued Development and Maintenance of Software (R01)

PAR-08-010

NIH, Multiple Institutes and Centers

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

Amount: \$250,000

LOI: N/R

Deadline: Multiple, see announcement

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

Key Words:

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

PA-08-071

NIH

The NIH Blueprint for Neuroscience Research is a framework to enhance cooperative activities among the NIH Office of the Director and 15 NIH Institutes and Centers that support research on the nervous system. This Funding Opportunity Announcement (FOA) is released in affiliation with the Neuroscience Blueprint, with Institutes and Centers participating independently, and with participation by Institutes and Centers that are not part of the Blueprint. This FOA encourages the translation of technologies for brain or behavioral research from academic and other non-small business research sectors to the marketplace. Solicited from Small Business Concerns

(SBCs) are Small Business Innovation Research (SBIR) grant applications that propose to further develop, make more robust, and make more user-friendly such technologies in preparation for commercial dissemination. It is expected that this activity will require partnerships and close collaboration between the original developers of these technologies and SBCs, which may be accomplished in any of a number of ways, including the use of multiple principle investigators.

Amount: varies

LOI: N/R

Deadline: continuous, see listing

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

Key Words:

Correlative Studies with Specimens from Multi-Site Trials (R21) [PA-08-133] and (R01) [PA-08-134]

PA-08-133 and PA-08-134

NIH

This Funding Opportunity Announcement (FOA) is intended to support translational correlative studies that utilize annotated tumor and/or other biospecimens collected during large-scale multi-institutional clinical and/or prevention trials, respectively. The Cancer Therapy Evaluation Program (CTEP), the Cancer Diagnosis Program (CDP), and the Cancer Biomarkers Research Group (CBRG) of the NCI are cooperatively sponsoring this FOA with the overarching goal to facilitate predictions of responses to current interventions, and inspire future development of improved therapeutic and preventive strategies. Projects proposed in response to this FOA should address the correlations between intervention outcomes and cancer patients' disease characteristics determined at various cellular/molecular levels. For example, disease progression patterns may be correlated with tumor genotypic and/or phenotypic profiles (at the levels of the genome, epigenome, gene expression and/or protein and non-protein molecular markers. This FOA will only support studies that use tumor specimens linked to specific interventions/trials. To be able to achieve these translational goals, the proposed projects are expected to rely on interactions between basic researchers and clinical investigators, in order to improve future drug development and interventions.

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

LOI: N/R

Deadline: Standard dates apply

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

Key Words:

Improvements to Biological Research Collections (BRC)

NSF 09-548

National Science Foundation (NSF)

Directorate for Biological Sciences

Division of Biological Infrastructure

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

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

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

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

LOI: N/R

Deadline: Fourth Friday in July, Annually

To learn more: http://www.nsf.gov/pubs/2009/nsf09548/nsf09548.htm?govDel=USNSF_25

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

Living Stock Collections for Biological Research (LSCBR)

NSF 09-550

National Science Foundation (NSF)

Directorate for Biological Sciences

Division of Biological Infrastructure

The Living Stock Collections for Biological Research (LSCBR) program supports improvements in and partial operation of existing collections of living organisms (including viruses and bacteriophages) to be used in basic biological research. The program provides support for two types of projects. Short-term projects are one-time awards (up to 36 months) leading to innovative handling of living

stocks or to well-defined improvements in existing collections, including those not otherwise supported by LSCBR. Longer-term projects (up to 60 months) help support ongoing operation of collections significant to the NSF research community. Collections receiving longer-term support are expected to receive significant support from user fees or other mechanisms of revenue generation.

Amount: varies

LOI: N/R

Deadline: July 7, 2010, July 6, 2011

To learn more: http://www.nsf.gov/pubs/2009/nsf09550/nsf09550.htm?govDel=USNSF_25

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

Doctoral Dissertation Improvement Grants in the Directorate for Biological Sciences

NSF 08-564

National Science Foundation

The National Science Foundation awards Doctoral Dissertation Improvement Grants in selected areas of the biological sciences. These grants provide partial support of doctoral dissertation research to improve the overall quality of research. Allowed are costs for doctoral candidates to participate in scientific meetings, to conduct research in specialized facilities or field settings, and to expand an existing body of dissertation research.

Amount: varies

LOI: N/R

Deadline: Third Friday in November, Annually

To learn more: http://www.nsf.gov/pubs/2008/nsf08564/nsf08564.htm?govDel=USNSF_25

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

Bioengineering Research Grants (BRG)[R01]

PA-06-419

National Institutes of Health (NIH), multiple institutes

The BRGs support multi-disciplinary research performed in a single laboratory or by a small number of investigators that applies an integrative, systems approach to develop knowledge and/or methods to prevent, detect, diagnose, or treat disease or to understand health and behavior. A BRG application may propose hypothesis-driven, discovery-driven, developmental, or design-directed research.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-06-419.html>

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

Advancing Regulatory Science through Novel Research and Science-Based Technologies (U01)

RFA-RM-10-006

National Institutes of Health (NIH)

U.S. Food and Drug Administration (FDA)

This FOA, issued by the National Institutes of Health, encourages applications from institutions/organizations that propose to study the applicability of novel technologies and approaches towards the development and regulatory review of medical products (including drugs, biologics, and devices). This regulatory science initiative will foster the development, evaluation and availability of new or improved tools, methods, standards, and applied science that support a better understanding and improved evaluation of product safety, quality, effectiveness, and manufacturing throughout the product life cycle. This area of science has knowledge gaps that deserve special emphasis and would benefit from strategic coordination and planning by NIH and FDA. Advances in this area depend on the incorporation of cutting-edge science and evidence-based knowledge into regulatory decision making. Support through this FOA for regulatory science research will facilitate the translation of biomedical discoveries to improve prevention, treatment, and diagnosis of human health problems.

Amount: \$1,125,000

LOI: March 27, 2010

Deadline: April 27, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-10-006.html>

Key Words: **Drugs, Biologics, Devices, FDA, Medical Product Development and Evaluation**

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

PAR-10-141 and PAR-10-142

National Institutes of Health (NIH)

National Science Foundation (NSF)

The goal of this funding opportunity announcement, issued by the National Institutes of Health and the National Science Foundation, is to stimulate quantitative and physical scientists to work with biomedical scientists to transform technological innovation and basic knowledge in the quantitative sciences into new or improved devices or systems for health care.

Amount: varies

LOI: April 18, 2010; April 18, 2011; April 18, 2012

Deadline: May 18, 2010; May 18, 2011; May 18, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-141.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-142.html>

Key Words: **Medical Devices**

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

PA-10-122

National Institutes of Health (NIH)

multiple institutes

The primary objectives of the SHIFT SBIR initiative are: (1) to foster research that is translational in nature and (2) to transform academic scientific discoveries into commercial products and services. Academic researchers can be a driving force for new products and services in a small business concern (SBC). A major feature of the SHIFT program includes the requirement for an investigator who is primarily employed by a United States research institution at the time of application to transition to a small business concern (SBC) and be primarily employed (more than 50% time) by the SBC by or at the time of award. A SHIFT SBIR grant enables an SBC to increase both its scientific research staff and its core competencies. The Project Director/Principal Investigator (PD/PI) may also facilitate SBC licensing of intellectual property (IP) from the PD/PI's prior academic institutions, promote collaboration opportunities with academic investigators, and enable better access to academic resources.

Amount: up to \$2,250,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-122.html>

Key Words: **Translational Research**

Bioengineering Research Grants (BRG)(R01)

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

PA-10-009 and PA-10-010

National Institutes of Health (NIH)

multiple agencies

Participating Institutes and Centers of the NIH invite applications for R01 awards to support Bioengineering Research Grants (BRGs) for basic and applied multi-disciplinary research that addresses important biological, bioengineering or medical research problems. The BRGs support multi-disciplinary research performed in a single laboratory or by a small number of investigators that applies an integrative, systems approach to develop knowledge and/or methods to prevent, detect, diagnose, or treat disease or to understand health and behavior. A BRG application may propose hypothesis-driven, discovery-driven, developmental, or design-directed research.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-009.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-010.html>

Key Words: **Bioengineering, Technology**

Predictive Multiscale Models of the Physioeme 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 physioeme. The specific objectives are to develop multiscale models that are physiologically mechanistic and biomedically relevant, to bring together modeling and biomedical expertise to collaborate on building models, to validate and test models with standard datasets, and to develop models that can be explicitly shared with other modelers.

Amount: varies

LOI: Nonrequired letters of intent are due by April 14 and August 16, 2010

Deadline: 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**

NIDCD Research Core Centers (P30)

PAR-10-077

National Institute on Deafness and Other Communication Disorders (NIDCD)

The NIDCD P30 Core Center grant contains one or more research-serving cores, providing centralized resources and facilities for funded R01 research projects. Although no funds are provided for direct support of research projects, a P30 helps to integrate and promote research in existing funded projects, and may include multi-disciplinary and regional collaborations. A Core Center must be an identifiable organizational unit either within a single grantee institution or representing a consortium of cooperating institutions (e.g., geographic or web-based). The Center may serve as an intellectual hub to stimulate cooperative research, to increase the effectiveness, capabilities or productivity of current research, and/or to promote new research directions through collaborations. Individual research cores of the Core Center may provide for sharing technical expertise or centralizing labor-intensive tasks common among several investigators (PD/PIs); staffing, training and maintenance of shared equipment or resources, including tools or staffing to enhance activities such as recruitment databases for clinical projects; or problem-solving through innovative technical solutions using the most current methodologies. NIDCD P30 funds do not provide patient services, or support unfunded pilot studies, or facilitate research other than for funded user projects, unless directly related to advancing the potential of the Core Center itself. A P30 may provide benefits to other core centers or the larger community through sharing data or technology.

Amount: \$2,500,000

LOI: 30 days before application receipt dates

Deadline: June 1, 2010, October 1, 2010, February 1, 2011, June 1, 2011, September 30, 2011, February 1, 2012, June 1, 2012, October 1, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-077.html>

Key Words: **Shared Equipment, Resource Cores, Communication Disorders**

Advanced Neural Prosthetics Research and Development (U01)

PA-09-063

National Institute of Neurological Disorders and Stroke (NINDS)

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

National Institute of Biomedical Imaging and Bioengineering (NIBIB)

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

Amount: \$5,000,000

LOI: N/R

Deadline: Standard dates apply

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

Key Words: **Neural Prosthetics**

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

PA-10-023 and PAR-10-024

National Institute of Mental Health (NIHM)

National Institute on Aging (NIA)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

National Institute of Biomedical Imaging and Bioengineering (NIBIB)

National Institute on Drug Abuse (NIDA)

This Funding Opportunity Announcement (FOA) invites research grant applications from organizations/institutions that propose the development of novel radioligands for positron emission tomography (PET) or single photon emission computed tomography (SPECT) imaging in human brain, and that incorporate pilot or clinical feasibility evaluation in pre-clinical studies, model development, or clinical studies.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-023.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-024.html>

Key Words: **PET, SPECT, radioligands, Small Business Innovation Research (SBIR [R43/R44])**

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

PAR-10-075 and PAR-10-076

National Institute of General Medical Sciences (NIGMS)

This FOA issued by the National Institute of General Medical Sciences (NIGMS), National Institutes of Health, encourages grant applications from institutions/organizations that propose to develop novel technologies that will significantly improve the accuracy of comparative modeling methods for protein structure prediction.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-075.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-10-076.html>

Key Words: **Protein Structure Prediction, Modeling, X-ray Crystallography, Protein Sequencing**

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**

Team-Based Design in Biomedical Engineering Education (R25)

PAR-10-140

National Institute of Biomedical Imaging and Bioengineering (NIBIB)

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

This FOA, issued by the National Institute of Biomedical Imaging and Bioengineering (NIBIB) and the Eunice K. Shriver National Institute of Child Health and Human Development (NICHD), encourages applications from institutions that propose to establish new or to enhance existing team-based design courses in undergraduate Biomedical Engineering departments or programs. This FOA targets undergraduate students at the senior level but may also include junior undergraduates and first-year graduate students. Courses that address innovative and/or ground-breaking development, multidisciplinary/interdisciplinary training, and diversity recruitment are especially encouraged.

Amount: \$200,000

LOI: April 19, 2010; April 18, 2011; April 18, 2012

Deadline: May 18, 2010; May 18, 2011; May 18, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-140.html>

Key Words: **Biomed Engineering**

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**

New Approaches to Arrhythmia Detection and Treatment (SBIR [R43/R44]) and (STTR [R41/R42])

PA-10-117 and PA-10-118

National Heart, Lung, and Blood Institute (NHLBI)

This Funding Opportunity Announcement (FOA) encourages Small Business Innovation Research (SBIR) grant applications from small business concerns (SBCs) that propose to improve our ability to detect, prevent, and treat all forms of cardiac arrhythmias. This initiative encourages SBCs to develop improved diagnostic and therapeutic tools, products, or devices for cardiac arrhythmia monitoring, detection and treatment.

Amount: up to \$1,200,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-117.html>

Key Words: **Cardiac Arrhythmia**

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

PAR-10-033 and PAR-10-034

National Heart, Lung, and Blood Institute (NHLBI)

This FOA issued by the National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health (NIH), encourages research grant applications from investigators who propose to study topics that will determine blood banking and transfusion practice.

Amount: \$275,000 and up

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-033.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-10-034.html>

Key Words: **Blood Banking, Transfusion**

New 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:

Research Education Program for Laboratory Animal Medicine Veterinarians (R25)

RFA-RR-10-002

National Center for Research Resources (NCRR)

This funding opportunity announcement issued by the National Center for Research Resources (NCRR), National Institutes of Health (NIH), solicits Research Education Grant (R25) applications to provide research education for veterinarians interested in pursuing a career in Laboratory Animal Medicine. The objective is to prepare veterinarians to be competent and proficient in the field of Laboratory Animal Medicine in support of biomedical investigations with emphasis on performing collaborative research, and development and maintenance of animal models in support of translational research activities.

Amount: \$560,000

LOI: N/R

Deadline: May 13, 2010

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

Key Words: **Veterinarians, Laboratory Animal Medicine**

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

PA-10-138

National Center for Research Resources (NCRR)

This funding opportunity announcement (FOA) issued by NCRR, National Institutes of Health, encourages research grant applications from institutions/ organizations that propose to develop, characterize or improve animal models for human disease or to improve diagnosis and control diseases of laboratory animals that may interfere with research. Models to be considered must be applicable to the research interests of two or more categorical NIH Institutes/Centers. Investigators considering applying are strongly encouraged to consult with NCRR program staff as early as possible to be advised whether this FOA is appropriate. Proposals to develop models that would not have broad applications, but would apply only to a specific disease or category of research, should be proposed to the appropriate categorical institute of the National Institutes of Health (NIH), e.g., models or model systems with primary focus on cancer or heart diseases should contact those categorical institutes at NIH to discuss alternative funding opportunities.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-138.html>

Key Words: **Animal Models of Disease**

Centers of Biomedical Research Excellence (COBRE) (P20)

PAR-09-079

National Center for Research Resources (NCRR)

The National Center for Research Resources (NCRR) of the NIH invites applications for Centers of Biomedical Research Excellence (COBRE) from investigators at biomedical research institutions that award doctoral degrees in the health sciences or sciences related to health or at independent biomedical research institutes within Institutional Development Award (IDeA) eligible states. The objective of the COBRE initiative is to strengthen an institution's biomedical research infrastructure through the establishment of a thematic multi-disciplinary center and to enhance the ability of investigators to compete independently for complementary National Institutes of Health (NIH) individual research grant or other external peer-reviewed support. COBRE awards are supported through the IDeA Program, which aims to foster health-related research by increasing the competitiveness of investigators at institutions located in states with historically low aggregate success rates for grant awards from the NIH.

Amount: \$7,500,000

LOI: January 2, 2011

Deadline: February 1, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-079.html>

Key Words: **Infrastructure**

Renewal of Centers of Biomedical Research Excellence (COBRE) [P20]

PAR-09-180

National Center for Research Resources (NCRR)

The National Center for Research Resources (NCRR) of the NIH invites applications for renewal (competing continuation) of eligible Centers of Biomedical Research Excellence (COBRE) grants. The objective of the COBRE initiative is to strengthen an institution's biomedical research infrastructure through the establishment of a thematic, multi-disciplinary center and to enhance the ability of investigators to compete independently for National Institutes of Health (NIH) individual research grants or other external peer-reviewed support. COBRE awards are supported through the Institutional Development Award (IDeA) Program, which aims to foster health-related research by increasing the competitiveness of investigators at institutions located in states with historically low aggregate success rates for grant awards from the NIH.

Amount: \$2,200,000

LOI: N/R

Deadline: September 22, 2010, September 22, 2011

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

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

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

PAR-08-147

National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA) is intended to support clinical trials conducting preliminary evaluation of the safety and efficacy of imaging agents, as well as an assessment of imaging systems, image processing, image-guided therapy, contrast kinetic modeling, and 3-D reconstruction and other quantitative tools. The rapid translation of promising discoveries in the fields of imaging probes, methodologies, technologies and image-guided therapies to clinical practice requires timely support. This FOA will provide investigators with support for either pilot (Phase I and II) cancer clinical trials, or patient monitoring and laboratory studies. The imaging and Image-guided Intervention (IGI) studies, if proven successful in these early clinical trials, can then be validated in larger studies through competitive R01 mechanisms, or through clinical trials in the Specialized Programs of Research Excellence (SPOREs), Cancer Centers and/or Cooperative Groups.

Amount: \$250,000

LOI: N/R

Deadline: April 9, 2010; August 11, 2010; December 10, 2010; April 11, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-147.html>

Key Words: **Imaging Agents, Contrast Modeling, Probes**

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

RFA-CA-10-002 and RFA-CA-10-001

National Cancer Institute (NCI)

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

Amount: \$900,000

LOI: April 27, 2010; August 30, 2010

Deadline: May 27, 2010; September 30, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-10-002.html> and <http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-10-001.html>

Key Words: **Biospecimens, Tumor**

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

RFA-CA-10-003 and RFA-CA-10-004

National Cancer Institute (NCI)

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

Amount: \$275,000

LOI: April 27, 2010; August 30, 2011

Deadline: May 27, 2010; September 30, 2011

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

Key Words: **Biospecimens, Tumor**

Innovative Technology Development for Cancer Research (R21)

RFA-CA-10-005

National Cancer Institute (NCI)

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

Amount: \$500,000

LOI: April 27, 2010; August 30, 2012

Deadline: May 27, 2010; September 30, 2012

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

Key Words: **Biospecimens, Tumor**

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

PAR-10-126

National Cancer Institute (NCI)

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

Amount: varies

LOI: May 15, 2010, May 15, 2011, May 15, 2012

Deadline: June 15, 2010, June 15, 2011, June 15, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-126.html>

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

Autonomous Robotic Manipulation Software Track (ARM-S)

Broad Agency Announcement (BAA)

DARPA-BAA-10-28

Information Processing Techniques Office (IPTO)

Defense Advanced Research Projects Agency (DARPA)

DARPA seeks innovation to advance the capability of autonomous robotic mobile manipulation. Many systems utilize manipulators to perform tasks with direct manipulator control by human operators who are in a remote location. Often, a manipulator is located on a mobile platform such as a ground robotic vehicle, underwater vehicle, or space vehicle. The envisioned DARPA Autonomous Robotic Manipulation (ARM) program will develop autonomous capabilities for mobile manipulators that improve task performance while, at the same time, removing direct human control. The envisioned Software Track will develop software for grasping, manipulation, and mobile manipulation. It is also envisioned the Software Track will run in parallel with a Hardware Track, and described under a separate BAA contemplated for release at a later date.

Amount: \$1,250,000

LOI: March 19, 2010

Deadline: August 2, 2010

To learn more: https://www.fbo.gov/download/43d/43d6de2bf57c65d9f342d499d5442d2f/DARPA-BAA-10-28_ARM-Software_02Feb10.pdf

Key Words: **Robotics**

International Research in Homeland Security Science & Technology Projects

DHS-I0-ST-I08-001

Department of Homeland Security (DHS)

Science & Technology Directorate (S&T)

S&T's Chemical and Biological Division is conducting analyses to characterize and prioritize threats. It develops detection systems to provide early warning of a possible attack so as to minimize exposure and speed treatment of victims, conducts forensic analyses to support attribution, and works with our Federal partners who have lead responsibilities in decontamination and restoration, agrodefense, and food security.

Areas of interest for research identified by this Division include:

- Bioforensics
- Next-generation bioassays
- Chemical decontamination
- Foreign animal disease vaccines & diagnostics
- Next-generation biodetection

High-priority technology needs identified by this Division include:

- Tools to detect and mitigate animal disease breakouts
- Improved tools for integrated chemical, biological, radiological, and nuclear (CBRN) risk assessment
- Incident characterization capability for response and restoration
- Improved chemical and biological forensic analysis capability
- Consequence assessments of attacks on chemical facilities and ChemBio attacks on other critical infrastructure
- Integrated chemical, biological, radiological, nuclear, and explosive CBRNE sensor reporting capability
- Handheld rapid biological and chemical detection systems
- Detection paradigms and systems for enhanced, emerging and novel biological threats

Amount: \$750,000

LOI: N/R

Deadline: September 10, 2010

To learn more:

<http://www07.grants.gov/search/synopsis.do;jsessionid=2PP1K9LcJx0pSmV0IyjL8SfDpBqhT2WG2vcNGZLdLHyYYf0In1tWl-1163459943>

Key Words: **Next Generation, Bioassays**

Histology for Interface Stability over Time (HIST)

DARPA-BAA-10-32

Defense Advanced Research Projects Agency (DARPA) Microsystems Technology Office (MTO)

DARPA seeks to understand the failure mechanisms for in-vivo neural recording interfaces. This will involve thorough tissue assessment using current and potential materials and designs. Ultimately, DARPA desires to develop predictive models of failure, robust indicators of interface reliability, repeatable insertion methodologies, and high-throughput biological test techniques.

Amount: unspecified

LOI: April 6, 2010

Deadline: June 4, 2010

To learn more: <http://www.grants.gov/search/search.do;jsessionid=N3fBLX2Jr391nc2bWdvGhLfCjBc2G2nSvKpJ1JJprcJTlImwyQlq-1428305969?mode=VIEWREVISIONS&revNum=0>

Key Words: **Neural Recording, Failure, Signal Degradation**

Travel Grants

Boehringer Ingelheim Fonds (BIF) - Foundation for Basic Research in Biomedicine

Travel Grants are available to junior researchers pursuing experimental projects in basic biomedical research. To learn clearly-defined methods useful for your ongoing research and the work of your research group at home by visiting another laboratory, or by attending research-orientated courses which include practical training.

Amount: 3 months support

LOI: N/R

Deadline: Continuous

To learn more: http://www.bifonds.de/cgi-bin/show.pl/travel_grants/travel_grants.html?sid=iw5d2ei4y1oz8takvjsb4dr4i0a3hoe4

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

Advances in Bioscience for Airmen Performance

BAA-09-02-RH

Air Force Research Laboratory, Human Effectiveness Directorate, Biosciences and Performance Division (AFRL/RHP)

The 711th Human Performance Wing, Human Effectiveness Directorate is soliciting white papers under this announcement for innovative science and technology projects to support advanced bioscience research. Specifically, the Biosciences and Performance

Division is seeking unique and innovative research concepts that address its technical mission areas. Research is sought primarily in the following four technical areas: 1) Applied Biotechnology, 2) Biobehavioral Performance, 3) Biomechanics, and 4) Counter proliferation.

- 1) Applied Biotechnology - Goal is to develop and exploit advances in biotechnology and associated nanotechnologies to enhance performance and situational awareness of the force.
- 2) Biobehavioral Performance – Goal is to develop bio-based methods and techniques to sustain and optimize airmen’s cognitive performance.
- 3) Vulnerability Analysis – Goal is to rapidly identify human threat conditions, and sustain/expand Airmen performance in stressful environments. It includes research in physical and physiological biosignatures, neuroscience, anthropometry, biomechanics, human modeling, database networking, and data mining.
- 4) Counter proliferation – Goal is to improve the Air Force’s ability to locate, identify, track, target, and destroy biological warfare agents (BWA) and other weapons of mass destruction (WMD), as well as anticipate and mitigate WMD effects on AF operations.

Amount: Cost Plus

LOI: White Papers accepted until September 30, 2014

Deadline:

To learn more:

https://www.fbo.gov/index?s=opportunity&mode=form&id=411797fcc2260cb5d9ed346b3c139a4b&tab=core&_cvview=1&cck=1&au=&ck

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

Cancer and Blood

Planning Grants for Pivotal Clinical Trials in Hemoglobinopathies (R34)

New

RFA-HL-11-009

National Heart, Lung, and Blood Institute (NHLBI)

This FOA issued by the National Heart, Lung, and Blood Institute, National Institutes of Health, solicits Clinical Trial Planning Grant (R34) applications from institutions/organizations that propose to support the development of studies that will answer research questions essential for the design of robust clinical trials, in particular, Phase II and/or III clinical trials in the major hemoglobinopathies, sickle cell disease (SCD), and the thalassemias.

Amount: \$450,000

LOI: August 13, 2010

Deadline: September 14, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-11-009.html>

Key Words: **Thalassemia, Sickle Cell Disease, Hemaglobinopathies**

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

New

PAR-10-169

National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA) issued by the Cancer Imaging and Radiation Research Programs of the National Cancer Institute (NCI), National Institutes of Health (NIH), encourages applications from research partnerships formed by academic and industrial investigators to accelerate the translation of either animal or human in vivo imaging, image guided, and/or spectroscopic systems and methods designed to solve targeted cancer problems for cancer research, clinical trials, and/or clinical practice. The partners on each application will establish an inter-disciplinary, multi-institutional research team to work in a strategic alliance to implement a coherent strategy to develop and translate the proposed system or methods with potential for significant impact on preclinical, single, or multisite clinical studies. Partnerships must include at least one lead academic and one lead industrial organization large or small among their numbers. For either preclinical or clinical research, funding may be requested for limited additional copies of prototype systems and methods in order to optimize and validate them across different platforms and/or research sites. Each partnership is encouraged to plan to solve its choice of targeted cancer problem within the five year funding period. This FOA supports clinical trials that emphasize optimization and validation of the performance of imaging systems, including devices, agents and/or methods. It will not support commercial production.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-169.html>

Key Words: **in vivo Imaging, Cancer**

Paul Calabresi Career Development Award for Clinical Oncology (K12)

New

PAR-10-155

National Cancer Institute (NCI)

This funding opportunity announcement (FOA) issued by the National Cancer Institute (NCI) encourages applications for institutional research career development (K12) programs from applicant organizations that propose to promote the training and career development of translational and clinical trials researchers. The purpose of the Paul Calabresi Career Development Award in Clinical Oncology (PCACO) K12 (NIH Institutional Research Career Development K12 grant mechanism) is to increase the number of clinicians (M.D.s, D.O.s, Pharm.D.s) and basic research scientists (Ph.D.s. or equivalents) who are trained to design and administer hypothesis-based pilot/Phase I, Phase II, and Phase III cancer therapeutic clinical trials in team research settings. A PCACO can support the research career development of clinicians only (single-track program) or clinicians and Ph.D. basic research scientists (dual-track program). Clinical and basic research scientists will collaborate and interact to expedite the translation of basic science research discoveries into patient-oriented therapeutic cancer research. The PCACO is not intended to train laboratory-based scientists whose research will be primarily focused upon the use of animal or other model systems.

Amount: \$5,250,000

LOI: N/R

Deadline: June 10, 2010; June 10, 2011; June 11, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-155.html>

Key Words: **Cancer, Clinical Trial Researchers, Training**

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

New

PAR-10-165

National Cancer Institute (NCI)

The purpose of the CECDP is to support the development and implementation of institutional curriculum-dependent predoctoral/postdoctoral programs in the areas of cancer prevention and control, behavioral and population sciences research, nutrition, epidemiology, and/ or biostatistics.

Amount: \$500,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-165.html>

Key Words: **Educational Program Development, Cancer**

Children's Cancer Research Fund Annual Grant Program

New

Children's Cancer Research Fund

The Children's Cancer Research Fund, which provides support on a national level for clinical research in the field of childhood cancer, is accepting applications for its annual research grant program focused on the diagnosis, treatment, and side effects of therapy of childhood cancer.

The purpose of this grant program is to support investigators at the postdoctoral level (M.D. or Ph.D.) in the conduct of innovative pilot clinical studies that have the potential to develop new insights into clinical aspects of childhood cancer. Applications by senior fellows and junior faculty investigators are particularly encouraged.

The research proposal should be in the area of clinical pediatric cancer. Proposals addressing prognostic factors, diagnosis, innovative clinical therapeutic trials, minimal residual disease detection and treatment, and long-term effects of therapy and disease will be considered.

The principal investigator should be at a postdoctoral level (M.D. or Ph.D.). Senior fellows or junior faculty with or without limited funds, but showing a potential to successfully compete for federal grants, will be given priority. Applications from well-funded senior investigators will not be considered.

Amount: \$40,000

LOI: N/R

Deadline: June 16, 2010

To learn more: <http://www.ccrf-kids.org/research.htm>

Key Words: **Pediatric Cancer**

GPHRC Translational Research RFA

The Center for Clinical and Translational Research and Great Plains Health Research Consortium

UNMC's Center for Clinical and Translational Research (CCTR) has brought together regional institutions into a health research consortium, the "Great Plains Health Research Consortium" (GPHRC). The GPHRC has submitted a NIH Clinical and Translational Science Award (CTSA) proposal which hopes to speed research translation from "bench to bedside" and clinical trials into community-

wide applications. UNMC is sponsoring the first GPHRC Seed Grant program, with the primary intent being to bring together new research teams representing 2 or more GPHRC institutions to generate the pilot data needed to support a new extramural grant proposal within the next 1-3 years. Applications that address the health priority areas of the GPHRC as identified below will be given priority in review for this RFA:

- Health disparities including rural health disparities
- Cancer
- Obesity-Diabetes-Vascular Disease (inclusive of cardiovascular and all other types of vascular disease)
- Infectious Diseases
- Musculoskeletal Disease
- Neurologic and Psychobehavioral Disease
- Alcohol and Smoking Related Disease
- Transplantation

Amount: \$100,000

LOI: N/R

Deadline: May 1, 2010

To learn more: http://ctsa.unmc.edu/ew_library_file/GPHRC%202010%20RFP.doc

Key Words: **Health Disparities, Cancer, Obesity, Diabetes, Vascular Disease, Infectious Disease, Musculoskeletal Disease, Neurological and Psychobehavioral Disease, Alcohol and Smoking Related Disease, Transplantation**

Translational Grants

The American Brain Tumor Association

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

Amount: \$75,000

LOI: N/R

Deadline: January 8, 2011

To learn more: http://www.abta.org/Research_Progress/2010_Funding_Opportunities/294

Key Words: **Brain Tumor**

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**

Correlative Studies with Specimens from Multi-Site Trials (R21) [PA-08-133] and (R01) [PA-08-134]

PA-08-133 and PA-08-134

NIH

This Funding Opportunity Announcement (FOA) is intended to support translational correlative studies that utilize annotated tumor and/or other biospecimens collected during large-scale multi-institutional clinical and/or prevention trials, respectively. The Cancer Therapy Evaluation Program (CTEP), the Cancer Diagnosis Program (CDP), and the Cancer Biomarkers Research Group (CBRG) of the NCI are cooperatively sponsoring this FOA with the overarching goal to facilitate predictions of responses to current interventions, and inspire future development of improved therapeutic and preventive strategies. Projects proposed in response to this FOA should address the correlations between intervention outcomes and cancer patients' disease characteristics determined at various cellular/molecular levels. For example, disease progression patterns may be correlated with tumor genotypic and/or phenotypic profiles (at the levels of the genome, epigenome, gene expression and/or protein and non-protein molecular markers). This FOA will only support studies that use tumor specimens linked to specific interventions/trials. To be able to achieve these translational goals, the proposed projects are expected to rely on interactions between basic researchers and clinical investigators, in order to improve future drug development and interventions.

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

LOI: N/R

Deadline: Standard dates apply

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

Key Words:

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 granzyme, perforin, and serine proteases (granzymes).

Amount: varies

LOI: N/R

Deadline: Standard dates apply

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

Key Words:

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

PA-08-030 and PA-08-031

NIH

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

Amount: \$275,000 over 2 years

LOI: N/R

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

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

Key Words:

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

PA-08-063 and PA-08-064

NIH

The purpose of this Funding Opportunity Announcement (FOA) is to invite applications for research projects that will enhance understanding of human decision-making processes so that individuals can make more informed and satisfying choices regarding their health. The NCI encourages collaborations between researchers studying the processes of basic judgment and decision-making and researchers conducting cancer control investigations that will elucidate single-event decision-making processes, at the level of either the individual patient or health care provider. These decision-making processes are pertinent to cancer prevention, detection, treatment, survivorship, or end-of-life care. For the purpose of this initiative, a single-event decision is defined as a discrete decision made at a specific point in time.

Amount: varies

LOI: N/R

Deadline: continuous; see listing

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

Key Words:

Cancer Education Grants Program (R25)

PAR-08-120

NIH

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

Amount: \$330,000 annually

LOI: N/R

Deadline: September 7, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-120.html>

Key Words:

NCI Transition Career Development Award to Promote Diversity (K22)

PAR-08-047

NCI

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

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

LOI: N/R

Deadline: multiple, see listing

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

Key Words:

Research on Malignancies in the Context of HIV/AIDS (R21)

PA-07-454

National Institutes of Health (NIH)

The National Cancer Institute (NCI) and National Institute of Dental and Craniofacial Research (NIDCR) are accepting proposals for research that will advance our understanding of the risks, development, progression, diagnosis, and treatment of malignancies observed in individuals with an underlying HIV infection or AIDS. Through this funding opportunity announcement (FOA), the NCI and NIDCR seek to encourage research in areas such as the study of the etiologic factors, cofactors, pathogenesis, and consequences of HIV-associated malignancies in diverse populations. Research on non-AIDS defining malignancies in the context of HIV infection is also encouraged. The incidence of non-AIDS-defining malignancies (e.g., anal, skin, and lung cancers as well as Hodgkin's disease) appear to be increasing in the era of Highly Active Antiretroviral Treatment. This FOA extends to research efforts that will provide information on the clinical outcomes of such cancers in the HIV-infected population and identify specific contributions resulting from HIV infection for the development and pathogenesis of these cancers. Ultimately, such efforts could inform screening approaches and therapies targeted to the HIV-infected population.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

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

Key Words: AIDS

Cancer Biology, Cancer or Carcinogenesis, Molecular Epidemiology

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

PA-08-230 and PA-08-231

National Institute on Aging (NIA)

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

Amount: \$350,000

LOI: N/R

Deadline: standard dates apply

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

Key Words: **Aging, Cancer**

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

PA-09-122 and PA-09-121

National Institute of Nursing Research (NINR)

National Cancer Institute (NCI)

This funding opportunity announcement (FOA) issued by the National Institute of Nursing Research (NINR) and the National Cancer Institute (NCI), National Institutes of Health, seeks to stimulate research on the decision-making processes made by persons at risk for and those faced with life-threatening illness. These illnesses are ones that almost always lead to death in a fairly short period of time if left untreated, but may be chronic or even cured if dealt with early in the disease process. An example of a life-threatening illness that may be chronic for some years would be HIV infection when treated. An example of a life-threatening illness that may be cured in its early stages would be breast cancer. Decision-making can occur from the point of adopting preventive behaviors through the end of life. Examples of such decisions could include participating in an HIV vaccine clinical trial, testing for genetic disorder, choosing a treatment intervention vs. watchful waiting (as in early stage prostate cancer), choosing a treatment intervention among several options, joining a therapeutic clinical trial, or making end-of-life care decisions.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

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

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

Erythropoiesis: Components and Mechanisms (R01)

PA-09-255

National Institute of Diabetes and Digestive and Kidney Diseases

National Heart, Lung, and Blood Institute (NHLBI)

National Institute on Aging (NIA)

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

Amount: \$2,500,000

LOI: N/R

Deadline: Standard dates apply

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

Key Words: **Erythropoiesis**

Stimulating Hematology Investigation: New Endeavors (SHINE) (R01)

PAS-10-046

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

The Stimulating Hematology Investigation: New Endeavors (SHINE) program is intended to promote innovative, high quality hematology research relevant to the mission of The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK). In the SHINE program, NIDDK invites investigator-initiated research project grant applications in specific areas of basic and translational

hematology research where needs and opportunities for progress are particularly timely. Specific research topic areas supported by the SHINE program, as outlined below, will change over time and be up-dated annually through the NIH Guide to Grants and Contracts.

Ribosomes and Their Role in Disease

Non-erythroid Expression and Function of Erythropoietin Receptors

Heme Regulation during Erythropoiesis

Anemia of Inflammation and of Chronic Disease

Iron Overload

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAS-10-046.html>

Key Words: **Anemia, Blood, Iron**

Pilot and Feasibility Clinical Research Studies in Digestive Diseases and Nutrition (R21)

PA-09-151

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

National Cancer Institute (NCI)

National Institute of Nursing Research (NINR)

Office of Dietary Supplements, National Institutes of Health (ODS)

This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK); the National Cancer Institute (NCI); the National Institute for Nursing Research (NINR), and Office of Dietary Supplements (ODS) of the National Institutes of Health, encourages pilot and feasibility clinical and epidemiological research studies of new therapies or means of health promotion and prevention of digestive and liver diseases and nutritional disorders associated with digestive and liver diseases, including cancer.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

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

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

Common Pathogenetic Mechanisms of Lung Cancer and COPD (R01)

RFA-HL-11-002

National Heart, Lung, and Blood Institute (NHLBI)

National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA) issued by the National Heart, Lung, and Blood Institute and the National Cancer Institute, National Institutes of Health, solicits Research Project Grant (R01) applications from institutions/organizations to identify the fundamental etiopathogenetic commonalities between lung cancer and Chronic Obstructive Pulmonary Disease (COPD) in order to characterize: (a) the genotypic and phenotypic characteristics that determine individual susceptibility; and (b) the shared biochemical, molecular, and immunological pathways involved in the origin and progression of the two diseases.

Amount: \$2,340,000

LOI: May 18, 2010

Deadline: June 18, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-11-002.html>

Key Words: **Lung Cancer, COPD**

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

PAR-10-033 and PAR-10-034

National Heart, Lung, and Blood Institute (NHLBI)

This FOA issued by the National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health (NIH), encourages research grant applications from investigators who propose to study topics that will determine blood banking and transfusion practice.

Amount: \$275,000 and up

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-033.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-10-034.html>

Key Words: **Blood Banking, Transfusion**

Investigator Initiated Multi-Site Clinical Trials (Collaborative R01)

PAR-10-096

National Heart, Lung, and Blood (NHLBI)

The purpose of this Funding Opportunity Announcement is to provide a vehicle for submitting grant applications for investigator-initiated multi-site Phase II or Phase III randomized, controlled clinical trials. The trials may address any research question related to the mission and goals of NHLBI and may test clinical or behavioral interventions.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-096.html>

Key Words: **Clinical Trials**

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

PA-08-243 and PA-08-244 or PAR-08-245

National Cancer Institute

National Institute on Alcohol Abuse and Alcoholism

National Institute of Diabetes and Digestive and Kidney Diseases

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

Amount: varies

LOI: N/R

Deadline: standard dates apply

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

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

Stem Cells and Cancer (R21)

PA-08-165

National Cancer Institute

National Institute on Aging

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

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

LOI: N/R

Deadline: Standard dates apply

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

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

In Utero Exposure to Bioactive Food Components and Mammary Cancer Risk (R01) [PA-08-0140] In Utero Exposure to Bioactive Food Components and Mammary Cancer Risk (R21) [PA-08-0141]

PA-08-140 and PA-08-141

National Cancer Institute

National Institute of Environmental Health Sciences

Office of Dietary Supplements

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

Amount: varies

LOI: N/R

Deadline: standard dates apply

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

Key Words:

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

Biomarkers of Infection-Associated Cancers (R21) [PA-08-157]

PA-08-156 and PA-08-157

National Cancer Institute

National Institute of Dental and Craniofacial Research

This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI) and the National Institute of Dental and Craniofacial Research (NIDCR), of the National Institutes of Health (NIH), encourages the submission of Research Project Grant (R01) applications from institutions and organizations that propose to identify biomarkers for cancers where the etiology of the disease is attributed to infectious agents.

Amount: varies

LOI: N/R

Deadline: Multiple dates, see announcement

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

Key Words: **Biomarkers, Cancer Biology**

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

PA-10-035

National Cancer Institute (NCI)

Office of Dietary Supplements (ODS)

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-035.html>

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

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

PA-09-234 and PA-09-235

National Cancer Institute (NCI)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

Office of Dietary Supplements (ODS)

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

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

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

Investigational Nutrigenetic Studies for Cancer Prevention

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

PA-08-220 and PA-08-221

National Cancer Institute (NCI)

National Institute of Nursing Research (NINR)

Office of Dietary Supplements (ODS)

This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), the National Institute of Nursing Research (NINR), and the Office of Dietary Supplements (ODS), all of the National Institutes of Health (NIH), solicits applications for research projects that can combine information on individual genetic variations from the Human Genome and International HapMap Projects to stimulate small pilot dietary intervention studies. The overarching goal is to examine whether genetic variants can predict individual response to dietary components that alter cancer processes and modify individual 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**

Small Grants for Behavioral Research in Cancer Control (R03)

PA-09-003

National Cancer Institute (NCI)

National Institute of Nursing Research (NINR)

This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI) and the National Institute of Nursing Research (NINR), at the National Institutes of Health (NIH), is intended to provide support for either new investigators in cancer-related behavioral research, or investigators who want to refocus their research interests toward behavioral research in cancer control. The program is designed to facilitate the growth of a nationwide cohort of scientists with research experience in behavioral cancer control and design of public health interventions. Preliminary data for the proposed projects are not required. Overarching goals are to: (1) encourage new investigators to enter the field of behavioral research in cancer control and initiate their long-term career development aimed at becoming independent investigators in the field, and (2) support research on transfer of behavioral science knowledge into cancer control practice.

Amount: \$100,000

LOI: N/R

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-003.html>

Key Words: **Cancer, Cancer Prevention, Cancer Control**

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

PA-09-167 and PA-09-168

National Cancer Institute (NCI)

National Institute of Nursing Research (NINR)

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

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

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**

Specialized Programs of Research Excellence (SPOREs) in Human Cancer for Years 2010, 2011 and 2012 (P50)

PAR-10-003

National Cancer Institute (NCI)

National Institute of Dental and Craniofacial Research (NIDCR)

National Institute of Neurological Disorders and Stroke (NINDS)

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

Amount: \$12,500,000

LOI: April 20, 2010; August 21, 2010; December 20, 2010; April 20, 2011; August 20, 2011; December 20, 2011; April 22, 2012; August 20, 2012

Deadline: May 20, 2010; September 21, 2010; January 20, 2011; May 20, 2011; September 20, 2011; January 20, 2012; May 22, 2012; September 20, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-003.html>

Key Words: **Organ Specific Cancer, Translational**

Image-guided Drug Delivery in Cancer (R01)

PA-09-253

National Cancer Institute (NCI)

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

Amount: \$2,500,000

LOI: N/R

Deadline: Standard dates apply

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

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

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

PA-09-200 and PA-09-199

National Cancer Institute (NCI)

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

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

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

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

PA-09-197 and PA-09-198

National Cancer Institute (NCI)

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

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

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

Key Words: **Hematopoietic Cancers, Biomarkers**

Development, Application, and Evaluation of Prediction Models for Cancer Risk and Prognosis (R01) and (R21)

PA-10-025 and PA-10-026

National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages research applications from clinicians, epidemiologists, geneticists, statisticians, and translational researchers working in the field of cancer control and prevention to improve existing models for cancer risk and prognosis by developing innovative research projects that use existing data; develop new models for cancer risk and prognosis; and validate new models and evaluate their utility in research and clinic settings. To explore this opportunity, the NCI Division of Cancer Control and Population Sciences (DCCPS) and the Division of Cancer Treatment and Diagnosis (DCTD) encourage applications for research projects to develop, apply, and evaluate new and existing cancer risk and prognostic prediction models for use by researchers, clinicians, and the general public. This FOA is designed to provide a mechanism of support for investigators to address two major challenges in model development, which are: integrating diverse types of data (e.g., clinical, demographic, pathologic, environmental, epidemiologic, outcomes, and genetic data from varied data marts or warehouses); and ensuring adequate validation (i.e., using multiple separate populations to define sensitivity, specificity, and positive and negative predictive values).

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-025.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-026.html>

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

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**

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**

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**

Erythropoiesis Stimulating Agents and Tumor Progression

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

PA-09-023 and PA-09-024

National Cancer Institute (NCI)

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

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

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

Understanding the Effects of Emerging Cellular, Molecular, and Genomic Technologies on Cancer Health Care Delivery

[(R01) PA-09-004] and [(R21) PA-09-005]

PA-09-004 and PA-09-005

National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), National Institutes of Health (NIH), invites grant applications for health services research that address the utilization of emerging cellular, molecular, and genetic or genomic (CMG) technologies in cancer care. The studies will assess CMG technologies in relation to: (a) quality of care; (b) organizational barriers and change factors in utilization; (c) cost and cost-effectiveness; (d) disparities in access and efficacy; (e) monitoring of cross-sectional patterns of care and time trends; (f) impact on existing standards of care; and (g) influence on cancer outcomes such as incidence, progression, mortality, survival, and quality of life. This FOA specifically encourages research on commercially available CMG clinical tools already in use, as well as experimental tools in the later stages of development and/or in the regulatory approval pipeline. The funding opportunity also encourages interdisciplinary collaborations between health services researchers and those in the clinical and/or translational sciences.

Amount: varies

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-004.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-005.html>

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

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**

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

PAR-09-160 and PAR-09-161

National Cancer Institute (NCI)

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

Amount: \$275,000

LOI: N/R

Deadline: June 23, 2010; November 23, 2010; June 23, 2011; November 23, 2011

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

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

Small Grants Program for Cancer Epidemiology (R03)

PAR-08-237

National Cancer Institute (NCI)

This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), encourages the submission of Small Research Grant (R03) applications for research on cancer etiology and epidemiology. The overarching goal of this FOA is to provide support for pilot projects, testing of new techniques, secondary analyses of existing data, development and validation of measurement methods, linkage of genetic polymorphisms with other variables related to cancer risk, and development of innovative projects for more comprehensive research in cancer etiology and epidemiology.

Amount: varies

LOI: N/R

Deadline: July 23, 2010; November 19, 2010; March 18, 2011; July 22, 2011; November 18, 2011

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

Key Words:

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

PA-10-031 and PA-10-032

National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages research applications that propose to evaluate profiles of methylation, histone modifications and micro RNA (miRNA) and their association with risk of developing cancer in different populations. The overarching goal of this FOA is to provide support for population based studies to define the role of epigenetic markers (methylation, histone and micro RNA profiles) changes to understand cancer etiology.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-031.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-032.html>

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

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

RFA-CA-10-003 and RFA-CA-10-004

National Cancer Institute (NCI)

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

Amount: \$275,000

LOI: April 27, 2010; August 30, 2011

Deadline: May 27, 2010; September 30, 2011

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

Key Words: **Biospecimens, Tumor**

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

RFA-CA-10-002 and RFA-CA-10-001

National Cancer Institute (NCI)

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

Amount: \$900,000

LOI: April 27, 2010; August 30, 2010

Deadline: May 27, 2010; September 30, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-10-002.html> and <http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-10-001.html>

Key Words: **Biospecimens, Tumor**

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

PAR-09-162

National Cancer Institute (NCI)

This funding opportunity announcement (FOA), issued by the Center to Reduce Cancer Health Disparities (CRCHD) and the Division of Cancer Biology (DCB), at the National Cancer Institute (NCI), invites applications from investigators from diverse populations with interest in research projects focused on the basic biology of cancer. The NIH recognizes a unique and compelling need to promote diversity in the basic biology of cancer research workforce. The purpose of this FOA is to improve the diversity of the research workforce by supporting and recruiting eligible investigators from groups that have been shown to be underrepresented. This initiative will also provide a bridge to investigators that have completed their training and may need extra time to develop a full RO1 proposal. The NCI expects efforts to diversify the workforce to lead to the recruitment of the most talented researchers from all groups; to balance and broaden the perspective in setting research priorities; and to increase basic cancer researchers from diverse backgrounds.

Amount: \$275,000

LOI: May 23, 2010; October 23, 2010; May 23, 2011; October 23, 2011

Deadline: June 23, 2010; November 23, 2010; June 23, 2011; November 23, 2011

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

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

Innovative Technology Development for Cancer Research (R21)

RFA-CA-10-005

National Cancer Institute (NCI)

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

Amount: \$500,000

LOI: April 27, 2010; August 30, 2012

Deadline: May 27, 2010; September 30, 2012

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

Key Words: **Biospecimens, Tumor**

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

PAR-09-157

National Cancer Institute (NCI)

The Cancer Imaging Program, and the Division of Cancer Diagnosis and Treatment, at the National Cancer Institute (NCI), invites new or renewal (competing) applications for P50 Research Center Grants for In vivo Cellular and Molecular Imaging Centers (ICMICs). The program will fund the 5-year P50 ICMIC grants to support interdisciplinary scientific teams conducting cutting-edge cancer molecular imaging research. ICMIC funding is designed to: (1) support innovative cancer molecular imaging research projects; (2) support unique core facilities; (3) enable the awardees to initiate pilot research in new promising directions; and (4) provide interdisciplinary career development opportunities for investigators new to the field of molecular cancer imaging.

Amount: \$6,250,000

LOI: September 28, 2010; September 28, 2011

Deadline: October 28, 2010; October 28, 2011

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

Key Words: **Cancer Center, Imaging**

Etiology, Prevention, and Treatment of Hepatocellular Carcinoma (P01)

PAR-09-147

National Cancer Institute (NCI)

With this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI) invites grant applications that: (a) address the etiology and etiologic mechanisms of hepatocellular carcinoma (HCC); (b) propose development of animal models for HCC; (c) propose novel approaches to prevent HCC malignancy; (d) propose therapeutic or diagnostic tools for reliable prognostic indicators for HCC; and/or (e) develop therapeutic approaches to minimize morbidity and mortality associated with HCC in humans. The primary focus of the proposed projects must be on the basic biology, prevention, and/or treatment of liver cancer.

Amount: varies

LOI: April 28, 2010; August 28, 2010; December 28, 2010; and April 27, 2011

Deadline: May 28, 2010; September 28, 2010; January 28, 2011; and May 27, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-147.html>

Key Words: **Hepatocarcinoma**

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**

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**

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

PAR-09-026

National Cancer Institute (NCI)

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

Amount: varies

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

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

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

Key Words: **Cancer, Tumor Microenvironment**

National Cancer Institute Program Project (P01) Applications

PAR-09-025

National Cancer Institute (NCI)

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

Amount: varies

LOI: April 28, 2010; August 28, 2010; December 28, 2010; April 30, 2011; August 28, 2011

Deadline: May 28, 2010; September 28, 2010; January 28, 2011; May 27, 2011; September 28, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-025.html>

Key Words: **Cancer, Cancer Biology, Clinical Translational Research**

Cancer Prevention Research Small Grant Program (R03)

PAR-08-055

National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA) is designed to enhance the basic and applied cancer prevention research. The National Cancer Institute (NCI) invites applications that propose small and time-limited projects pertinent to the development of cancer chemoprevention agents, biomarkers for early cancer detection, cancer-related nutrition science, and/or clinical prevention studies that focus on specific target organs. Proposed projects may involve basic and/or translational research and/or human subjects-oriented research. However, treatment-related quality-of-life population-based studies, as well as projects focused on cancer etiology, metastasis, or treatment will be considered non-responsive to this FOA. New, as well as established, investigators in relevant fields and disciplines (e.g., chemoprevention, nutritional science, genetics, infectious agents, and early detection, including biomarker

development and validation) are encouraged to apply for these small grants to test the feasibility of innovative ideas or carry out pilot studies. Ultimately, these small grants are expected to facilitate the development of full research projects.

Amount: \$100,000

LOI: N/R

Deadline: July 19, 2010; December 09, 2010

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-055.html>

Key Words: **Cancer**

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

PA-10-088

National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), National Institutes of Health (NIH), encourages exploratory research on the role of nutrition in cancer prevention. Specifically, this FOA seeks to promote cancer prevention research to identify and characterize molecular targets for bioactive food components. For the purpose of this FOA, a bioactive food component is defined as a dietary constituent that has a health benefit by altering one or more cellular processes when provided in quantities over and beyond that needed for basic nutrition.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-088.html>

Key Words: **Molecular Targets, Food, Cancer**

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

PAR-10-126

National Cancer Institute (NCI)

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

Amount: varies

LOI: May 15, 2010, May 15, 2011, May 15, 2012

Deadline: June 15, 2010, June 15, 2011, June 15, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-126.html>

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

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**

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:

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: a) 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**

DoD Tuberous Sclerosis Complex Career Transition Award

W81XWH-10-TSCR-CARTA

DOD

Congressionally Directed Medical Research Programs (CDMRP)

The CARTA supports TSC researchers during the transition from postdoctoral training to an independent position. This award will cover up to two years of postdoctoral training followed by up to two years of a faculty-level position. Under this award mechanism, the postdoctoral candidate is considered the Principal Investigator (PI). DOD FY10 Tuberous Sclerosis Complex Career Transition Award 3 Important aspects of this award are as follows: • The award covers the last two years of a postdoctoral fellowship and the first two years of an independent faculty position. • Career transition and development plans must be clearly articulated. • A mentor must be named who will support and guide the PI during the postdoctoral period of the award. • All applications must include preliminary data relevant to TSC research and the proposed project. Clinical trials are not allowed under this award mechanism. PIs wishing to apply for funding for a clinical trial should utilize the Clinical Research Award mechanism.

Amount: \$338,000

LOI: April 29, 2010

Deadline: May 20, 2010

To learn more:

<http://www.grants.gov/search/announce.do?sessionId=ypQ1LX9VH6zyqVLFgTKd4CB6lzLJdQlxwNZJG6d3IDmJw5RLy9v4!1585175360>

Key Words: **TSC Management, Skin, Epigenetic Factors, Cardiac Involvement, Metabolic and Nutritional Effects, Tuberous Sclerosis**

FY10 Prostate Cancer Research Program (PCRP)

W81XWH-10-PCRP-HDRA

W81XWH-10-PCRP-HDTA

W81XWH-10-PCRP-LCTA

W81XWH-10-PCRP-PRTA

W81XWH-10-PCRP-PBRA

W81XWH-10-PCRP-PCTA

DOD
Congressionally Directed Medical Research Programs (CDMRP)
The mission of the Prostate Cancer Research Program is to fund research that will eliminate death and suffering from prostate cancer. Multiple awards are available please see website for details.
Health Disparity Research Award
Health Disparity Training Award
Laboratory - Clinical Transition Award
Physician Research Training Award
Population-Based Research Award
Prostate Cancer Training Award

Amount: maximum \$750,000

LOI: May 5, 2010

Deadline: May 26, 2010

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

Key Words: **Prostate Cancer, Health Disparity, Epidemiology, Treatment and Prevention of, Overtreatment of, Biomarkers, Staging and Grading, Progression of Disease**

FY10 Neurofibromatosis Research Program (NFRP)

W81XWH-10-NFRP-CTA
W81XWH-10-NFRP-IIRA
W81XWH-10-NFRP-IIFRA

DOD
Congressionally Directed Medical Research Programs (CDMRP)
The vision of the FY10 NFRP is to find and fund the best research to eradicate the clinical impact of NF. Toward this goal, the NFRP seeks to:

- Support innovative, high-impact research that will foster new directions for and address neglected issues in NF research,
- Sponsor multidisciplinary and multi-institutional collaborations that will bring new perspectives to the field,
- Foster the next generation of NF investigators,
- Promote translational and clinical studies to move promising ideas from bench to bedside,
- Develop a balanced portfolio of meritorious research related to all aspects of NF1, NF2, and Schwannomatosis.

Areas of Encouragement: The FY10 NFRP encourages research proposals that specifically address the critical needs of the NF community in the following areas:

- Complications of NF with high mortality such as neoplasms and cerebrovascular abnormalities;
- Complications of NF with high morbidity such as skeletal maladies, learning deficits, hormone-associated effects, and pain;
- Refinement and standardization of imaging techniques, molecular and cellular markers, and quality of life metrics for use in future clinical trials; and
- Translational research such as the development or preclinical testing of therapeutic agents for the treatment of NF.

Amount: up to \$900,000

LOI: April 29, 2010

Deadline: May 20, 2010

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

Key Words: **Neurofibromatosis**

FY10 Breast Cancer Research Program (BCRP)

Inter-Institutional Training Award

Concept Award

W81XWH-10-BCRP-IITA
W81XWH-10-BCRP-CA

DOD
Congressionally Directed Medical Research Programs (CDMRP)
The BCRP challenges the scientific community to design innovative research that will foster new directions for, address neglected issues in, and bring new investigators to the field of breast cancer research. The BCRP focuses its funding on innovative projects that have the potential to make a significant impact on breast cancer, particularly those involving multidisciplinary and/or multi-institutional collaborations. The BCRP encourages risk-taking research; however, all projects must demonstrate solid judgment and rationale.

Amount: \$75,000 for Concept Awards and \$1,000,000 for Inter-Institutional Training Awards

LOI: May 12, 2010

Deadline: May 26, 2010

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

Key Words: **Breast Cancer**

FY10 Bone Marrow Failure Research Program (BMFRP)

W81XWH-10-BMFRP-NIA

Department of Defense (DOD)

Congressionally Directed Medical Research Programs (CDMRP)

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

Amount: up to \$400,000

LOI: June March 11 for New Investigator Award

Deadline: June 10, 2010 for New Investigator Award

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

Key Words: **Bone Marrow Transplant, Failure, New Investigator**

DoD Breast Cancer Idea Award

W81XWH-10-BCRP-IDEA

Department of Defense (DOD)

Congressionally Directed Medical Research Programs

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

Amount: \$375,000-\$750,000

LOI: April 21, 2010

Deadline: May 5, 2010

To learn more: <http://www.grants.gov/search/announce.do;jsessionid=2r1LL09JTncbtqvLmdcbv1T894r2I4RYrsXPL3PMxh8mr5jkpnn!-243674431>

Key Words: **Breast Cancer**

Grant for Research into the Cause, Prevention and Treatment of Cancer

Charlotte Geyer Foundation

The Charlotte Geyer Foundation provides interim funding up to \$100,000 to researchers who have submitted an original R01 or R21 proposal to the National Cancer Institute and have not received a fundable score.

Amount: \$100,000

LOI: N/R

Deadline: July 15, Nov. 15, March 15

To learn more: <http://www.charlottegeyer.org/>

Key Words: **Cancer**

Mentored Research Scholar Grant in Applied and Clinical Research

ACS

Support mentored research by full-time faculty, typically within the first four years of their appointment, with the goal of becoming independent investigators in clinical, cancer control and prevention, epidemiologic, psychosocial, behavioral, health services and health policy research.

Amount: up to five years and for up to \$135,000 per year

LOI: N/R

Deadline: April 1 and October 15; annually

To learn more:

http://www.cancer.org/docroot/RES/content/RES_5_2x_Mentored_Research_Scholar_Grant_in_Applied_and_Clinical_Research.asp?sitearea=RES

Key Words:

Physician Training Awards in Preventive Medicine

ACS

This award is made to support primary care physicians with a rank of instructor to assistant professor who are pursuing an academic career with an emphasis on cancer control.

Amount: \$300,000

LOI: N/R

Deadline: April 1, annually

To learn more:

http://www.cancer.org/docroot/RES/content/RES_5_2x_Physician_Training_Awards_in_Preventive_Medicine.asp?sitearea=RES

Key Words:

Postdoctoral Fellowship

ACS

This award is to support the training of researchers who have just received their doctorate to enable them to qualify for an independent career in cancer research (including basic, preclinical, clinical, psychosocial, behavioral, and epidemiologic research).

Amount: one to three years with progressive stipends of \$40,000, \$42,000, and \$44,000 per year, plus a \$4,000 per year institutional allowance

LOI: N/R

Deadline: April 1 and October 15; annually

To learn more: http://www.cancer.org/docroot/RES/content/RES_5_2x_Postdoctoral_Fellowships.asp?sitearea=RES

Key Words:

AACR-FNAB Fellows Grant for Translational Pancreatic Cancer Research

American Association for Cancer Research (AACR)

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

Amount: \$35,000

LOI: N/R

Deadline: November 18, 2010

To learn more: <http://www.aacr.org/home/scientists/research-funding--fellowships/fellows-grants.aspx>

Key Words: **Pancreatic Cancer**

Complementary & Alternative Medicine (CAM)

Preliminary Clinical Studies in Preparation for Large Interventional Trials of Complementary and Alternative Medicine (CAM) Therapies (R34)

New

PAR-10-163

National Center for Complementary and Alternative Medicine (NCCAM)

The goal of this FOA, issued by the National Center for Complementary and Alternative Medicine, is to support early phase clinical research and development on high priority CAM interventions. This mechanism is intended to support the development of methodology and the preliminary data needed for planning and design of subsequent, larger randomized clinical trials, cluster randomized trials or cohort studies. This mechanism is not appropriate for support of randomized clinical trials to test or determine efficacy. It is appropriate for development of preliminary studies that will contribute to the design of either efficacy or real-world effectiveness studies.

Amount: \$450,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-163.html>

Key Words: **CAM Interventions, Alternative Medicine**

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:

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

PA-07-007

NIH

This Funding Opportunity Announcement (FOA) issued by the National Center for Complementary and Alternative Medicine (NCCAM), the National Cancer Institute (NCI), and the Office of Dietary Supplements (ODS), National Institutes of Health (NIH), encourages complementary and alternative medicine (CAM) and conventional researchers to carry out basic and/or preclinical research on CAM areas of special interest with an aim to understand the mechanisms of action of a CAM modality.

Amount: unspecified

LOI: N/R

Deadline: multiple (May 19, 2010)

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-045.html>

Key Words:

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

PA-09-075

National Institute of Mental Health (NIMH)

National Center for Complementary and Alternative Medicine

This Funding Opportunity Announcement (FOA), issued by the National Institute of Mental Health (NIMH) and the National Center for Complementary and Alternative Medicine (NCCAM), seeks to support collaborative preliminary intervention studies to evaluate the feasibility, tolerability, acceptability and safety of novel mechanism drug candidates, promising investigational new drugs (INDs), or novel psychosocial strategies for the treatment of mental disorders and for obtaining the preliminary data needed as a pre-requisite to larger-scale (efficacy or effectiveness) intervention or services studies. This FOA should be used when at least two but no more than three sites are needed to complete the study. The collaborating studies should be organized in order to increase sample size, accelerate recruitment, and/or increase sample diversity and representation. For a linked set of collaborative R34s, each site shall have its own Project Director/Principal Investigator and provide for a mechanism for cross-site coordination, quality control, database management, statistical analysis, and reporting.

Amount: \$450,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-075.html>

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

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

PA-09-002

National Institute of General Medical Sciences (NIGMS)

National Center for Complementary and Alternative Medicine (NCCAM)

National Institute on Aging (NIA)

National Institute of Mental Health

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

Amount: \$1,000,000

LOI: N/R

Deadline: standard dates apply

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

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

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

RFA-AT-10-002

National Center for Complementary and Alternative Medicine, (NCCAM/NIH)

The purpose of this Funding Opportunity Announcement (FOA) is to support and enhance research on the application and use of promising complementary/alternative/integrative medicine (CAM/IM) modalities or approaches in the setting of chronic pain. Specifically, this FOA encourages applications for Centers comprised of three or four synergistic, R01-comparable projects by multidisciplinary research teams focused on the basic, mechanistic, and/or translational research questions that must be addressed in order to better understand the optimal application and use of CAM/IM interventions for treating or ameliorating chronic pain.

Amount: \$6,250,000

LOI: July 13, 2010

Deadline: August 13, 2010

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

Key Words: **Pain Management**

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

PA-09-010

National Center for Complementary and Alternative Medicine (NCCAM)

National Cancer Institute (NCI)

Office of Dietary Supplements (ODS)

This Funding Opportunity Announcement (FOA) issued by the National Center for Complementary and Alternative Medicine (NCCAM), the National Cancer Institute (NCI), and the Office of Dietary Supplements (ODS), National Institutes of Health (NIH), encourages complementary and alternative medicine (CAM) and conventional researchers to carry out basic and/or preclinical research on CAM areas of special interest with an aim to understand the mechanisms of action of a CAM modality. -Mechanism of Support.

Amount: varies

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-010.html>

Key Words: **CAM, Alternative Medicine**

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

PA-09-167 and PA-09-168

National Cancer Institute (NCI)

National Institute of Nursing Research (NINR)

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

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

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

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

Cytomics

Large Scale Production of Perturbagen-Induced Cellular Signatures (U54)

RFA-RM-10-003

National Institutes of Health (NIH)

National Human Genome Research Institute (NHGRI)

National Heart Lung and Blood Institute (NHLBI)

This FOA seeks to establish a pilot-scale data production effort to systematize approaches for identifying mechanism-based associations among the effects of disparate biological perturbations, a knowledge base that can be used to study functional relationships among the responding cellular components. The Library of Integrated Network-Based Cellular Signatures (LINCS) program will support the high-throughput collection and integrative computational analysis of informative molecular activity and cellular

feature signatures generated in response to a variety of perturbing agents, including siRNAs and small bioactive molecules, which are applied to a set of carefully selected cell types. The resulting knowledge will form the basis of a long-lived resource that can be used broadly by the community. For example LINCS may inform association of disease states with detailed molecular or cellular phenotypes, and ultimately associate disease with specific gene networks, or inform the mechanism of action of known drugs. This FOA seeks to fund pilot-scale data production efforts that will produce a usable initial resource while addressing the following issues: optimization of methods, integration of data, and scalability. Pilot production efforts will interact with multiple future additional components (data analysis and informatics tools; and development and integration of new production-ready technologies) of the LINCS program.

Amount: \$4,200,000

LOI: April 1, 2010

Deadline: April 27, 2010

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

Key Words: **Cellular Signaling, Small Molecules**

Developmental Pharmacology (R03)

PAR-08-215

National Institutes of Health (NIH)

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

Amount: \$100,000

LOI: Optional letters of intent are due April 23, 2010

Deadline: May 21, 2010

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

Key Words: **Pharmacology**

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

PA-10-093 and PA-10-094

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-093.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-094.html>

Key Words: **Alcohol-Induced Tissue Injury**

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

PA-10-085 and PA-10-086

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-085.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-086.html>

Key Words: **Alcohol-Induced Tissue Injury**

Metals in Medicine (R01)

PA-08-251

National Institute of General Medical Sciences

National Cancer Institute

National Institute of Environmental Health Sciences

Office of Dietary Supplements

The objective of this Funding Opportunity Announcement (FOA), issued by the National Institute of General Medical Sciences (NIGMS), National Cancer Institute (NCI), National Institute of Environmental Health Sciences (NIEHS), and the Office of Dietary Supplements (ODS), National Institutes of Health is to encourage research that bridges the areas of inorganic chemistry and medicine. The mechanisms by which organisms control transition metal ions and the roles of these metals in cellular regulation and signaling in health and disease are of principal interest. The interactions of synthetic inorganic complexes with living systems and their components are an additional area of interest. These areas are linked by the need to involve researchers having a deep understanding of inorganic chemistry in medically relevant research. Much of the work is expected to involve collaborations including chemists, biologists, and medical researchers. The results will be relevant to understanding the mechanisms of metal handling by biological systems and the basic cellular roles underlying the nutritional requirement for essential metals. It is expected that this research will also contribute to the identification of new targets for drug discovery, diagnostics, and future therapeutic approaches involving metal complexes, although drug development, per se, is not a focus of the program.

Amount: varies

LOI: N/R

Deadline: standard dates apply

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

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

Next Generation Genetic Association Studies (U01)

RFA-HL-11-006

National Heart, Lung, and Blood Institute (NHLBI)

This FOA issued by the National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health, encourages applications from institutions or organizations that propose to utilize cellular reprogramming, molecular profiling, and genomics to investigate functional aspects of genetic variation in humans. NHLBI is soliciting a phased technology development and implementation program whose goal is to add a functional dimension to genomic studies by combining cellular reprogramming strategies with molecular profiling or cellular assays, followed by integration of this information with existing genotypic and clinical phenotypic data to assess how naturally occurring human genetic variation influences the activities of biological networks in cell-based models of disease. Since the design and conduct of such studies will require several areas of expertise, applicants are encouraged to include multiple PIs on the application. Mechanism of Support.

Amount: \$9,500,000

LOI: May 17, 2010

Deadline: June 15, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-11-006.html>

Key Words: **Molecular Profiling, Cellular Reprogramming**

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

PA-09-248

National Heart, Lung, and Blood Institute (NHLBI)

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

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-248.html>

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

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

PA-09-200 and PA-09-199

National Cancer Institute (NCI)

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

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

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

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

PA-09-197 and PA-09-198

National Cancer Institute (NCI)

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

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

Key Words: **Hematopoietic Cancers, Biomarkers**

Diabetes, Endocrine and Metabolism

AHRQ Small Research Grant Program (R03)

New

PA-10-168

Agency for Healthcare Research and Quality (AHRQ)

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

Amount: \$100,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-168.html>

Key Words: **Comparative Effectiveness Research, Prescription Drugs and Medicare, Arthritis and Non-Traumatic Joint Disorders, Cancer, Cardiovascular Disease, Stroke, Hypertension, Dementia, Alzheimer's Disease, Depression, Developmental Delays, ADHD, Autism, Diabetes, Infectious Diseases, HIV/AIDS, Obesity, Peptic Ulcer, Dyspepsia, Pregnancy, Pulmonary Disease/Asthma, Substance Abuse**

GPHRC Translational Research RFA

The Center for Clinical and Translational Research and Great Plains Health Research Consortium UNMC's Center for Clinical and Translational Research (CCTR) has brought together regional institutions into a health research consortium, the "Great Plains Health Research Consortium" (GPHRC). The GPHRC has submitted a NIH Clinical and Translational Science Award (CTSA) proposal which hopes to speed research translation from "bench to bedside" and clinical trials into community-wide applications. UNMC is sponsoring the first GPHRC Seed Grant program, with the primary intent being to bring together new research teams representing 2 or more GPHRC institutions to generate the pilot data needed to support a new extramural grant proposal within the next 1-3 years. Applications that address the health priority areas of the GPHRC as identified below will be given priority in review for this RFA:

- Health disparities including rural health disparities
- Cancer
- Obesity-Diabetes-Vascular Disease (inclusive of cardiovascular and all other types of vascular disease)
- Infectious Diseases
- Musculoskeletal Disease
- Neurologic and Psychobehavioral Disease
- Alcohol and Smoking Related Disease
- Transplantation

Amount: \$100,000

LOI: N/R

Deadline: May 1, 2010

To learn more: http://ctsa.unmc.edu/ew_library_file/GPHRC%202010%20RFP.doc

Key Words: **Health Disparities, Cancer, Obesity, Diabetes, Vascular Disease, Infectious Disease, Musculoskeletal Disease, Neurological and Psychobehavioral Disease, Alcohol and Smoking Related Disease, Transplantation**

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:

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

PA-08-015 and PA-08-016

NIH

This Funding Opportunity Announcement (FOA) is a program announcement (PA) issued by the National Institute of Neurological Disorders and Stroke (NINDS), the National Eye Institute (NEI), the National Institute on Aging (NIA), the National Cancer Institute (NCI), and the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health (NIH). The aim of this FOA is to invite applications to study angiogenesis in the nervous system. Specific areas of research this FOA seeks to encourage include study of the mechanisms controlling angiogenic responses to physiological and pathological stimuli, the development and patterning of nervous system vasculature, and the etiology of disorders affecting development and/or ongoing angiogenesis in nervous system vasculature.

Amount: unspecified

LOI: N/R

Deadline: Multiple dates, see announcement

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

Key Words:

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

PA-08-014

NIDDKD

This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health encourages Research Project Grant (R01) applications from Institutions/organizations that propose to explain the underlying mechanism(s) by which various gastrointestinal surgical procedures ameliorate obesity-related insulin resistance and diabetes independent of the resultant weight loss.

Amount: unspecified

LOI: N/R

Deadline: Multiple dates, see announcement.

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-014.html>

Key Words:

NIDDK Central Repositories Non-renewable Sample Access (X01)

PAR-10-090

NIDDK Central Repositories Non-renewable Sample Access (X01)

The NIDDK Central Repositories house valuable samples and data from numerous major clinical studies. This FOA allows investigators to apply for access to non-renewable samples from one or more of these studies. Information about the samples available can be found at <https://www.niddkrepository.org>. Applicants must provide information from the NIDDK Central Repositories documenting sample availability. A separate solicitation will specifically request applications for samples from the DPT-1, EDIC, and DPP; samples from these studies cannot be requested via this FOA until November 1, 2010.

Amount: There are no dollars associated with these requests

LOI: N/R

Deadline: July 1, 2010, November 1, 2010, March 1, 2011, and July 1, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-090.html>

Key Words: **Clinical Samples, Diabetes, Kidney Disease**

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

PA-09-165 and PA-09-166

National Institute on Aging (NIA)

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

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

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

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

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

PA-09-133

National Institute of Diabetes and Digestive and Kidney Diseases

Office of Dietary Supplements

This FOA, issued by National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the Office of Dietary Supplements (ODS) of the National Institutes of Health, encourages exploratory/developmental clinical research related to the prevention or treatment of diabetes, obesity and endocrine and genetic metabolic diseases. The Pilot and Feasibility Clinical Research Grants Program is designed to allow initiation of exploratory, short-term clinical studies, so that new ideas may be investigated without stringent requirements for preliminary data. The short-term studies should focus on research questions that are likely to have high clinical impact. They can include testing a new prevention strategy, a new intervention, or unique combinations of therapies. A high priority is the use of such studies to help stimulate the translation of promising research developments from the laboratory into clinical practice in diabetes, endocrine diseases and genetic metabolic diseases, including cystic fibrosis.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

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

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

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

PAR-08-160

National Institute of Diabetes and Digestive and Kidney Diseases

National Institute of Mental Health

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

Amount: up to \$500,000 per year

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

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

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

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

Planning Grants for Translational Research for the Prevention and Control of Diabetes and Obesity (R34)

PAR-09-177

National Institute of Diabetes and Digestive and Kidney Diseases

Eunice Kennedy Shriver National Institute of Child Health and Human Development

Office of Behavioral and Social Science Research

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

Amount:

LOI: N/R

Deadline: July 1, 2010, November 1, 2010, March 1, 2011, July 1, 2011, November 1, 2011, March 1, 2012

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

Key Words: **Obesity, Diabetes**

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

PAR-09-176

National Institute of Diabetes and Digestive and Kidney Diseases

Eunice Kennedy Shriver National Institute of Child Health and Human Development

Office of Behavioral and Social Science Research

The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) and the Office of Behavioral and Social Sciences Research (OBSSR) encourage NIH Research Demonstration and Dissemination Project grant (R18) applications from institutions/ organizations to test the effectiveness of interventions for the prevention and control of diabetes and obesity that have a high potential to be adopted, and sustained in applied health care settings. The approaches tested must be based on widely accepted interventions previously demonstrated to be efficacious in clinical trials. Research must target the prevention or reversal of obesity, prevention of type 2 diabetes, improved care of type 1 and type 2 diabetes, or the prevention or delay of the complications of these conditions. The interventions proposed under this FOA should have the potential to be widely disseminated to clinical practice, individuals and communities at risk.

Amount: \$2,500,000

LOI: N/R

Deadline: July 1, 2010, November 1, 2010, March 1, 2011, July 1, 2011, November 1, 2011, March 1, 2012

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

Key Words: **Obesity, Diabetes**

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

RFA-DK-10-002

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

This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases and the National Institutes of Biomedical Imaging and Bioengineering, National Institutes of Health, solicits applications for Exploratory/Development Research Grants (R21) to develop tools and methods capable of measuring the mass of brown adipose tissue (BAT) in human populations (e.g. amounts in different depots, amounts mixed in with WAT and muscle); to develop new tools to modulate and measure the metabolic activity of human BAT, or to develop additional markers of human BAT tissue mass or activity.

Amount: \$275,000

LOI: October 13, 2010

Deadline: November 10, 2010

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

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

NIDDK Education Program Grants (R25)

PAR-10-092

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

Office of Dietary Supplements (ODS/NIH)

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

Amount: \$500,000

LOI: N/R

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-092.html>

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

NIDDK Small Grants for Clinical Scientists to Promote Diversity in Health-Related Research (R03)

PAR-09-223

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

Office of Dietary Supplements (ODS)

The purpose of this funding opportunity announcement (FOA) is to provide support for clinical scientists from underrepresented racial/ethnic backgrounds, disadvantaged backgrounds or clinical scientists with disabilities to conduct small research projects in the area of diabetes, endocrinology, metabolism, digestive diseases, hepatology, obesity, nutrition, kidney, urology, or hematology. The NIDDK and the ODS recognize the need to promote diversity in the health-related workforce by increasing the number of highly trained clinical researchers from diverse backgrounds conducting research in areas of importance to the NIDDK. This FOA is aimed at New Investigators (see Section III.1.B. for definition) who hold a health professional doctoral degree or other clinical doctoral degree AND who are from a group that have been shown to be underrepresented in biomedical research (see eligible PD/PI for full definition). The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.

Amount: \$375,000

LOI: 30 days prior to application date

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-223.html>

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

Health Disparities in NIDDK Diseases (R01)

PA-09-262

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

National Institute of Nursing Research (NINR)

The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the National Institute of Nursing Research (NINR) of the National Institutes of Health (NIH) seek research to understand and mitigate issues of health disparities in high priority diseases within their scope, including diabetes, obesity, nutrition-related disorders, hepatitis C, gallbladder disease, H. Pylori infection, sickle cell

disease, kidney diseases, urologic diseases, hematologic diseases, metabolic, gastrointestinal, hepatic, and renal complications from infection with HIV. NINR promotes and improves the health of individuals, families, communities, and populations, supports and conducts clinical and basic research and research training on health and illness across the lifespan.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-262.html>

Key Words: **Diabetes, Health Disparities, Nursing, Clinical and Basic Research**

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

PA-09-181

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

National Heart Lung and Blood Institute (NHLBI)

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

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

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

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

PAR-09-247

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

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

Amount: \$2,500,000

LOI: N/R

Deadline: Standard dates apply

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

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

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

PAR-09-077

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

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

Amount: \$500,000

LOI: N/R

Deadline: Standard dates apply

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

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

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

RFA-DK-10-004

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

Adherence to a prescribed treatment regimen, including medications, devices and behavioral recommendations, can significantly impact morbidity and mortality for patients with chronic diseases, including chronic kidney or urologic disease and diabetes. When adherence to complex and seemingly rigid treatment regimens is poor, the results can be tragic. Adolescence can also be a particularly challenging time for adherence given the competing demands in an adolescents life, the unique developmental changes, and rapidly changing set of responsibilities as they transition to adulthood. There are few studies in pediatrics beyond the HIV literature that address non-adherence. The purpose of the FOA is to support research to improve adherence in adolescents with chronic kidney or urologic diseases, or diabetes. Therefore, the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) invites applications from new or established investigators to pursue research to better understand factors that influence adherence, develop appropriate measures of adherence, and test innovative strategies to enhance adherence in this vulnerable population.

Amount: \$2,500,000

LOI: October 18, 2010

Deadline: November 15, 2010

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

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

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

PAR-08-182

National Institute of Diabetes and Digestive and Kidney Diseases

The purpose of the Collaborative Interdisciplinary Team Science Program described in this announcement is to provide support to enable strong investigative teams to do inter- and/or trans-disciplinary research on a complex problem in biomedical science relevant to Diabetes, Endocrinology and Metabolic Diseases.

Amount: \$2,500,000

LOI: October 4, 2010; February 24, 2011

Deadline: November 3, 2010; March 24, 2011

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

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

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

PAR-08-181

National Institute of Diabetes and Digestive and Kidney Diseases

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

Amount: \$300,000

LOI: August

Deadline: standard dates apply

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

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

Digestive and Liver

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

PA-08-059 and PA-08-060

NIH

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

Amount: varies

LOI: N/R

Deadline: multiple, see link

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

Key Words:

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

PA-08-014

NIDDKD

This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health encourages Research Project Grant (R01) applications from Institutions/organizations that propose to explain the underlying mechanism(s) by which various gastrointestinal surgical procedures ameliorate obesity-related insulin resistance and diabetes independent of the resultant weight loss.

Amount: unspecified

LOI: N/R

Deadline: Multiple dates, see announcement.

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-014.html>

Key Words:

NIDDK Central Repositories Non-renewable Sample Access (X01)

PAR-10-090

NIDDK Central Repositories Non-renewable Sample Access (X01)

The NIDDK Central Repositories house valuable samples and data from numerous major clinical studies. This FOA allows investigators to apply for access to non-renewable samples from one or more of these studies. Information about the samples available can be found at <https://www.niddkrepository.org>. Applicants must provide information from the NIDDK Central Repositories documenting sample availability. A separate solicitation will specifically request applications for samples from the DPT-1, EDIC, and DPP; samples from these studies cannot be requested via this FOA until November 1, 2010.

Amount: There are no dollars associated with these requests

LOI: N/R

Deadline: July 1, 2010, November 1, 2010, March 1, 2011, and July 1, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-090.html>

Key Words: **Clinical Samples, Diabetes, Kidney Disease**

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

PA-09-133

National Institute of Diabetes and Digestive and Kidney Diseases

Office of Dietary Supplements

This FOA, issued by National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the Office of Dietary Supplements (ODS) of the National Institutes of Health, encourages exploratory/developmental clinical research related to the prevention or treatment of diabetes, obesity and endocrine and genetic metabolic diseases. The Pilot and Feasibility Clinical Research Grants Program is designed to allow initiation of exploratory, short-term clinical studies, so that new ideas may be investigated without stringent requirements for preliminary data. The short-term studies should focus on research questions that are likely to have high clinical impact. They can include testing a new prevention strategy, a new intervention, or unique combinations of therapies. A high priority is the use of such studies to help stimulate the translation of promising research developments from the laboratory into clinical practice in diabetes, endocrine diseases and genetic metabolic diseases, including cystic fibrosis.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

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

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

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

RFA-DK-10-002

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

This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases and the National Institutes of Biomedical Imaging and Bioengineering, National Institutes of Health, solicits applications for Exploratory/Development Research Grants (R21) to develop tools and methods capable of measuring the mass of brown adipose tissue (BAT) in human populations (e.g. amounts in different depots, amounts mixed in with WAT and muscle); to develop new tools to modulate and measure the metabolic activity of human BAT, or to develop additional markers of human BAT tissue mass or activity.

Amount: \$275,000

LOI: October 13, 2010

Deadline: November 10, 2010

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

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

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

PA-09-181

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

National Heart Lung and Blood Institute (NHLBI)

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

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

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

Pilot and Feasibility Clinical Research Studies in Digestive Diseases and Nutrition (R21)

PA-09-151

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

National Cancer Institute (NCI)

National Institute of Nursing Research (NINR)

Office of Dietary Supplements, National Institutes of Health (ODS)

This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK); the National Cancer Institute (NCI); the National Institute for Nursing Research (NINR), and Office of Dietary Supplements (ODS) of the National Institutes of Health, encourages pilot and feasibility clinical and epidemiological research studies of new therapies or means of health promotion and prevention of digestive and liver diseases and nutritional disorders associated with digestive and liver diseases, including cancer.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

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

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

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/PA-08-245.html>

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

Etiology, Prevention, and Treatment of Hepatocellular Carcinoma (P01)

PAR-09-147

National Cancer Institute (NCI)

With this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI) invites grant applications that: (a) address the etiology and etiologic mechanisms of hepatocellular carcinoma (HCC); (b) propose development of animal models for HCC; (c) propose novel approaches to prevent HCC malignancy; (d) propose therapeutic or diagnostic tools for reliable prognostic indicators for HCC; and/or (e) develop therapeutic approaches to minimize morbidity and mortality associated with HCC in humans. The primary focus of the proposed projects must be on the basic biology, prevention, and/or treatment of liver cancer.

Amount: varies

LOI: April 28, 2010; August 28, 2010; December 28, 2010; and April 27, 2011

Deadline: May 28, 2010; September 28, 2010; January 28, 2011; and May 27, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-147.html>

Key Words: **Hepatocarcinoma**

Funding

Broad Foundation, Eli and Edythe L.

Broad Medical Research Program (BMRP)

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

Amount: unspecified

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

Deadline: Continuous

To learn more: <http://www.broadmedical.org/funding.htm>

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

Education and Curriculum Development

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Training for a Dental and Craniofacial Research Workforce (T32)

New

PAR-10-171

National Institute of Dental and Craniofacial Research (NIDCR)

The National Institute of Dental and Craniofacial Research (NIDCR) will award T32 Institutional Training grants to eligible institutions that are committed to supporting predoctoral and postdoctoral research training as a means to help ensure that a diverse and highly trained workforce is available to address the Nations health related needs in dental, oral, and craniofacial research. This NIDCR program is designed in recognition of the need to develop a cadre of highly qualified independent scientists who can successfully address basic, behavioral, and clinical research questions to improve oral, dental and craniofacial health. Trainees are required to pursue full-time research training. Priority will be given to programs that present plans and evidence that they will train dentist scientists either as predoctoral dual degree dentist scientists, dentists receiving PhD training or dentists training in a postdoctoral research experience.

Amount: \$4,000,000

LOI: August 25, 2010, 2011, 2012

Deadline: September 25, 2010, 2011, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-171.html>

Key Words: **Oral, Dental and Craniofacial Health**

Institutional Training for a Dental and Craniofacial Research Workforce (T90/R90)

New

PAR-10-170

National Institute of Dental and Craniofacial Research (NIDCR)

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

Amount: \$4,000,000

LOI: August 25, 2010, 2011, 2012

Deadline: September 25, 2010, 2011, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-170.html>

Key Words: **Oral, Dental and Craniofacial Health**

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

New

PAR-10-165

National Cancer Institute (NCI)

The purpose of the CECDP is to support the development and implementation of institutional curriculum-dependent predoctoral/postdoctoral programs in the areas of cancer prevention and control, behavioral and population sciences research, nutrition, epidemiology, and/ or biostatistics.

Amount: \$500,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-165.html>

Key Words: **Educational Program Development, Cancer**

Cancer Education Grants Program (R25)

PAR-08-120

NIH

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

Amount: \$330,000 annually

LOI: N/R

Deadline: September 7, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-120.html>

Key Words:

Research Coordination Networks in Biological Sciences

NSF 09-554

National Science Foundation (NSF)

Support will be provided for groups of investigators to communicate and coordinate their efforts across disciplinary, organizational, institutional and geographical boundaries. The objectives are to facilitate open communication and exchange of information and resources, to integrate research and/or education activities of scientists working independently on topics of common interest, to nurture a sense of community among young scientists, and to minimize isolation and maximize cooperation so as to eliminate unnecessary duplication of efforts. Specific features of the program include:

Topic/focus of research coordination

Principal investigator (PI)

Group members

International participation

Coordination/management mechanism

Information and material sharing

Amount: \$250,000-\$500,000

LOI: N/R

Deadline: July 5, 2010

To learn more: http://www.nsf.gov/pubs/2009/nsf09554/nsf09554.htm?govDel=USNSF_25

Key Words: **International Collaboration**

Research Experiences for Undergraduates (REU)

NSF-09-598

National Science Foundation (NSF)

The Research Experiences for Undergraduates (REU) program supports active research participation by undergraduate students in any of the areas of research funded by the National Science Foundation. REU projects involve students in meaningful ways in ongoing research programs or in research projects specifically designed for the REU program. This solicitation features two mechanisms for support of student research: (1) REU Sites are based on independent proposals to initiate and conduct projects that engage a number of students in research. REU Sites may be based in a single discipline or academic department, or on interdisciplinary or multi-department research opportunities with a coherent intellectual theme. Proposals with an international dimension are welcome. A partnership with the Department of Defense supports REU Sites in DoD-relevant research areas. (2) REU Supplements may be requested for ongoing NSF-funded research projects or may be included as a component of proposals for new or renewal NSF grants or cooperative agreements.

Undergraduate student participants in either Sites or Supplements must be citizens or permanent residents of the United States or its possessions.

Amount: unspecified

LOI: N/R

Deadline: August 25, 2010 and fourth Wednesday in August Annually Thereafter

To learn more: http://www.nsf.gov/pubs/2009/nsf09598/nsf09598.htm?govDel=USNSF_25

Key Words: **Undergraduate Fellowships**

NIH Support for Conferences and Scientific Meetings (Parent R13/U13)

PA-10-071

National Institutes of Health (NIH)

multiple institutes

The purpose of the NIH Research Conference Grant Program (R13 and U13) is to support high quality conferences/scientific meetings that are relevant to the scientific mission of the NIH and to the public health. A conference/scientific meeting is defined as a gathering, symposium, seminar, scientific meeting, workshop or any other organized, formal meeting where persons assemble to coordinate, exchange, and disseminate information or to explore or clarify a defined subject, problem, or area of knowledge. Each NIH Institute and Center (IC) has a scientific purview and different program goals and initiatives that evolve over time.

Amount: varies

LOI: Advance permission to submit an application must be requested early in the process and no later than 6 weeks before the application submission date. The letter from the NIH documenting advance permission must be included in the Cover Letter component of

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-071.html>

Key Words: **Conference, Meeting**

Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellows 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**

Alcohol Research Education Project Grants (R25)

PAR-08-082

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

The National Institute on Alcohol Abuse and Alcoholism (NIAAA) supports research programs to advance understanding of the biological and behavioral processes involved in the development, expression, and consequences of alcoholism and other alcohol-related problems. The Institute also supports prevention, treatment, and health services research on alcohol abuse and alcoholism. A part of the NIAAA mission is the dissemination of new knowledge acquired from alcohol research to diverse audiences, including scientists, educators, clinicians, and other health and social service providers, patients and their families, professionals within the criminal justice system, and the general public. This FOA identifies the research activity on alcohol education of Health Professions that NIAAA will consider for award through Research Education grants (R25).

Amount: \$500,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PAR-08-082.html>

Key Words: **Alcohol, Alcohol Related Problems, Education**

NINDS Diversity Research Education Grants in Neuroscience (R25)

PAR-07-456

National Institute of Neurological Disorders and Stroke (NINDS)

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

Amount: \$1,250,000

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

Deadline: standard dates apply

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

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

Mental Health Dissertation Research Grant to Increase Diversity (R36)

PAR-09-132

National Institute of Mental Health (NIMH)

The purpose of this funding opportunity is to increase the diversity of the mental health research workforce. It will enable qualified doctoral candidates to pursue research careers in any area relevant to the research mission of the National Institute of Mental Health (NIMH). These awards are available to US citizens or permanent residents who are predoctoral students advanced to candidacy in accredited research doctoral programs in the United States (including Puerto Rico and other U.S. territories or possessions).

Amount: see program announcement

LOI: 30 days prior to Application Due Date

Deadline: August 24, 2010; December 22, 2010; April 22, 2011; August 24, 2011; December 22, 2011 (including resubmissions)

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

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

Team-Based Design in Biomedical Engineering Education (R25)

PAR-10-140

National Institute of Biomedical Imaging and Bioengineering (NIBIB)

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

This FOA, issued by the National Institute of Biomedical Imaging and Bioengineering (NIBIB) and the Eunice K. Shriver National Institute of Child Health and Human Development (NICHD), encourages applications from institutions that propose to establish new or to enhance existing team-based design courses in undergraduate Biomedical Engineering departments or programs. This FOA targets undergraduate students at the senior level but may also include junior undergraduates and first-year graduate students. Courses that address innovative and/or ground-breaking development, multidisciplinary/interdisciplinary training, and diversity recruitment are especially encouraged.

Amount: \$200,000

LOI: April 19, 2010; April 18, 2011; April 18, 2012

Deadline: May 18, 2010; May 18, 2011; May 18, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-140.html>

Key Words: **Biomed Engineering**

NIAID Science Education Awards (R25)

PAR-08-003

National Institute of Allergy and Infectious Diseases (NIAID)

This Funding Opportunity Announcement (FOA) solicits applications from organizations that propose creative and innovative research education programs that will increase the public's understanding of biomedical research, or encourage K-12 students to enter areas in biomedical science in the mission areas of the NIAID. The NIH Research Education (R25) grant mechanism is a flexible and specialized mechanism designed to foster the development of biomedical, behavioral, and clinical researchers through creative and innovative research education programs.

The overall goals of the NIAID's research education programs are to ensure that highly trained scientists will be available in adequate numbers and in appropriate scientific areas to address the nation's biomedical, behavioral, and clinical research needs in the NIAID mission areas and to provide public education and outreach on NIH-funded research to a variety of audiences.

NIAID accepts R25 applications that provide training and curriculum development for K-12 teachers and students using innovative approaches and broad outreach at a national level. The applicant organization should determine the nature of the program, state the specific goals for the program, and define specific measurable objectives. The NIH encourages all proposed programs to foster the participation of individuals from racial and ethnic groups underrepresented in biomedical and behavioral research, individuals from disadvantaged backgrounds, individuals with disabilities, and women.

Amount: varies

LOI: N/R

Deadline: standard dates apply

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

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

Initiative to Maximize Research Education in Genomics (R25)

PAR-09-245

National Human Genome Research Institute (NHGRI)

This funding opportunity supports two types of activities: (1) short, advanced level courses that are intended to disseminate new laboratory techniques, methods, analyses related to the mission of the NHGRI and (2) research education and training initiatives that are linked to specific NHGRI research initiatives, such as Centers of Excellence in Genomic Science (CEGS) and large-scale sequencing and database grants.

Amount: \$1,500,000

LOI: Thirty (30) days before application due date

Deadline: Standard dates apply

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

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

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

PAR-08-150

National Center for Research Resources (NCRR)

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

Amount: \$7,500,000

LOI: June 22, 2010

Deadline: July 22, 2010

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

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

Notice of Intent to Publish a Funding Opportunity for the Reissue of RFA-TW-08-002 the International Research Ethics Education and Curriculum Development Award (R25)

NOT-TW-10-326

Fogarty International Center (FIC)

The John E. Fogarty International Center (FIC) intends to issue a Funding Opportunity Announcement (FOA) that is a reissue of RFA-TW-08-002 to encourage applications for the International Research Ethics Education and Curriculum Development Award (R25)

This notice is being provided to allow potential applicants sufficient time to develop meaningful collaborations and responsive proposals. This FOA is expected to be published in early April 2010 with an anticipated receipt date of early June 2010. The FOA will utilize the NIH Research Education (R25) grant mechanism. Details of the planned FOA are provided below.

Purpose

This FOA issued by the Fogarty International Center at the National Institutes of Health requests Research Education Grant (R25) applications from institutions/organizations that propose to develop masters level curricula and provide educational opportunities for developing country academics, researchers and health professionals in ethics related to performing research involving human subjects in international resource poor settings.

Amount:

LOI:

Deadline: Release Date March 12, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-TW-10-326.html>

Key Words: **Ethics Education**

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

PAR-08-207

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

National Institute of Neurological Diseases and Stroke (NINDS)

National Heart Lung and Blood Institute (NHLBI)

National Institute of Mental Health (NIMH)

National Inst

This funding opportunity announcement (FOA) solicits Conference Grant (R13/U13) applications from applicant organizations for meetings and networks that will facilitate interdisciplinary research partnership among investigators. The goal is to create opportunities for forming strong and effective multi-disciplinary scientific teams to address basic, translational, or clinical research problems in rehabilitation or management of chronic disease, including mental disorders.

Amount: \$50,000

LOI: N/R

Deadline: Standard dates apply

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

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

Health Care Grant

DFAV

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

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

LOI: N/R

Deadline: Continuous

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

Key Words:

NIOSH Support for Conferences and Scientific Meetings (R13)

PAR-08-072

Centers for Disease Control and Prevention

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

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

Amount: \$20,000

LOI: Sixty calendar days in advance of standard Application

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

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

Key Words: **Occupational Health**

Recovery Act Limited Competition: The NIH Director's ARRA Funded Pathfinder Award to Promote Diversity in the Scientific Workforce (DP4)

RFA-OD-10-013

All NIH Institutes and Centers participate in this NIH-wide announcement.

This NIH Funding Opportunity Announcement (FOA), supported by funds provided to the NIH under the American Recovery and Reinvestment Act of 2009 (Recovery Act or ARRA), Public Law 111-5, invites applications for the NIH Directors ARRA Pathfinder Award to Promote Diversity in the Scientific Workforce. The NIH recognizes a unique and compelling need to promote diversity in the biomedical, behavioral, clinical and social sciences research workforce. The NIH expects all of its efforts to diversify the workforce to lead to the recruitment of the most talented researchers from all groups; to improve the quality of the educational and training environment; to balance and broaden the perspective in setting research priorities; to improve the ability to recruit subjects from diverse backgrounds into clinical research protocols; and to improve the Nation's capacity to address and eliminate health disparities. This new FOA introduces a new research grant program to encourage exceptionally creative individual scientists to develop highly innovative and possibly transforming approaches for promoting diversity within the biomedical research workforce. To be considered highly innovative, the proposed research must reflect ideas substantially different from those already being pursued or it must apply existing research designs in new and innovative ways to unambiguously identify factors that will improve the retention of students, postdocs and faculty from diverse backgrounds. Awardees must commit a major portion (generally 30% or more) of their research effort to activities supported by the Directors Pathfinder Award and the proposed research must be endorsed by the highest levels of institutional management.

Amount: \$2,000,000

LOI: April 5, 2010

Deadline: May 4, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-OD-10-013.html>

Key Words: **Workforce Diversity**

Improving Patient Safety through Simulation Research (R18)

RFA-HS-10-018

Agency for Healthcare Research and Quality (AHRQ)

Center for Outcomes and Evidence (COE)

The Agency for Healthcare Research and Quality (AHRQ) is interested in funding a diverse set of projects that develop, test and evaluate various simulation approaches for the purpose of improving the safe delivery of health care. Simulation in health care predominately is a training technique that exposes individuals and teams to realistic clinical challenges through the use of mannequins, task trainers, virtual reality, or standardized patients, and allows participants to experience in real-time the consequences of their decisions and actions. The principal advantage of simulation is that it provides a safe environment for health care practitioners to acquire valuable experience without putting patients at risk. Simulation also can be used as a test-bed to improve clinical processes and to identify failure modes or other areas of concern in new procedures and technologies that might otherwise be unanticipated and serve as threats to patient safety. Applications that address a variety of clinical settings are sought.

Amount: \$1,050,000

LOI: N/R

Deadline: June 21, 2010

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

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

Change in Application Receipt Date for AHRQ Funding Opportunity Announcement (FOA) RFA-HS-10-018

NOT-HS-10-015

Agency for Healthcare Research and Quality (AHRQ)

This Notice is to inform the scientific community that AHRQ is extending the application due date for AHRQ Funding Opportunity Announcements (FOA), RFA-HS-10-018, Improving Patient Safety through Simulation Research (R18), (see <http://grants.nih.gov/grants/guide/rfa-files/RFA-HS-10-018.html>). The NEW application due date for this FOA is June 21, 2010 and expiration of the FOA will be on June 22, 2010. Thus, NEW Key and Submission, Review, and Anticipated Start Dates are:

Key Dates and Submission, Review, and Anticipated Start Dates

Release/Posted Date: January 21, 2010

NOTE: On-time submission requires that applications be successfully submitted to Grants.gov no later than 5:00 p.m. local time (of the applicant institution/organization).

Application Due Date(s): June 21, 2010

Peer Review Date(s): Generally four months after receipt date
Earliest Anticipated Start Date(s): Generally four months after peer review date
Expiration Date: June 22, 2010

Amount:

LOI:

Deadline: Release Date: March 16, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-HS-10-015.html>

Key Words: **Simulation Research, Education**

Emergency Medicine

Collaborative Research on the Transition From Acute to Chronic Pain: New Models and Measures in Clinical and Preclinical Pain Research (R01)

RFA-DE-11-001

National Institute of Dental and Craniofacial Research (NIDCR)

The overall goal of this FOA is to stimulate preclinical and clinical research that will accelerate our understanding of the biological and behavioral determinants driving the transition from acute pain to chronic pain disorders. An understanding of the mechanisms and risk factors that determine who will transition to a chronic pain state is necessary in order to intervene in this transition and to design new, effective treatments to resolve acute pain before it becomes chronic. The objectives of this FOA are to: 1) assemble research teams with expertise in basic and clinical pain research and related expertise outside the pain field that will provide novel, collaborative, multidisciplinary approaches to answer crucial questions about the transition from acute to chronic pain; 2) discover biological and behavioral mechanisms that drive the transition from an acute pain state to a chronic dysfunctional pain condition; 3) develop new clinical and preclinical models and measures of pain that will be essential to identify and characterize these mechanisms. Studies that involve considerable risk but with the potential for breakthroughs in the field are strongly encouraged.

Amount: varies

LOI: May 21, 2010

Deadline: June 22, 2010

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

Key Words: **Pain, Management and Evaluation**

Research on Emergency Medical Services for Children (R01)

PAR-08-261

Eunice Kennedy Shriver National Institute of Child Health and Human Development

Agency for Healthcare Research and Quality

National Institute of Mental Health

National Institute of Nursing Research

This multi-agency program Funding Opportunity Announcement (FOA) is designed to improve the quality and quantity of research related to emergency medical services for children (EMSC), with the goal of reducing morbidity and mortality in children through improved care delivery. This FOA invites the submission of applications dealing with the following areas of research included under the term EMSC: prevention research to reduce the need for emergency care; clinical research to ensure that children receive high-quality and appropriate medical, nursing and mental health care in an emergency; health systems research, from pre-hospital care, to the emergency department, to in-patient care and return to the community; models to improve service and cost efficiency in pediatric emergency care; and methodological studies to improve the quality of research conducted.

Amount: \$2,500,000

LOI: August 15, 2010

Deadline: September 15, 2010

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

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

USA Medical Research and Materiel Command Broad Agency Announcement

W81XWH-BAA10-1

Department of Defense (DOD)

This Announcement provides a general description of the Command's research programs, including specific areas of interest; general information; the evaluation and selection criteria; and proposal preparation instructions.

1) The Military Infectious Diseases Research Program (MIDRP) focuses on vaccines, antiparasitic drugs, deployable field clinical diagnostics, and vector control pertinent to naturally-occurring endemic diseases with demonstrated or potential capability to decrease military operational effectiveness.

- 2) The Combat Casualty Care Research Program (CCCRP) provides integrated capabilities for far-forward medical care to reduce the mortality and morbidity associated with major battlefield wounds and injuries.
- 3) The Military Operational Medicine Research Program (MOMRP) provides biomedical solutions that protect Soldiers and enhance their performance in operational and training environments that include multiple stressors. [a. Injury Prevention and Reduction; b. Psychological Health and Resilience; c. Environmental Health and Protection; d. Physiological Health]
- 4) The Medical Biological Defense Research Program provides medical countermeasures for biological warfare agents. These countermeasures include specialized medical materiel or procedures designed to enhance protection.
- 5) The Medical Chemical Defense Research Program seeks to preserve combat effectiveness by timely provision of medical countermeasures in response to Joint Service chemical warfare defense requirements.
- 6) The Clinical and Rehabilitative Medicine Research Program (CRM RP) focuses on the innovations required to reset our wounded warriors, both in terms of duty performance and quality of life. The CRM RP focuses its efforts on the following five research areas: neuromusculoskeletal injury (including amputees), ocular and visual system injury, hearing and vestibular systems injury, chronic pain, and regenerative medicine.

Amount: \$1,000,000

LOI:

Deadline: September 30, 2010

To learn more:

<http://www.grants.gov/search/announce.do?sessionId=2vmFKPnL20sh2KRqMCTmSnJZ6FC5xZx1mdGGngwpJvfRCHlctvYN!-1163459943>

Key Words: **Battlefield Wounds, Emergency Treatment, Antiparasitics, Infectious Disease**

Equipment

Shimadzu Equipment Grant

Shimadzu

Shimadzu announces the availability of grant funds to purchase their line of analytical instruments. Special consideration is being given for High-Speed Liquid Chromatograph Mass Spectrometers (LCMS-IT-TOF) Internal coordination is required, contact Dr. Paula Turpen 559-6162 or pbturpen@unmc.edu if interested.

Amount: 100% instrument value

LOI: N/R

Deadline: continuous

To learn more: Shimadzu Sales Rep: Douglas Catron dcatron@shimadzy.com

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

Eyes, Ears, Nose, Throat

Research Opportunities on Spasmodic Dysphonia (R01) and (R21)

New

PA-10-157 and PA-10-156

National Institute on Deafness and Other Communication Disorders (NIDCD)

This funding opportunity announcement (FOA) issued by the National Institute on Deafness and Other Communication Disorders (NIDCD) invites innovative collaborative research project grant applications (R01) designed to improve our understanding of the pathogenesis and pathophysiology of spasmodic dysphonia (SD) for its prevention and improved treatment. This FOA invites basic, translational and clinical studies to accelerate research into promising therapeutic approaches for spasmodic dysphonia and to stimulate progress in spasmodic dysphonia research through encouraging and facilitating transdisciplinary interactions.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-157.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-156.html>

Key Words: **Dysphonia**

NIDCD Research Career Enhancement Award for Established Investigators (K18)

New

PAR-10-162

National Institute on Deafness and Other Communication Disorders (NIDCD)

The purpose of the NIDCD Research Career Enhancement Award for Established Investigators (K18) program is to enable established, proven investigators to augment or redirect their research programs through the acquisition of new research skills to answer questions relevant to the hearing, balance, smell, taste, voice, speech and language sciences.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-162.html>

Key Words: **Balance, Speech and Language Science**

The NEI Mentored Clinical Scientist Development Program Award (K12)

New

PAR-10-166

National Eye Institute (NEI)

The purpose of the NEI Mentored Clinical Scientist Development Program Award (K12) is to facilitate and support the career development of clinical vision scientists who have made a commitment to independent research careers. It will allow institutions to provide two to five years of comprehensive individualized career development training for selected clinically trained professionals (DO, DVM, MD, MD/PhD, OD, and PhD) who have the potential to develop into productive vision clinician-scientists. Under this award, recently trained clinicians are to be selected and appointed to the program by the grantee institution.

Amount: \$5,625,000

LOI: N/R

Deadline: June 3, 2010, and May 13, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-166.html>

Key Words: **Clinical Visual Research**

Department of Defense Autism Research Program

U.S. Army Medical Research

The FY09 ARP encourages proposals that specifically address critical needs of the Autism Spectrum Disorders (ASD) community in the following areas (Revised for FY09):

- Co-morbidity: (e.g., manifestations such as disorders [gastrointestinal, sleep, behavioral, speech/language], psychiatric, seizures, immune dysfunction, motor and sensory deficits, metabolic dysfunction, and effects of ASD on intellectual ability)
- Predictors for Treatment Outcomes: Identification of biomarkers, clinical characteristics, or other phenotypic markers that predict outcomes of a treatment, or populations that will or will not respond to a treatment (traditional or complementary and alternative)

FY09 ARP program announcements and application instructions for the following award mechanisms are anticipated to be posted and available on Grants.gov in February 2009.

Amount: \$750,000

LOI: pre-application required

Deadline: posting early February

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

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

Bioengineering Research Grants (BRG)[R01]

PA-06-419

National Institutes of Health (NIH), multiple institutes

The BRGs support multi-disciplinary research performed in a single laboratory or by a small number of investigators that applies an integrative, systems approach to develop knowledge and/or methods to prevent, detect, diagnose, or treat disease or to understand health and behavior. A BRG application may propose hypothesis-driven, discovery-driven, developmental, or design-directed research.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-06-419.html>

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

Young Children With Mild to Severe Hearing Loss (R01)

PA-07-399

National Institutes of Health (NIH)

National Institute on Deafness and Other Communication Disorders (NIDCD)

This FOA encourages research applications from institutions and organizations addressing research needs on the young child (infants and children) with mild to severe hearing loss. Development, refinement, or modification of measurement tools for young children with hearing loss is also encouraged.

Amount: unspecified

LOI: N/R

Deadline: Standard dates apply

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

Key Words: **Deafness, Hearing**

Research Project Grant (Parent R01)

PA-10-067

National Institutes of Health (NIH)

multiple institutes

The Research Project Grant (R01) is an award made to an institution/organization to support a discrete, specified, circumscribed project to be performed by the named investigator(s) in areas representing the specific interests and competencies of the investigator(s). The R01 research plan proposed by the applicant institution/organization must be related to the stated program interests of one or more of the NIH Institutes and Centers (ICs) based on descriptions of their programs.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-067.html>

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

NIH Exploratory Developmental Research Grant Program (Parent R21)

PA-10-069

National Institutes of Health (NIH)

multiple institutes

The National Institutes of Health (NIH) Exploratory/Developmental Grant (R21) funding opportunity supports the development of new research activities in categorical program areas. (Support generally is restricted in level of support and in time.) Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigators area of interest and competency. All investigator-initiated exploratory/developmental applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests. Investigators are strongly encouraged to consult the list of participating ICs and special research interests. The Exploratory/Developmental Grant (R21) mechanism is intended to encourage exploratory and developmental research projects by providing support for the early and conceptual stages of these projects. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on a field of biomedical, behavioral, or clinical research.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-069.html>

Key Words: **Investigator Initiated**

Improving Intervention Possibilities for Communication Disorders (R21/R33)

PAR-09-056

PAR-09-057

National Institute on Deafness and Other Communication Disorders (NIDCD)

This Funding Opportunity Announcement (FOA), issued by the National Institute on Deafness and Other Communication Disorders (NIDCD), is a companion FOA to PAR-09-057, Improving Interventions for Communication Disorders, which supports the development of new efficacious interventions for communication disorders. The goal of the present FOA is to identify and develop new methodologies and insights into the basic biology of the communication sciences that will have the future potential for clinical and translational application but which are still at the preliminary exploratory stage. The research design will be milestone-driven and basic science in nature but the research plan must be focused on some clinical or translational problem related to communication disorders. Projects will necessarily have an uncertain outcome but must have a realistic expectation to yield enhanced diagnostic, intervention and treatment tools, or paradigms with widespread, cost-effective application in the NIDCD mission areas of hearing, balance, smell, taste, voice, speech and language. Basic science studies intended to explore some aspect of the biology of the communication sciences with no focus on future interventions and translational research are not appropriate. This FOA uses the R21/R33 grant mechanism and

requires a separate statement that describes anticipated milestones and justifies the future translational potential of the proposed studies. Clinical and patient-oriented research is not appropriate.

Amount: \$1,750,000

LOI: May 28, 2010

Deadline: June 28, 2010

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

Key Words: **Communication, Deafness**

NIDCD Small Grant Program (R03)

PAR-10-055

National Institute on Deafness and Other Communication Disorders (NIDCD)

The NIDCD Small Grant Program (R03) is intended to support basic and clinical research of scientists who are beginning to establish an independent research career. It cannot be used for thesis or dissertation research. The research must be focused on one or more of the areas within the biomedical and behavioral scientific mission of the NIDCD: hearing, balance/vestibular, smell, taste, voice, speech, or language.

Amount: \$300,000

LOI: N/R

Deadline: June 29, 2010, and October 29, 2010, February 24, 2011, June 29, 2011, and October 31, 2011, February 24, 2012, June 29, 2012, October 31, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-055.html>

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

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**

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**

Proteomics in Auditory Developmental and Disease Processes (R21)

PA-10-078

National Institute on Deafness and Other Communication Disorders (NIDCD)

The following examples are not meant to be comprehensive or restrictive, but rather represent projects relevant to the auditory system. Examples of projects responsive to this FOA include but are not limited to:

Proteomic analysis of specific cell types of the inner ear, other auditory pathways, and/or their subcellular structures.

Proteomic analysis of specific otocyst cell/tissue types through a variety of developing stages.

Comparative analysis between proteome and transcriptome of a defined auditory cell and/or tissue type; comparative determination between proteomic and transcriptome results.

Comparative analysis of infection state in middle ear tissue, cell type, in response to invasion with otitis media pathogens; comparative proteomic analysis of infectious pathogens involved in middle ear infections upon biofilm or infection stimulus.

Proteomic analysis of auditory genetic disorders, presbycusis, environmental noise or drug trauma; biological and/or clinical in design.

Proteomic analysis of native purified and/or in vitro propagated cultures of putative auditory progenitor cells; comparative studies of transdifferentiated/induced auditory cells and subtypes.

Use of proteomic approaches to study the signal transduction networks related to transcription factors, cell surface receptors, growth factors, and other biomarkers relevant to auditory development.

Proteomic identification of novel signaling molecules and pathways involved in cell development, differentiation, communication, function and destruction, as applied to auditory signaling processes.

Development of novel proteomic bioinformatics for annotating genomic and protein sequence information for auditory function.

Amount: \$275,000
LOI: N/R
Deadline: Standard dates apply
To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-078.html>
Key Words: **Proteomics, High Throughput Technologies, Hearing**

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

PA-08-176 and PA-08-177

National Institute on Deafness and Other Communication Disorders

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

Amount: \$500,000

LOI: N/R

Deadline: standard dates apply

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

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

NEI Clinical Study Planning Grant Program (R34)

PAR-10-017

National Eye Institute (NEI)

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

Amount: \$300,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-017.html>

Key Words: **Vision, Clinical Trials**

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

RFA-EY-10-001

National Eye Institute (NEI)

The NEI Institutional Research Training Grants (T32) for Statistical Genetics and Genome Informatics is a Ruth L. Kirschstein National Research Service Award program that is intended to support predoctoral and postdoctoral training at institutions having the potential to develop meritorious training programs in genomic medicine, computational genomics, and statistical genetics. The goal of this program is to initiate a training program to develop ophthalmic statistical genetics and bioinformatics research skills critical for investigators seeking to identify genes and genetic variations underlying ocular diseases. This training program is designed to attract individuals in early career stages, in order to increase their knowledge and awareness of research in the genetics of ophthalmic disorders, and to

encourage them to pursue research career opportunities in these scientific fields. Such training will help meet a growing need for investigators trained in computational genomics related to basic biomedical, clinical, and translational ophthalmic research.

Amount: \$1,500,000

LOI: N/R

Deadline: May 18, 2010, 2011, and 2012

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-EY-10-001.html>

Key Words: **Genomic Medicine, Ocular Diseases**

Family Medicine

Round 5 of Grand Challenges Explorations

The Bill & Melinda Gates Foundation

Each round of the Grand Challenges Explorations initiative awards grants against a set of specific topics.

Topics for Grand Challenges Explorations Round 5 are:

Create Low-Cost Cell Phone-Based Applications for Priority Global Health Conditions;

Create New Technologies to Improve the Health of Mothers and Newborns;

Create New Ways to Protect Against Infectious Disease;

Create New Technologies for Contraception.

Amount: \$100,000

LOI: N/R

Deadline: May 19, 2010

To learn more: <http://www.grandchallenges.org/explorations/Pages/Introduction.aspx>

Key Words: **Global Health, HIV, Malaria, TB, Pneumonia, Diarrhea, Family Health, Vaccine Preventable Disease, Vaccine, Drug, Diagnostics, Hemorrhage, Hypertensive Disorders, Obstructed Labor, Fetal and Maternal Death, Preterm Birth**

Healthy Eating Research: Building Evidence to Prevent Childhood Obesity

Robert Wood Johnson Foundation (RWJF)

Healthy Eating Research is a national program of the Robert Wood Johnson Foundation (RWJF). The program supports research on environmental and policy strategies with strong potential to promote healthy eating among children to prevent childhood obesity, especially among lower-income and racial and ethnic populations at highest risk for obesity. Findings are expected to advance RWJF's efforts to reverse the childhood obesity epidemic by 2015.

The three types of funding opportunities included in this call for proposals (CFP) are Round 5 grants, rapid-response grants and New Connections grants through Healthy Eating Research. The broad topics and types of studies are described in the complete CFP.

Amount: \$up to \$170,000

LOI: N/R

Deadline: May 13, 2010 for Round 5 Grants and New Connections

March 15-September 1, 2010 for Rapid-Response Grants

To learn more: <http://www.rwjf.org/applications/solicited/cfp.jsp?ID=20922>

Key Words: **Childhood Obesity**

Medical Management of Older Patients with HIV/AIDS

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

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

National Institutes of Health

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

Amount: \$2,500,000

LOI: N/R

Deadline: standard dates apply

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

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

Women's Mental Health in Pregnancy and the Postpartum Period (R01)

PA-09-174 and PA-09-175

National Institute of Mental Health (NIMH)
Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
National Institute on Drug Abuse (NIDA)
Center for Primary Care, Prevention, and Clinical Partnerships (CP3)

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

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

Key Words: **Post-Partum Depression**

Home and Family Based Approaches for the Prevention or Management of Overweight or Obesity in Early Childhood (R21) and (R01)

PA-10-128 and PA-10-127

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Heart, Lung and Blood Institute (NHLBI)
Office of Behavioral and Social Sciences Research (OBSSR)
Office of Disease Prevention (ODP)

This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Heart, Lung and Blood Institute (NHLBI), the Office of Behavioral and Social Sciences Research (OBSSR) and the Office of Disease Prevention (ODP), National Institutes of Health, invites exploratory pilot/feasibility study and small clinical trial (R21) applications from institutions/organizations that propose to test novel home or family based interventions for the prevention or management of overweight in infancy and early childhood. Tested interventions can use behavioral (including dietary and physical activity), environmental, or other relevant approaches. Applications should focus on infants and young children (to age six years) and emphasize the role of home environment and the influence of family/extended family members and parents (including guardians/substantial care-providers) within the child's home environment. The direct goal of this initiative is to fund research that will advance knowledge for innovative approaches to the prevention or management of overweight in children less than 6 years of age, with potential for future research clinical trial applications either in the home or linked to a community setting. Research should consider the role of families in the initiation, support, and reinforcement of fundamental food and beverage consumption, physical activity practices, and sedentary behaviors. In addition it is of interest to elucidate various underlying behavioral determinants that are crucial to initiate or sustain changes in behaviors that impact energy balance. Research designs may include linkages with other settings (e.g., daycare, pre-school, or other community venues) or other care providers (e.g., health care providers or teachers) but must include infants or children less than age six years as the primary study participant along with parents, and/or other family members residing with the child. The overarching goal is to identify interventions that influence parent and child behaviors that contribute to inappropriate weight gain, and thereby improve subsequent health status in childhood, adolescence, and adulthood for which overweight is a known risk factor.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-128.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-127.html>

Key Words: **Obesity**

Diet Composition and Energy Balance (R01)

PA-07-218

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Cancer Institute (NCI)
National Center for Complementary and Alternative Medicine (NCCAM)
National Heart, Lung and Blood Institute (NHLBI)
National Institute on Aging (NIA)

The goal of this funding opportunity announcement (FOA) is to invite Research Project Grant (R01) applications investigating the role of diet composition in energy balance, including studies in both animals and humans. Both short and longer-term studies are encouraged, ranging from basic studies investigating the impact of micro- or macronutrient composition on appetite, metabolism, and energy expenditure through clinical studies evaluating the efficacy of diets differing in micro- or macronutrient composition, absorption, dietary variety, or energy density for weight loss or weight maintenance.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-07-218.html>

Key Words: **Obesity, Weight Loss, Diet**

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

RFA-DK-10-004

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

Adherence to a prescribed treatment regimen, including medications, devices and behavioral recommendations, can significantly impact morbidity and mortality for patients with chronic diseases, including chronic kidney or urologic disease and diabetes. When adherence to complex and seemingly rigid treatment regimens is poor, the results can be tragic. Adolescence can also be a particularly challenging time for adherence given the competing demands in an adolescents life, the unique developmental changes, and rapidly changing set of responsibilities as they transition to adulthood. There are few studies in pediatrics beyond the HIV literature that address non-adherence. The purpose of the FOA is to support research to improve adherence in adolescents with chronic kidney or urologic diseases, or diabetes. Therefore, the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) invites applications from new or established investigators to pursue research to better understand factors that influence adherence, develop appropriate measures of adherence, and test innovative strategies to enhance adherence in this vulnerable population.

Amount: \$2,500,000

LOI: October 18, 2010

Deadline: November 15, 2010

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

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

Deletion of Letters of Intent Information for Home and Family Based Approaches for the Prevention or Management of Overweight or Obesity in Early Childhood Program Announcements (PA-10-127 and PA-10-128)

NOT-DK-10-002

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

This Notice is to inform the scientific community that the NIDDK is amending PA-10-127: Home and Family Based Approaches for the Prevention or Management of Overweight or Obesity in Early Childhood (R01) and PA-10-128: Home and Family Based Approaches for the Prevention or Management of Overweight or Obesity in Early Childhood (R21) to reflect that Letters of Intent (LOIs) are not required for and are not applicable to these funding opportunity announcements (FOAs).

Amount:

LOI:

Deadline: Release Date: March 16, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-DK-10-002.html>

Key Words: **Obesity, Children**

YEAR 2011 MARCH OF DIMES RESEARCH PROGRAM

March of Dimes

We invite all qualified scientists with faculty appointments or the equivalent, at universities, hospitals and research institutions, to submit applications for research grants directed at the prevention of birth defects. Research subjects appropriate for support by the March of Dimes include basic biological processes governing development, genetics, clinical studies, studies of reproductive health, environmental toxicology, and social and behavioral studies.

Amount: \$300,000

LOI: April 30, 2010

Deadline: by invitation only

To learn more: http://www.marchofdimes.com/professionals/691_14434.asp

Key Words: **Birth Defects, Environmental Toxicology, Genetics, Reproductive Health**

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/PA-08-207.html>

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

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

RFA-HD-10-008

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

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

Amount: \$1,000,000

LOI: May 1, 2010

Deadline: June 1, 2010

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

Key Words: **Neonatal Medicine**

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

RFA-HD-10-003

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

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

Amount: \$1,000,000

LOI: May 1, 2010

Deadline: June 1, 2010

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

Key Words: **Neonatal Medicine**

Funding

Broad Foundation, Eli and Edythe L.

Broad Medical Research Program (BMRP)

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

Amount: unspecified

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

Deadline: Continuous

To learn more: <http://www.broadmedical.org/funding.htm>

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

Research Stimulation Grants

American Academy of Family Physicians (AAFP)

Proposals are being accepted for research stimulation grants that address clinical research questions of importance to family physicians and their patients and can be implemented within a typical family medicine setting. Funds may be requested to support pilot projects or preliminary efforts involving general or nutritional research in family medicine. It is hoped that these grants will lead to the completion of a larger research project. The foundation will only fund new uniquely identifiable research projects.

Amount: \$5,000

LOI: N/R

Deadline: Continuous

To learn more: <http://www.aafpfoundation.org/x446.xml>

Key Words: **Family Medicine**

Genomics

Gulf War Illness Research Program (GWIRP)

[Clinical Trial Award; Innovative Treatment Evaluation Award; Consortium Development Award; Investigator-Initiated Research Award]

New

W81XWH-10-GWIRP-CTA
W81XWH-10-GWIRP-ITEA
W81XWH-10-GWIRP-CONDEV
W81XWH-10-GWIRP-IIRA
DOD

Congressionally Directed Medical Research Programs (CDMRP)

The FY2010 Gulf War Illness Research Program (GWIRP) challenges the scientific community to design high-impact research that will improve the health and lives of veterans who have Gulf War Illness (GWI). GWI is characterized by multiple diverse symptoms that typically include chronic headache, widespread pain, cognitive difficulties, debilitating fatigue, gastrointestinal problems, respiratory symptoms, and other abnormalities that are not explained by established medical diagnoses or standard laboratory tests.

The GWIRP focuses its funding on innovative projects that have the potential to make a significant impact on GWI. These may take the form of identification of objective indicators of pathology that distinguish ill from healthy veterans, or studies to understand the underlying pathobiology of GWI. The GWIRP encourages risk-taking research; however, all projects must demonstrate solid judgment and sound rationale.

Amount: up to \$1,500,000; varies with award

LOI: May 14, 2010

Deadline: August 4, 2010

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

Key Words: **Glial Cells, Astrocytes, Central Neuroinflammatory Processes, GWI, Neuroendocrine Measures, Autonomic Nervous System Function, Immune Parameters, Chronic Infection, Gastrointestinal Complaints/Symptoms, Genomic Proteomic or Metabolic Characteristics of GWI**

T32 Postdoctoral Research Fellowship

T32HL072757-02

University of Alabama at Birmingham (UAB)

The Section on Statistical Genetics in the Department of Biostatistics at the University of Alabama at Birmingham is accepting applications from statistical and other scientists for postdoctoral positions in statistical genetics, genetic epidemiology, microarray analysis, or proteomic analysis.

Amount: not specified

LOI: N/R

Deadline: Continuous. Fellowship positions are open until filled.

To learn more: <http://www.soph.uab.edu/ssg/default.aspx?id=68>

Key Words:

ELSI Regular Research Program (R01)

PA-08-012

NIH

This Funding Opportunity Announcement (FOA) issued by the National Human Genome Research Institute, National Institutes of Health, encourages Research Program Grant (R01) applications from institutions/organizations that propose to study the ethical, legal and social implications (ELSI) of human genome research.

Amount: unspecified

LOI: N/R

Deadline: multiple dates, see announcement

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-012.html>

Key Words:

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

PAR-08-123

NIH

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

Amount: \$220,000 annually

LOI: N/R

Deadline: June 18, 2010

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

Key Words:

ELSI Small Research Program (R03)

PA-08-013

NIH

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

Amount: \$100,000 over 2 years

LOI: N/R

Deadline: multiple dates, see announcement

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

Key Words:

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:

Large Scale Production of Perturbagen-Induced Cellular Signatures (U54)

RFA-RM-10-003

National Institutes of Health (NIH)

National Human Genome Research Institute (NHGRI)

National Heart Lung and Blood Institute (NHLBI)

This FOA seeks to establish a pilot-scale data production effort to systematize approaches for identifying mechanism-based associations among the effects of disparate biological perturbations, a knowledge base that can be used to study functional relationships among the responding cellular components. The Library of Integrated Network-Based Cellular Signatures (LINCS) program will support the high-throughput collection and integrative computational analysis of informative molecular activity and cellular feature signatures generated in response to a variety of perturbing agents, including siRNAs and small bioactive molecules, which are

applied to a set of carefully selected cell types. The resulting knowledge will form the basis of a long-lived resource that can be used broadly by the community. For example LINCS may inform association of disease states with detailed molecular or cellular phenotypes, and ultimately associate disease with specific gene networks, or inform the mechanism of action of known drugs. This FOA seeks to fund pilot-scale data production efforts that will produce a usable initial resource while addressing the following issues: optimization of methods, integration of data, and scalability. Pilot production efforts will interact with multiple future additional components (data analysis and informatics tools; and development and integration of new production-ready technologies) of the LINCS program.

Amount: \$4,200,000

LOI: April 1, 2010

Deadline: April 27, 2010

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

Key Words: **Cellular Signaling, Small Molecules**

NIH Small Research Grant Program (Parent R03)

PA-10-064

National Institutes of Health (NIH)

multiple institutes

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

Amount: \$100,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-064.html>

Key Words: **Genome Research, Drug Abuse, Aging, Child Health and Development, Nursing**

Genetic Epidemiology of Substance Use Disorders (R03)

PA-07-414

National Institutes of Health (NIH)

The National Institute on Drug Abuse (NIDA) and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) seek to stimulate and expand research applying genetic epidemiologic methods to studies of substance and alcohol use disorders (SUDs/AUD, drug or alcohol abuse and dependence). Previous studies using twin, adoption, and family approaches indicate that genetic factors substantially contribute to the vulnerability to SUDs/AUD. Shared environmental factors have also been shown strongly to influence risk, particularly for the onset of substance and alcohol use, while heritability estimates generally rise with age and with progression from substance use to disorder. Significant advances have been made in our understanding of the developmental nature of the onset and progression of SUDs/AUD and in defining a disinhibited phenotype. Building on these findings, new studies are needed to apply genetic epidemiologic approaches to advance our understanding of a variety of developmental trajectories of SUD/AUD; integrate as well as differentiate genetic, environmental, and developmental factors in the onset and maintenance of SUD/AUD; broaden and refine phenotypic definitions of SUDs/AUD; guide the translation of etiologic findings to treatment, prevention, gene-finding and molecular studies; and meet the methodologic challenges of the field.

Amount: \$100,000

LOI: N/R

Deadline: Standard dates apply

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

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

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

PA-06-468/PA-08-226

National Institutes of Health (NIH)

The objective of the National Research Service Award (NRSA) program is to provide predoctoral and postdoctoral research training opportunities for individuals interested in pursuing research careers in biomedical, behavioral and clinical research. Each NIH Institute and Center has a unique scientific purview and different program goals and initiatives that evolve over time. It is therefore critical that all applicants consult with the scientific/research contact at the relevant NIH Institute or Center for current information about program

priorities and policies before preparing an application. This action is of utmost importance because applications with marginal or no relevance to the NIH awarding components participating in this funding opportunity announcement will not be accepted for review or considered for funding.

Amount: varies

LOI: N/R

Deadline: Jan 25 annually; May 25 annually

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-226.html>

Key Words: **Alcohol or Alcoholism, Allergy, Alternative Medicine, Arthritis, Biomedical Research (Multidisciplinary), Blood Diseases, Cancer or Carcinogenesis, Cardiovascular Diseases, Deafness, Diabetes, Digestive Diseases and Disorders, Drug Abuse Prevention, Environmental Health, Eye Diseases, Genomics, Geriatrics, Infectious Diseases or Agents, Internal Medicine, Mental Health, Musculoskeletal Diseases, Neurological Disorders, Nursing Education, Nutrition or Dietetics, Pediatrics, Pulmonary Diseases, Respiratory Diseases, Substance Abuse**

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

RFA-DA-10-019

National Institute on Drug Abuse (NIDA)

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

Amount: \$12,500,000

LOI: March 29, 2010

Deadline: April 29, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-019.html>

Key Words: **Addiction Phenotype/Genotypes**

Proteomics in Auditory Developmental and Disease Processes (R21)

PA-10-078

National Institute on Deafness and Other Communication Disorders (NIDCD)

The following examples are not meant to be comprehensive or restrictive, but rather represent projects relevant to the auditory system.

Examples of projects responsive to this FOA include but are not limited to:

Proteomic analysis of specific cell types of the inner ear, other auditory pathways, and/or their subcellular structures.

Proteomic analysis of specific otocyst cell/tissue types through a variety of developing stages.

Comparative analysis between proteome and transcriptome of a defined auditory cell and/or tissue type; comparative determination between proteomic and transcriptome results.

Comparative analysis of infection state in middle ear tissue, cell type, in response to invasion with otitis media pathogens; comparative proteomic analysis of infectious pathogens involved in middle ear infections upon biofilm or infection stimulus.

Proteomic analysis of auditory genetic disorders, presbycusis, environmental noise or drug trauma; biological and/or clinical in design.

Proteomic analysis of native purified and/or in vitro propagated cultures of putative auditory progenitor cells; comparative studies of transdifferentiated/induced auditory cells and subtypes.

Use of proteomic approaches to study the signal transduction networks related to transcription factors, cell surface receptors, growth factors, and other biomarkers relevant to auditory development.

Proteomic identification of novel signaling molecules and pathways involved in cell development, differentiation, communication, function and destruction, as applied to auditory signaling processes.

Development of novel proteomic bioinformatics for annotating genomic and protein sequence information for auditory function.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-078.html>

Key Words: **Proteomics, High Throughput Technologies, Hearing**

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

PA-10-085 and PA-10-086

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Research Project Grant (R01) applications that propose to study biological processes involving the cellular

organelles in alcohol-induced tissue injury. Excessive alcohol consumption can damage many organ systems including the liver, heart, pancreas, brain, and lung. However, the mechanisms for these injuries are currently not fully understood. Cellular organelles play an important role in cellular functions and are significantly involved in alcohol-induced tissue injury. Thus, studies of alcohol's effects on the structure and function of cellular organelles are critical to better understand the mechanisms of alcohol-induced injuries and to develop new strategies for their diagnosis and treatment. The purpose of this FOA is to: (1) better understand how acute or chronic alcohol consumption affects the structure and function of cellular organelles, and in turn, how these changes contribute to alcohol-induced injury; (2) investigate how variations of proteins in cellular organelles, or their regulation and function, including cellular signaling pathways, contribute to an individual's response to acute or chronic alcohol intake and alcohol-induced tissue injury; (3) develop potential biomarkers for prognosis and diagnosis of tissue injury, or identify new targets for therapeutic interventions. This FOA aims to foster the utilization of innovative experimental design and emerging technologies, such as genomics, proteomics, metabolomics, bioinformatics, as well as novel microscopic imaging techniques that illuminate functions in intact cells and tissues, to generate new mechanistic and clinical insights into alcohol-induced tissue injuries.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-085.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-086.html>

Key Words: **Alcohol-Induced Tissue Injury**

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

PA-10-093 and PA-10-094

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-093.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-094.html>

Key Words: **Alcohol-Induced Tissue Injury**

Epigenetic Factors Associated with Symptoms and Complications of Chronic Disorders (Competitive Revision R01) and (R01)

RFA-NR-10-005 and RFA-NR-10-004

National Institute of Nursing Research (NINR),

The National Institute of Nursing Research (NINR) invites applications to stimulate research that addresses underlying epigenetic factors in symptom expression and complications resulting from chronic disorders. It is anticipated that the findings from this research will help 1) identify individuals at the highest risk for developing severe symptoms and complications secondary to chronic disorders, 2) maximize symptom management, and 3) reduce, prevent, or reverse the occurrence of complications.

Amount: varies

LOI: April 17, 2010

Deadline: May 17, 2010

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

Key Words: **Chronic Disorders, Epigenetics, Symptom Management, Environmental Triggers, Epigenetic Predictors**

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

PAR-08-158

National Institute of Mental Health
National Institute on Aging
National Institute on Alcohol Abuse and Alcoholism
National Institute on Drug Abuse

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

Amount: \$150,000

LOI: 30 days prior to application receipt date

Deadline: multiple dates (May 28, 2010; January 28, 2011)

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

Key Words: **Animal Models**

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

PAR-08-199

National Institute of Mental Health (NIMH)

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

Amount: varies

LOI: N/R

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

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

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

Collaborative Research for Molecular and Genomic Studies of Behavior in Animal Models (R01)

PA-10-125

National Institute of General Medical Sciences (NIGMS)

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

The purpose of this Funding Opportunity Announcement (FOA), issued by the National Institute of General Medical Sciences (NIGMS) and the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institutes of Health, is to facilitate collaborative research, involving behavioral scientists and investigators with expertise in molecular biology and/or genomics, which addresses questions about the mechanisms of behavior in animal models. Applications from multiple PIs are encouraged.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-125.html>

Key Words: **Maternal Behavior, Social Development, Cognitive Development, Developmental Disability, Neuroimaging, Gene-Brain-Behavior Associations**

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

PA-07-457

National Institute of General Medical Sciences (NIGMS)

NIGMS invites investigator-initiated applications for research designed to generate genetic tools and genomic resources that will enable researchers to exploit the full potential of novel or developing model systems for comparative and functional genomic studies. The typical organism to be considered should have a publicly available draft of the genomic DNA sequence with a minimum of 5X coverage. In addition, the organism should show promise as, or be, a model for basic biological, developmental, or behavioral mechanisms.

Amount: \$1,000,000

LOI: N/R

Deadline: standard dates apply

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

Key Words: **Genetics, Genomics**

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

PAR-10-074 and PAR-10-073

National Institute of General Medical Sciences (NIGMS)

This FOA issued by the National Institute of General Medical Sciences (NIGMS), National Institutes of Health, encourages grant applications from institutions/organizations that propose to develop novel technologies and methodologies underpinning high-throughput structural biology. Applications for new ideas and approaches for protein production and structure determination for classes of challenging proteins are appropriate. Projects related to high-throughput structure determination by X-ray crystallography and NMR, as well as projects addressing other constituent tasks of structural biology, including structural genomics, are relevant to this FOA.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-074.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-10-073.html>

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

Enhancing Zebrafish Research with Research Tools and Techniques (R01)

PAR-08-139

National Institute of Diabetes and Digestive and Kidney Diseases

National Cancer Institute

National Eye Institute

National Human Genome Research Institute

National Heart, Lung, and Blood Institute

National Institute on Alcohol Abuse and Alcoholism

National

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

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

LOI: August 17, 2010

Deadline: September 17, 2010

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

Key Words:

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

PAR-10-041

National Institute of Dental and Craniofacial Research (NIDCR)

This funding opportunity announcement (FOA) will support meritorious research projects that involve secondary data analyses or development of statistical methodology using existing genome-wide data, relevant to human dental or craniofacial conditions or traits.

Amount: \$300,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-041.html>

Key Words: **Craniofacial, Dental Conditions**

Genetic Screens to Enhance Zebrafish Research (R01)

PAR-08-138

National Institute of Child Health and Human Development

National Cancer Institute

National Heart, Lung, and Blood Institute

National Institute on Aging

National Institute on Alcohol Abuse and Alcoholism

National Institute of Arthritis and Musculoskeletal

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

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

LOI: August 25, 2010

Deadline: September 24, 2010

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

Key Words:

Development of Multifunctional Drug and Gene Delivery Systems (R01)

PAR-10-048

National Institute of Biomedical Imaging and Bioengineering (NIBIB)

National Heart, Lung, and Blood Institute (NHLBI)

This Funding Opportunity Announcement (FOA), issued by the National Institute of Biomedical Imaging and Bioengineering and the National Heart, Lung, and Blood Institute, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose the engineering of novel, multifunctional drug and gene delivery systems that can target therapies to particular cells and intracellular compartments and can monitor delivery and determine therapeutic efficacy through the integration of advanced imaging and/or sensing technologies into the delivery system. Applications should propose to develop at least one prototype system by the end of the project period. Applications that are submitted to this FOA should include investigators from both the drug/gene delivery and imaging fields. Applicants are strongly encouraged to use the Multi-PD/PI model to meet the imaging and drug/gene delivery expertise.

Amount: varies

LOI: 30 days before Application Due Dates

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-048.html>

Key Words: Gene Delivery, Drug Delivery

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

PAR-09-135

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

This Funding Opportunity Announcement (FOA), issued by the National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health, encourages applications that propose to perform replication, fine-mapping, and sequencing studies of human genomic regions that are putatively associated with phenotypes relevant to the NIAMS mission. Genomic regions of interest are primarily those identified by genome-wide association studies (GWAS). The objective of this FOA is to enhance the identification of causal genes and genetic variants that influence complex diseases relevant to the NIAMS mission. Replication, fine-mapping, and sequencing studies are to be conducted in existing cohorts with defined phenotypes. This FOA will not support recruitment of human subjects, collection of medical or phenotypic data, studies using animal models, or the initial discovery phase of GWAS.

Amount: \$500,000

LOI: June 1, 2010; June 1, 2011

Deadline: June 29, 2010; June 29, 2011

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

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

NIH Small Research Grant Program (Parent R03)

PA-09-163

National Human Genome Research Institute (NHGRI)

National Institute on Drug Abuse (NIDA)

National Institute on Aging (NIA)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

National Institute of Allergy and Infectious Diseases (NIAID)

National In

The National Institutes of Health (NIH) Investigator-Initiated Small Grant (R03) funding opportunity supports small research projects that can be carried out in a short period of time with limited resources. Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigator's area of interest and competency. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research

technology. All investigator-initiated small grant applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests.

Amount: \$100,000

LOI: N/R

Deadline: Standard dates apply

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

Key Words: **Small Grants**

Initiative to Maximize Research Education in Genomics (R25)

PAR-09-245

National Human Genome Research Institute (NHGRI)

This funding opportunity supports two types of activities: (1) short, advanced level courses that are intended to disseminate new laboratory techniques, methods, analyses related to the mission of the NHGRI and (2) research education and training initiatives that are linked to specific NHGRI research initiatives, such as Centers of Excellence in Genomic Science (CEGS) and large-scale sequencing and database grants.

Amount: \$1,500,000

LOI: Thirty (30) days before application due date

Deadline: Standard dates apply

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

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

Common Pathogenetic Mechanisms of Lung Cancer and COPD (R01)

RFA-HL-11-002

National Heart, Lung, and Blood Institute (NHLBI)

National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA) issued by the National Heart, Lung, and Blood Institute and the National Cancer Institute, National Institutes of Health, solicits Research Project Grant (R01) applications from institutions/organizations to identify the fundamental etiopathogenetic commonalities between lung cancer and Chronic Obstructive Pulmonary Disease (COPD) in order to characterize: (a) the genotypic and phenotypic characteristics that determine individual susceptibility; and (b) the shared biochemical, molecular, and immunological pathways involved in the origin and progression of the two diseases.

Amount: \$2,340,000

LOI: May 18, 2010

Deadline: June 18, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-11-002.html>

Key Words: **Lung Cancer, COPD**

Next Generation Genetic Association Studies (U01)

RFA-HL-11-006

National Heart, Lung, and Blood Institute (NHLBI)

This FOA issued by the National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health, encourages applications from institutions or organizations that propose to utilize cellular reprogramming, molecular profiling, and genomics to investigate functional aspects of genetic variation in humans. NHLBI is soliciting a phased technology development and implementation program whose goal is to add a functional dimension to genomic studies by combining cellular reprogramming strategies with molecular profiling or cellular assays, followed by integration of this information with existing genotypic and clinical phenotypic data to assess how naturally occurring human genetic variation influences the activities of biological networks in cell-based models of disease. Since the design and conduct of such studies will require several areas of expertise, applicants are encouraged to include multiple PIs on the application. Mechanism of Support.

Amount: \$9,500,000

LOI: May 17, 2010

Deadline: June 15, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-11-006.html>

Key Words: **Molecular Profiling, Cellular Reprogramming**

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

RFA-HL-11-005

National Heart, Lung, and Blood Institute (NHLBI)

The purpose of this FOA issued by the NHLBI, National Institutes of Health, is to invite applications to participate in the MAPGen consortium. This consortium seeks to utilize evolving knowledge of cellular and molecular networks to define common mechanism-associated traits across organ systems. The ultimate goal is to re-define disease at the level of pathogenetic mechanisms and phenotype individuals based on pathobiology, rather than clinical presentation. This approach will provide the basis for the development of mechanism-based strategies for prevention, diagnosis and treatment in individual patients. This FOA encourages applications for research centers and runs in parallel with a separate FOA that solicits applications for the MAPGen Knowledge Base and Coordination Center (MAPGenKB) (see HL-11-004).

Amount: up to \$1,600,000

LOI: August 2, 2010

Deadline: September 1, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-11-005.html>

Key Words: **Biomarkers, Toll-like Receptor Type 2, Asthma, Diabetes, T Regulatory Cells, PPAR γ , Fat Disposition, Inflammatory Cytokines, Hypertension, Dementia, Smoking, Sleep Disorders**

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

RFA-HL-11-004

National Heart, Lung, and Blood Institute (NHLBI)

The National Heart, Lung, and Blood Institute (NHLBI) encourages grant applications under this Funding Opportunity Announcement (FOA) to develop and implement a Knowledge Base (KB) and Coordinating Center for the Consortium of Cross Organ Mechanism-Associated Phenotypes for Genetic Analyses of Heart, Lung, Blood, and Sleep Diseases (MAPGen for HLBS). This is one of two FOAs for the MAPGen program. The other FOA is for the Research Centers (RCs) of MAPGen and described separately in RFA-HL-11-005. The MAPGenKB will provide logistical and informatics support for the research across all RCs in the MAPGen consortium and synthesize the knowledge from the datasets of the RCs and other sources that are relevant to the goals of the MAPGen consortium. The data and tools generated from this consortium will be made available to the broad scientific community.

Amount: \$5,500,000

LOI: August 2, 2010

Deadline: September 1, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-11-004.html>

Key Words: **Genetic Analyses, Informatics**

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

RFA-EY-10-001

National Eye Institute (NEI)

The NEI Institutional Research Training Grants (T32) for Statistical Genetics and Genome Informatics is a Ruth L. Kirschstein National Research Service Award program that is intended to support predoctoral and postdoctoral training at institutions having the potential to develop meritorious training programs in genomic medicine, computational genomics, and statistical genetics. The goal of this program is to initiate a training program to develop ophthalmic statistical genetics and bioinformatics research skills critical for investigators seeking to identify genes and genetic variations underlying ocular diseases. This training program is designed to attract individuals in early career stages, in order to increase their knowledge and awareness of research in the genetics of ophthalmic disorders, and to encourage them to pursue research career opportunities in these scientific fields. Such training will help meet a growing need for investigators trained in computational genomics related to basic biomedical, clinical, and translational ophthalmic research.

Amount: \$1,500,000

LOI: N/R

Deadline: May 18, 2010, 2011, and 2012

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-EY-10-001.html>

Key Words: **Genomic Medicine, Ocular Diseases**

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

PA-10-138

National Center for Research Resources (NCRR)

This funding opportunity announcement (FOA) issued by NCRR, National Institutes of Health, encourages research grant applications from institutions/ organizations that propose to develop, characterize or improve animal models for human disease or to improve diagnosis and control diseases of laboratory animals that may interfere with research. Models to be considered must be applicable to the research interests of two or more categorical NIH Institutes/Centers. Investigators considering applying are strongly encouraged to consult with NCRR program staff as early as possible to be advised whether this FOA is appropriate. Proposals to develop models that would not have broad applications, but would apply only to a specific disease or category of research, should be proposed to the appropriate categorical institute of the National Institutes of Health (NIH), e.g., models or model systems with primary focus on cancer or heart diseases should contact those categorical institutes at NIH to discuss alternative funding opportunities.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-138.html>

Key Words: **Animal Models of Disease**

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

PA-10-035

National Cancer Institute (NCI)

Office of Dietary Supplements (ODS)

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-035.html>

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

Investigational Nutrigenetic Studies for Cancer Prevention

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

PA-08-220 and PA-08-221

National Cancer Institute (NCI)

National Institute of Nursing Research (NINR)

Office of Dietary Supplements (ODS)

This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), the National Institute of Nursing Research (NINR), and the Office of Dietary Supplements (ODS), all of the National Institutes of Health (NIH), solicits applications for research projects that can combine information on individual genetic variations from the Human Genome and International HapMap Projects to stimulate small pilot dietary intervention studies. The overarching goal is to examine whether genetic variants can predict individual response to dietary components that alter cancer processes and modify individual 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**

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

PA-10-031 and PA-10-032

National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages research applications that propose to evaluate profiles of methylation, histone modifications and micro RNA (miRNA) and their association with risk of developing cancer in different populations. The overarching goal of this FOA is to provide support for population based studies to define the role of epigenetic markers (methylation, histone and micro RNA profiles) changes to understand cancer etiology.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-031.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-032.html>

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

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

PAR-10-126

National Cancer Institute (NCI)

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

Amount: varies

LOI: [May 15, 2010](#), [May 15, 2011](#), [May 15, 2012](#)

Deadline: [June 15, 2010](#), [June 15, 2011](#), [June 15, 2012](#)

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-126.html>

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

DoD Tuberous Sclerosis Complex Career Transition Award

W81XWH-10-TSCR-CARTA

DOD

Congressionally Directed Medical Research Programs (CDMRP)

The CARTA supports TSC researchers during the transition from postdoctoral training to an independent position. This award will cover up to two years of postdoctoral training followed by up to two years of a faculty-level position. Under this award mechanism, the postdoctoral candidate is considered the Principal Investigator (PI). DOD FY10 Tuberous Sclerosis Complex Career Transition Award 3 Important aspects of this award are as follows: • The award covers the last two years of a postdoctoral fellowship and the first two years of an independent faculty position. • Career transition and development plans must be clearly articulated. • A mentor must be named who will support and guide the PI during the postdoctoral period of the award. • All applications must include preliminary data relevant to TSC research and the proposed project. Clinical trials are not allowed under this award mechanism. PIs wishing to apply for funding for a clinical trial should utilize the Clinical Research Award mechanism.

Amount: \$338,000

LOI: [April 29, 2010](#)

Deadline: [May 20, 2010](#)

To learn more:

<http://www.grants.gov/search/announce.do;jsessionid=ypQ1LX9VH6zyqVLFgTKd4CB6izLJdQlxwNZJG6d3IDmJw5RLy9v4!1585175360>

Key Words: **TSC Management, Skin, Epigenetic Factors, Cardiac Involvement, Metabolic and Nutritional Effects, Tuberous Sclerosis**

Genetic Studies of Food Allergies Research Program (GSFARP)

W81XWH-10-GSFARP-CA

W81XWH-10-GSFARP-IA

Department of Defense (DOD)

Congressionally Directed Medical Research Programs (CDMRP)

The FY10 GSFARP challenges the scientific and clinical communities to submit original ideas that foster new directions in basic science or translational research, or novel product development leading to improved therapeutic or diagnostic tools. The GSFARP seeks applications in laboratory, clinical, and epidemiologic research. Interdisciplinary and integrative approaches are welcomed.

Concept Award

Idea Award

Amount: up to \$300,000

LOI: [May 27, 2010](#)

Deadline: [June 10, 2010](#)

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

Key Words: **Food Allergies, Genetics**

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**

Geriatrics/Aging

The Brodsky Grant

New

The Alzheimer's Foundation of America

The Alzheimer's Foundation of America is accepting applications for its annual Brodsky Grant recognizing an innovative program or service that improves the lives of individuals with Alzheimer's disease and related illnesses, as well as the lives of their families.

The Brodsky Grant will provide \$30,000 to a new or existing program that better the lives of those affected by dementia, and exemplifies innovativeness, greatest need, and replication potential. Programs could involve, but are not limited to, hands-on care, delivery of social services, cognitive stimulation, the arts, safety, and training.

Only nonprofit organizations that are members of AFA may apply. Organizations that join AFA prior to the grant deadline are eligible.

Amount: \$30,000

LOI: N/R

Deadline: May 15, 2010

To learn more: http://www.alzfdn.org/AFAServices/brodsky_grant.html

Key Words: **Alzheimer's Disease, Respite Care**

Identification and Characterization of Molecular Targets Within the mTOR Pathway With Potential to Impact Healthspan and Lifespan (R21)

New

PA-10-164

National Institute on Aging (NIA)

National Cancer Institute (NCI)

This FOA issued by the National Institute on Aging and the National Cancer Institute encourages grant applications focused on: 1) identifying novel targets within the mTOR (mammalian target of rapamycin) signaling network, the manipulation of which has the potential to promote healthy aging, i.e. extend health span in the aged (NIA interest); and 2) identifying and characterizing dietary constituents that modulate the mTOR pathway and promote cancer prevention (NCI interest). Identification and characterization of targets can utilize a wide range of approaches, including medicinal chemistry, in vitro assays, and studies in lower organisms or mammalian models.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-164.html>

Key Words: **Rapamycin, mTOR, Signaling Pathways, Dietary Modifiers of mTOR**

Angiogenesis in the Nervous System in Health and Disease

(R01) [PA-08-015] and (R21) [PA-08-016]

PA-08-015 and PA-08-016

NIH

This Funding Opportunity Announcement (FOA) is a program announcement (PA) issued by the National Institute of Neurological Disorders and Stroke (NINDS), the National Eye Institute (NEI), the National Institute on Aging (NIA), the National Cancer Institute (NCI), and the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health (NIH). The aim of this FOA is to invite applications to study angiogenesis in the nervous system. Specific areas of research this FOA seeks to encourage include study of the mechanisms controlling angiogenic responses to physiological and pathological stimuli, the development and patterning of nervous system vasculature, and the etiology of disorders affecting development and/or ongoing angiogenesis in nervous system vasculature.

Amount: unspecified

LOI: N/R

Deadline: Multiple dates, see announcement

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

Key Words:

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

PA-08-037

NIH

The purpose of this funding opportunity announcement (FOA) is to encourage submission of investigator-initiated research applications on the thyroid in aging. This FOA is intended to promote basic, translational, and clinical studies leading to increased understanding of the physiology of the aging thyroid and improved diagnosis and management of thyroid disease in older adults

Amount: varies

LOI: N/R

Deadline: multiple; see announcement

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-037.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-038.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-039.html>

Key Words:

Alzheimer's Disease Pilot Clinical Trials (R01)

PAR-08-062

NIH

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

Amount: up to \$450,000 per year for 3 years

LOI: N/R

Deadline: multiple, see link

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-062.html>

Key Words:

Bioengineering Research Grants (BRG)[R01]

PA-06-419

National Institutes of Health (NIH), multiple institutes

The BRGs support multi-disciplinary research performed in a single laboratory or by a small number of investigators that applies an integrative, systems approach to develop knowledge and/or methods to prevent, detect, diagnose, or treat disease or to understand health and behavior. A BRG application may propose hypothesis-driven, discovery-driven, developmental, or design-directed research.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-06-419.html>

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

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

RFA-RM-10-002

National Institutes of Health (NIH)

Multiple Institutes

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

Amount: \$2,000,000

LOI: March 29, 2010

Deadline: April 26, 2010

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

Key Words: **Behavioral Interventions**

Scientific Meetings for Creating Interdisciplinary Research Teams (R13)

PA-10-106

National Institutes of Health (NIH)

Multiple Institutes

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

Amount: \$2,000,000

LOI: March 29, 2010

Deadline: April 26, 2010

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-106.html>

Key Words: **Behavioral Interventions**

Research Project Grant (Parent R01)

PA-10-067

National Institutes of Health (NIH)

multiple institutes

The Research Project Grant (R01) is an award made to an institution/organization to support a discrete, specified, circumscribed project to be performed by the named investigator(s) in areas representing the specific interests and competencies of the investigator(s). The R01 research plan proposed by the applicant institution/organization must be related to the stated program interests of one or more of the NIH Institutes and Centers (ICs) based on descriptions of their programs.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-067.html>

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

NIH Exploratory Developmental Research Grant Program (Parent R21)

PA-10-069

National Institutes of Health (NIH)

multiple institutes

The National Institutes of Health (NIH) Exploratory/Developmental Grant (R21) funding opportunity supports the development of new research activities in categorical program areas. (Support generally is restricted in level of support and in time.) Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigators area of interest and competency. All investigator-initiated exploratory/developmental applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests. Investigators are strongly encouraged to consult the list of participating ICs and special research interests. The Exploratory/Developmental Grant (R21) mechanism is intended to encourage exploratory and developmental research projects by providing support for the early and conceptual stages of these projects. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on a field of biomedical, behavioral, or clinical research.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-069.html>

Key Words: **Investigator Initiated**

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**

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

PA-08-176 and PA-08-177

National Institute on Deafness and Other Communication Disorders

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

Amount: \$500,000

LOI: N/R

Deadline: standard dates apply

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

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

Transdisciplinary Research on Fatigue and Fatigability in Aging (R21) [PA-08-161] Transdisciplinary Research on Fatigue and Fatigability in Aging (R21) [PA-08-162]

PA-08-161 and PA-08-162

National Institute on Aging

National Cancer Institute

National Institute of Nursing Research

Office of Dietary Supplements

Office of Research on Women's Health

The purpose of this funding opportunity announcement (FOA) is to encourage submission of exploratory or developmental research applications on fatigue and fatigability in aging. This FOA is intended to promote research studies employing transdisciplinary approaches that could lead to increased understanding of mechanisms contributing to, assessment of, or potential interventions for, increased fatigue or fatigability in older persons. This FOA is soliciting applications of an exploratory or developmental nature in order to stimulate new ideas, techniques, or approaches. Applications responsive to this announcement are not required to contain preliminary data, though such data may be included if available. Both animal models and humans are appropriate for study under this FOA.

Amount: limited to \$275,000 over an R21 two-year period,

LOI: N/R

Deadline: multiple dates, see announcement

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

Key Words:

Paul B. Beeson Patient-Oriented Research Career Development Award in Aging (K23)

RFA-AG-10-011

National Institute on Aging (NIA)

National Institute of Mental Health (NIMH)

National Institute of Neurological Disorders and Stroke (NINDS)

Office of Dietary Supplements (ODS)

This program provides three to five years of mentored career development support to clinically trained faculty members in strong research environments who have made a commitment to focus their research endeavors on patient-oriented research. The award will enable them to gain skills and experience in aging research under the guidance of a mentor or mentors, and to establish an independent program of research in this field. Clinically trained professionals or individuals with a clinical degree who are interested in further career development in biomedical research that is not patient-oriented should refer to the Paul B. Beeson Clinical Scientist Career Development Award in Aging (K08) [AG-10-010]. The program also includes an annual meeting that allows opportunities to partner with national mentors and fellow awardees.

Amount: \$800,001

LOI: December 14, 2010

Deadline: January 14, 2011

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

Key Words: **Clinical, Aging**

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

PA-09-165 and PA-09-166

National Institute on Aging (NIA)

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

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

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

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

Critical Illness and Injury in Aging (R03), (R01) and (R21)

PA-10-043 and PA-10-042 and PA-10-044

National Institute on Aging (NIA)

National Heart, Lung, and Blood Institute (NHLBI)

National Institute on Nursing Research (NINR)

This FOA encourages Small Research Project Grant (R03) applications proposing to study mechanisms and management of critical illness and injury in aging. Studies may be mechanistic, observational, or interventional in nature. Secondary analyses of existing datasets, such as from large observational studies or clinical trials, may be proposed. Animal studies are appropriate in cases where human studies are not feasible.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-043.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-042.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-044.html>

Key Words: **Injury, Aging**

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

PA-09-190

National Institute on Aging (NIA)
National Heart, Lung, and Blood Institute (NHLBI)
National Institute of Nursing Research (NINR)
Office of Research on Women's Health (ORWH)
Office of Dietary Supplements (ODS)

This FOA issued by the National Institute on Aging (NIA), the National Heart, Lung, and Blood Institute (NHLBI), the National Institute of Nursing Research (NINR), the Office of Research on Women's Health (ORWH), and the Office of Dietary Supplements (ODS) encourages Research Project Grant (R01) applications proposing to study bioenergetic factors underlying increased fatigability and activity limitations in aging. Increased fatigability is a significant cause of restricted physical and cognitive activity in older adults. Alterations in bioenergetics—the production and utilization of energy, and the regulation of these processes—may contribute significantly to increased fatigability. This FOA encourages applications that propose to 1) elucidate specific alterations in bioenergetics related to increased fatigability and activity limitations; 2) develop and evaluate improved measures of fatigability related to bioenergetics; 3) evaluate interventions for increased fatigability and activity limitations that target alterations in bioenergetics and lead to improved quality of life.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

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

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

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**

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/PAR-09-136.html>

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

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**

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**

Alzheimer's Disease Drug Development Program (U01)

PAR-08-266

National Institute on Aging (NIA)

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

Amount: \$4,000,000

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

Deadline: October 1, 2010, November 1, 2010, February 1, 2011, March 1, 2011, October 1, 2011 and November 1, 2011. (Note: The November and March receipt dates are for amended applications only).

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

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

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

PA-10-045

National Institute on Aging (NIA)

This FOA issued by the National Institute on Aging encourages Clinical Trial Planning Grant (R34) applications to develop research protocols for Phase III and IV clinical trials related to critical illness and injury in aging. The planning grant mechanism is intended to permit early peer review of the rationale and design of the proposed Phase III or IV clinical trial, and to support development of a research team, tools for data management and research oversight, recruitment strategies, detailed protocol and Manual of Procedures (MOP), and other essential components necessary for a competitive clinical trial application. This FOA is NOT designed for collecting preliminary data or conducting pilot studies in support of the scientific rationale for a clinical trial.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-045.html>

Key Words: **Injury, Aging**

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/PA-08-250.html>

Key Words: **Geriatrics, Gerontology**

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

PA-10-139

National Institute on Aging (NIA)

This Funding Opportunity Announcement (FOA), issued by the National Institute on Aging (NIA), is seeking small grant (R03) applications to conduct secondary analysis of social and behavioral data in aging. Specifically, NIA seeks applicants to: 1) stimulate and facilitate secondary analysis of data related to dynamics of health and disability, cognition, psychosocial and sociodemographic factors, genetics, and biomarkers, long term care, caregiving, behavioral medicine, retirement, economic status; 2) provide support for preliminary projects using secondary analysis that could lead to subsequent applications for other research grant award mechanisms; 3) provide support for analyses of new databases and experimental modules for purposes such as informing the design and content of future study waves; and 4) provide support for pilot research on under-utilized databases.

Amount: \$100,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-139.html>

Key Words: **Aging, Secondary Analysis, Existing Databases**

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**

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**

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

PA-09-265

National Institute on Aging (NIA)

The National Institute on Aging (NIA) invites applications to support short term projects involving secondary analysis of existing data sets or stored biospecimens, to address clinically-related issues on aging changes influencing health across the life span, and/or on diseases and disabilities in older persons.

Amount: \$750,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-265.html>

Key Words: **Secondary Analysis, Aging**

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**

Parkinson's Disease Data Organizing Center [PD-DOC] (U24)

RFA-NS-11-001

National Institute of Neurological Disorders and Stroke (NINDS)

National Institute of Environmental Health Sciences (NIEHS)

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

Amount: \$3,400,000

LOI: March 30, 2010

Deadline: April 30, 2010

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

Key Words: **Parkinson Disease, Data Organizing Center**

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

PAR-08-158

National Institute of Mental Health
National Institute on Aging
National Institute on Alcohol Abuse and Alcoholism
National Institute on Drug Abuse

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

Amount: \$150,000

LOI: 30 days prior to application receipt date

Deadline: multiple dates (May 28, 2010; January 28, 2011)

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

Key Words: **Animal Models**

The Clagett Family Research Grant

Foundation for Physical Therapy

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

Amount: \$300,000

LOI: March 1, 2010

Deadline: May 5, 2010

To learn more:

http://www.apta.org/AM/Template.cfm?Section=Awards_and_Scholarships&TEMPLATE=/CM/ContentDisplay.cfm&CONTENTID=67897

Key Words: **Exercise, Mobility, Physical Therapy, Aging**

Brain Disorders in the Developing World: Research Across the Lifespan (R01)

PAR-08-112 and PAR-08-113

Fogarty International Center (FIC)

National Institute on Aging (NIA)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

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

National Institute on Drug Abuse (

This Funding Opportunity Announcement (FOA) encourages grant applications proposing the development and conduct of innovative, collaborative research and research training projects, between High Income country (HIC) and low- to middle-income country (LMIC) scientists, on nervous system function and disorders throughout life, relevant to LMICs. The collaborative research programs are expected to contribute to the long-term goals of building sustainable research capacity in LMICs to address nervous system development, function and impairment throughout life and to lead to diagnostics, treatment and prevention strategies that are applicable worldwide. -Mechanism of Support. This FOA will utilize the NIH Research Project Grant (R01) award mechanism and runs in parallel with an FOA of identical scientific scope, PAR-08-113, that encourages applications under the Exploratory/Developmental Grant (R21) award mechanism.

Amount: varies

LOI: April 16, 2010

Deadline: May 14, 2010 (August 23, 2010 for AIDS applications)

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-112.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-08-113.html>

Key Words:

Development and Characterization of Animal Models for Aging Research (R01) and (R21)

PA-10-014 and PA-10-015

Development and Characterization of Animal Models for Aging Research (R01)

The purpose of this announcement is to describe areas of research of particular interest to the National Institute on Aging. This FOA seeks to promote research that develops, characterizes, refines and enhances model systems for aging research, including but not limited to animal models, cell lines, and informatics. This FOA issued by the National Institute on Aging, National Institutes of Health, encourages Research Project Grant (R01) applications that propose to: characterize aging at the physiological, biochemical and functional levels in existing animal models, including but not limited to animal models currently used in other scientific fields that have potential to benefit aging research; develop new animal models for aging research; develop unique cell lines for aging research; use

comparative biology to identify models of highest priority for aging research; or develop informatics that enhance the utilization of animals for aging research.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-014.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-015.html>

Key Words: **Animal Models, Aging, Geriatric**

Remote Patient Monitoring Diffusion Grants Program

Center for Technology and Aging

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

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

Amount: \$100,000

LOI: March 12, 2010

Deadline: April 30, 2010

To learn more: <http://www.techandaging.org/>

Key Words: **Remote Patient Monitoring, Independent Living, Aging**

Heart and Vascular

Angiogenesis in the Nervous System in Health and Disease

(R01) [PA-08-015] and (R21) [PA-08-016]

PA-08-015 and PA-08-016

NIH

This Funding Opportunity Announcement (FOA) is a program announcement (PA) issued by the National Institute of Neurological Disorders and Stroke (NINDS), the National Eye Institute (NEI), the National Institute on Aging (NIA), the National Cancer Institute (NCI), and the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health (NIH). The aim of this FOA is to invite applications to study angiogenesis in the nervous system. Specific areas of research this FOA seeks to encourage include study of the mechanisms controlling angiogenic responses to physiological and pathological stimuli, the development and patterning of nervous system vasculature, and the etiology of disorders affecting development and/or ongoing angiogenesis in nervous system vasculature.

Amount: unspecified

LOI: N/R

Deadline: Multiple dates, see announcement

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

<http://grants.nih.gov/grants/guide/pa-files/PA-08-016.html>

Key Words:

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

PA-09-181

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

National Heart Lung and Blood Institute (NHLBI)

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

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

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

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

PA-09-243 and PA-09-244

National Heart, Lung, and Blood Institute (NHLBI)

National Center for Complementary and Alternative Medicine (NCCAM)

National Institute of Nursing Research (NINR)

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

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

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

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

RFA-HL-11-005

National Heart, Lung, and Blood Institute (NHLBI)

The purpose of this FOA issued by the NHLBI, National Institutes of Health, is to invite applications to participate in the MAPGen consortium. This consortium seeks to utilize evolving knowledge of cellular and molecular networks to define common mechanism-associated traits across organ systems. The ultimate goal is to re-define disease at the level of pathogenetic mechanisms and phenotype individuals based on pathobiology, rather than clinical presentation. This approach will provide the basis for the development of mechanism-based strategies for prevention, diagnosis and treatment in individual patients. This FOA encourages applications for research centers and runs in parallel with a separate FOA that solicits applications for the MAPGen Knowledge Base and Coordination Center (MAPGenKB) (see HL-11-004).

Amount: up to \$1,600,000

LOI: August 2, 2010

Deadline: September 1, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-11-005.html>

Key Words: **Biomarkers, Toll-like Receptor Type 2, Asthma, Diabetes, T Regulatory Cells, PPARg, Fat Disposition, Inflammatory Cytokines, Hypertension, Dementia, Smoking, Sleep Disorders**

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

RFA-HL-11-004

National Heart, Lung, and Blood Institute (NHLBI)

The National Heart, Lung, and Blood Institute (NHLBI) encourages grant applications under this Funding Opportunity Announcement (FOA) to develop and implement a Knowledge Base (KB) and Coordinating Center for the Consortium of Cross Organ Mechanism-Associated Phenotypes for Genetic Analyses of Heart, Lung, Blood, and Sleep Diseases (MAPGen for HLBS). This is one of two FOAs for the MAPGen program. The other FOA is for the Research Centers (RCs) of MAPGen and described separately in RFA-HL-11-005. The MAPGenKB will provide logistical and informatics support for the research across all RCs in the MAPGen consortium and synthesize the knowledge from the datasets of the RCs and other sources that are relevant to the goals of the MAPGen consortium. The data and tools generated from this consortium will be made available to the broad scientific community.

Amount: \$5,500,000

LOI: August 2, 2010

Deadline: September 1, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-11-004.html>

Key Words: **Genetic Analyses, Informatics**

Ancillary Studies in Clinical Trials (R01)

RFA-HL-10-024

National Heart, Lung, and Blood Institute (NHLBI)

The purpose of this Funding Opportunity Announcement (FOA) is to solicit research grant applications to conduct time-sensitive ancillary studies related to heart, lung, and blood diseases and sleep disorders in conjunction with ongoing clinical trials and other large

clinical studies supported by NIH or non-NIH entities. The program establishes an accelerated review/award process to support the crucial time frame in which these ancillary studies must be performed. Time-sensitive ancillary studies include those that require active longitudinal data collection and thus need to begin recruiting subjects as close as possible to the start of the parent study. The ancillary study can address any research questions related to the mission of NHLBI for which the parent study can provide participants, infrastructure, and data. The parent studies most often will be a clinical trial, but also can be an observational study or registry that can provide a sufficient cohort of well-characterized patients. Each ancillary study application must demonstrate the time-sensitive nature of the proposal and must explicitly address why an expedited review is essential to its feasibility.

Amount: \$1,000,000

LOI: [April 28, 2010](#), [August 30, 2010](#), [December 28, 2010](#)

Deadline: May 28, 2010, September 30, 2010, January 28, 2011

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-10-024.html>

Key Words: **Clinical Trials**

Research Dissemination and Implementation Grants (R18)

PAR-10-114

National Heart, Lung, and Blood Institute (NHLBI)

The purpose of this Funding Opportunity Announcement (FOA) is to support dissemination and implementation studies to (1) develop innovative approaches to translating efficacious treatments and effective prevention modalities for heart, lung, and blood diseases and sleep disorders to the clinic, community, and/or other real-world settings; (2) test the effectiveness, sustainability, determinants, and cost-effectiveness of these approaches in real-world settings; and (3) examine the effectiveness of interventions as they are disseminated and implemented in real-world settings to reduce risk factors for and enhance prevention and treatment of heart, lung, and blood diseases and sleep disorders. Mechanism of Support. This FOA will utilize the NIH Research Demonstration and Dissemination Project (R18) grant mechanism. Funds Available and Anticipated Number of Awards. Awards issued under this FOA are contingent upon the availability of funds and the submission of a sufficient number of meritorious applications.

Amount: varies

LOI: [April 25, 2010](#); thirty days prior

Deadline: May 25, 2010, then standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-114.html>

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

NHLBI Clinical Trial Pilot Studies (R34)

PAR-10-005

National Heart, Lung, and Blood Institute (NHLBI)

The National Heart, Lung, and Blood Institute (NHLBI) (<http://www.nhlbi.nih.gov>) invites applications proposing pilot studies to obtain data that is critical for the design of robust clinical trials. This Funding Opportunity Announcement (FOA) should be used to fill gaps in scientific knowledge necessary to develop a competitive full-scale clinical trial. Appropriate pilot studies might demonstrate feasibility of an intervention or an experimental design, estimate intervention parameters, or gather other data important for the design of a trial. Applicants who propose solely to write a protocol or manual of operations or to develop infrastructure for a clinical trial will not be considered appropriate for to this announcement. Applications must demonstrate that the proposed pilot studies are both necessary and sufficient to permit the design of the clinical trial.

Amount: \$450,000

LOI: 30 days prior to standard application due dates

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-005.html>

Key Words: **Clinical Trials, Heart, Lung, Blood, or Sleep Disorders**

NHLBI Systems Biology Collaborations (R01)

PAR-09-214

National Heart, Lung, and Blood Institute (NHLBI)

This FOA issued by the National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose collaborative systems biology research projects by multi-disciplinary teams to advance our understanding of normal physiology and perturbations associated with heart, lung, blood, and sleep (HLBS) diseases and disorders. Multi-disciplinary expertise across experimental and computational domains is required and the multi-PI mechanism is allowed, as integration across these domains is a critical element of the proposed research plan.

Amount: varies

LOI: [August 14, 2010](#); [December 14, 2010](#); [August 14, 2011](#); [December 14, 2011](#)

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

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

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

New Approaches to Arrhythmia Detection and Treatment (SBIR [R43/R44]) and (STTR [R41/R42])

PA-10-117 and PA-10-118

National Heart, Lung, and Blood Institute (NHLBI)

This Funding Opportunity Announcement (FOA) encourages Small Business Innovation Research (SBIR) grant applications from small business concerns (SBCs) that propose to improve our ability to detect, prevent, and treat all forms of cardiac arrhythmias. This initiative encourages SBCs to develop improved diagnostic and therapeutic tools, products, or devices for cardiac arrhythmia monitoring, detection and treatment.

Amount: up to \$1,200,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-117.html>

Key Words: **Cardiac Arrhythmia**

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

PA-09-248

National Heart, Lung, and Blood Institute (NHLBI)

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

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-248.html>

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

Notice of Intent to Publish a Request for Applications for The Pediatric Heart Network (U10)

NOT-HL-11-104

National Heart, Lung, and Blood Institute (NHLBI)

The National Heart, Lung, and Blood Institute (NHLBI) and the Canadian Institutes of Health Research (CIHR) intend to issue a new Funding Opportunity Announcement (FOA) to solicit invitations to participate in the Pediatric Heart Network (PHN), a cooperative network of pediatric cardiovascular clinical research centers.

This Notice is being provided to allow potential applicants sufficient time to develop meaningful collaborations and responsive projects. The FOA is expected to be published in June 2010 with an expected receipt date in October 2010.

Amount:

LOI:

Deadline: Released March 5, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-HL-11-104.html>

Key Words: **Pediatric Heart Disease**

Investigator Initiated Multi-Site Clinical Trials (Collaborative R01)

PAR-10-096

National Heart, Lung, and Blood (NHLBI)

The purpose of this Funding Opportunity Announcement is to provide a vehicle for submitting grant applications for investigator-initiated multi-site Phase II or Phase III randomized, controlled clinical trials. The trials may address any research question related to the mission and goals of NHLBI and may test clinical or behavioral interventions.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-096.html>

Key Words: **Clinical Trials**

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

PA-09-232

National Heart, Lung and Blood Institute (NHLBI)

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

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

Key Words: **MD/PhD Fellowships**

Predoctoral and Postdoctoral Fellowships

American Heart Association

Midwest Affiliate

Predoctoral Fellowship

Helps students initiate careers in cardiovascular or stroke research by providing research assistance and training.

Postdoctoral Fellowship

Helps a trainee initiate a career in cardiovascular research while obtaining significant research results.

Amount: unspecified

LOI: N/R

Deadline: July 27, 2010

To learn more: <http://www.americanheart.org/presenter.jhtml?identifier=9713>

Key Words: **Cardiovascular, Stroke, Fellowships**

Immunology

Scleroderma Foundation Research Grant

New

The Scleroderma Foundation

The foundation is interested in fostering development of innovative high-quality research by new and established investigators in fields related to systemic sclerosis. To accomplish this goal, two distinct research grants are offered — the Scleroderma Foundation New Investigator Grant and the Scleroderma Foundation Established Investigator Grant.

Amount: \$150,000

LOI: N/R

Deadline: September 15, 2010

To learn more: <http://www.scleroderma.org/research/researchhome.shtm>

Key Words: **Scleroderma, Autoimmune Diseases**

Small Grants on Primary Immunodeficiency Diseases (R03) and (R21)

New

PA-10-147 and PA-10-148

National Institute of Allergy and Infectious Diseases (NIAID)

National Institute of Child Health and Human Development (NICHD)

The purpose of this Funding Opportunity Announcement (FOA) is to support small grants in primary immunodeficiency diseases focusing on ex vivo studies with human specimens and on studies with current or new animal models, including novel clinical strategies for detecting, identifying the molecular basis of, or developing innovative therapies for primary immunodeficiency diseases.

Amount: \$50,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-147.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-147.html>

Key Words: **Animal Models of Immunodeficiency Diseases**

Consortia for AIDS Vaccine Research in Nonhuman Primates (P01)

New

RFA-AI-10-004

National Institute of Allergy and Infectious Diseases (NIAID)

This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institute of Health (NIH), solicits applications that propose to establish a collaborative, multidisciplinary research program to investigate viral and host events that occur at the earliest stages of mucosal infection of nonhuman primates (NHP) with simian immunodeficiency virus (SIV), and to identify vaccines and vaccine-induced immune responses that can block initial infection, prevent establishment of systemic infection, or significantly reduce pathogenic effects of SIV infection.

Amount: \$25,000,000

LOI: October 1, 2010

Deadline: November 3, 2010

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

Key Words: **Primates, HIV, SIV**

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

New

PAR-10-161

National Institute of Allergy and Infectious Diseases (NIAID)

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

Amount: \$12,500,000

LOI: October 8, 2010; October 7, 2011; October 9, 2012

Deadline: March, 2011, 2012, 2013

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-161.html>

Key Words: **Vaccine Trials, HIV/AIDS**

Lupus Research Institute 2010 Novel Research Projects

New

Lupus Research Institute

The Lupus Research Institute — founded to support highly promising, idea-driven, novel approaches to discover the cause of lupus, improve treatment, and develop a cure — invites applications for financial support starting December 2010 for novel research projects relevant to Systemic Lupus Erythematosus.

Research applications will be judged principally on novelty of the hypotheses, scientific quality, strength of approach, relevance to lupus, and likelihood of success. Creativity will be valued. Rationale for the hypotheses proposed rather than amount of preliminary data will be emphasized.

Projects on aspects of the disease that have been less extensively studied and applications from investigators in diverse disciplines, including those who may not have previously worked in lupus, are encouraged. Investigations should be relevant to basic, translational, or clinical research on lupus.

Amount: \$300,000

LOI: N/R

Deadline: May 28, 2010

To learn more: http://www.lupusresearchinstitute.org/research/grant_application

Key Words: **Lupus**

Gulf War Illness Research Program (GWIRP)

[Clinical Trial Award; Innovative Treatment Evaluation Award; Consortium Development Award; Investigator-Initiated Research Award]

New

W81XWH-10-GWIRP-CTA

W81XWH-10-GWIRP-ITEA

W81XWH-10-GWIRP-CONDEV

W81XWH-10-GWIRP-IIRA

DOD

Congressionally Directed Medical Research Programs (CDMRP)

The FY2010 Gulf War Illness Research Program (GWIRP) challenges the scientific community to design high-impact research that will improve the health and lives of veterans who have Gulf War Illness (GWI). GWI is characterized by multiple diverse symptoms that typically include chronic headache, widespread pain, cognitive difficulties, debilitating fatigue, gastrointestinal problems, respiratory symptoms, and other abnormalities that are not explained by established medical diagnoses or standard laboratory tests.

The GWIRP focuses its funding on innovative projects that have the potential to make a significant impact on GWI. These may take the form of identification of objective indicators of pathology that distinguish ill from healthy veterans, or studies to understand the underlying pathobiology of GWI. The GWIRP encourages risk-taking research; however, all projects must demonstrate solid judgment and sound rationale.

Amount: up to \$1,500,000; varies with award

LOI: May 14, 2010

Deadline: August 4, 2010

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

Key Words: **Glial Cells, Astrocytes, Central Neuroinflammatory Processes, GWI, Neuroendocrine Measures, Autonomic Nervous System Function, Immune Parameters, Chronic Infection, Gastrointestinal Complaints/Symptoms, Genomic Proteomic or Metabolic Characteristics of GWI**

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

PA-08-246 and PA-08-247

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

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

Amount: varies

LOI: N/R

Deadline: standard dates apply

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

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

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

PA-08-131 and PA-08-132

NIH

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

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

Key Words:

Unique Interactions Between Tobacco Use and HIV/AIDS

[(R01) PA-08-253] and [(R03) PA-08-254]

PA-08-253 and PA-08-254

National Institute on Drug Abuse (NIDA)

Fogarty International Center (FIC)

The purpose for this FOA issued by the National Institute on Drug Abuse and the Fogarty International Center encourages Research Project Grant (R01) applications from institutions/organizations that propose to stimulate research related to the unique, interactive health effects of cigarette smoking and HIV/AIDS.

Amount: unspecified

LOI: N/R

Deadline: standard dates apply

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

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

Mechanisms of Alcohol-Induced Tissue Injury (R01)

PA-08-164

National Institute on Alcohol Abuse and Alcoholism

National Heart, Lung, and Blood Institute

The National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Heart Lung and Blood Institute (NHLBI), National Institutes of Health (NIH), solicit the submission of investigator-initiated research grant applications to support research investigating the Mechanisms of Alcohol Induced Tissue Injury in diverse groups and across the life span.

Amount: \$250,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-164.html>

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

Erythropoiesis: Components and Mechanisms (R01)

PA-09-255

National Institute of Diabetes and Digestive and Kidney Diseases

National Heart, Lung, and Blood Institute (NHLBI)

National Institute on Aging (NIA)

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

Amount: \$2,500,000

LOI: N/R

Deadline: Standard dates apply

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

Key Words: **Erythropoiesis**

Ancillary Studies in Immunomodulation Clinical Trials (R01)

RFA-AI-10-014

National Institute of Allergy and Infectious Diseases (NIAID), (<http://www.niaid.nih.gov>)

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

National Institute of Neurological Disorders and Stroke (NINDS)

National Institute of

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.

Amount: \$1,000,000

LOI: April 9, 2010

Deadline: June 9, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-10-014.html>

Key Words: **Immune Modulation**

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**

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

NOT-AI-10-012

National Institute of Allergy and Infectious Diseases (NIAID)

The purpose of this Notice is to announce two changes in PAR-08-206 entitled "Investigations on Primary Immunodeficiency Diseases (R01)" <http://grants.nih.gov/grants/guide/pa-files/PAR-08-206.html>:

NIAID is now allowing renewals and resubmissions to this FOA. If a "resubmission" application is submitted, a one-page "Introduction" is required addressing the previous peer review critique.

A new IC contact is being identified.

New contact information:

David R. Johnson, Ph.D.

Division of Allergy, Immunology and Transplantation

National Institute of Allergy and Infectious Diseases

Room 6714-B, MSC-6601

6610 Rockledge Drive

Bethesda, MD 20892-6601

Telephone: (301) 496-7104

Fax: (301)-480-1450

Email: : drjohnson@niaid.nih.gov

All other aspects of this FOA remain unchanged.

Amount:

LOI:

Deadline: Release Date March 11, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-AI-10-012.html>

Key Words: **Immunodeficiency Diseases**

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

RFA-AI-10-001

National Institute of Allergy and Infectious Diseases (NIAID)

This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), solicits Research Project Grant (R01) applications to enhance the understanding of early events in mucosal transmission of HIV/SIV leading to the discovery of novel mechanism(s) of virus transmission, host cell-virus interaction and to advance new concepts for HIV prevention strategies/approaches. The emphasis of this FOA is discovery research focused on acquiring novel insights that may lead to the development of new conventional or outside-the-box approaches to vaccines and non-vaccine biomedical

prevention strategies for optimizing mucosal protection against HIV/SIV. Investigators new to the HIV field and established HIV investigators are encouraged to apply.

Amount: \$1,750,000

LOI: June 18, 2010

Deadline: July 19, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-10-001.html>

Key Words: **HIV/SIV, Viral Transmission**

Amyotrophic Lateral Sclerosis Research Program (ALSRP)

[Therapeutic Development Award; Therapeutic Idea Award]

W81XWH-10-ALSRP-TDA

W81XWH-10-ALSRP-TIA

DOD

Congressionally Directed Medical Research Programs (CDMRP)

The FY2010 Amyotrophic Lateral Sclerosis Research Program (ALSRP) promotes the introduction of improved therapies for ALS by encouraging ALS investigators to undertake preclinical studies of novel and existing agents.

Amount: varies with award; up to \$1,500,000

LOI: May 14, 2010

Deadline: August 4, 2010

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

Key Words: **ALS, Preclinical Model Systems, Pharmacologic Agents**

Department of Defense Multiple Sclerosis Research Program (MSRP)

W81XWH-10-MSRP-IA

Department of Defense Congressionally Directed Medical Research Programs

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

Amount: up to \$450,000

LOI: Idea Award-March 11, 2010

Deadline: Idea Award June 10, 2010

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

Key Words: **Multiple Sclerosis**

Genetic Studies of Food Allergies Research Program (GSFARP)

W81XWH-10-GSFARP-CA

W81XWH-10-GSFARP-IA

Department of Defense (DOD)

Congressionally Directed Medical Research Programs (CDMRP)

The FY10 GSFARP challenges the scientific and clinical communities to submit original ideas that foster new directions in basic science or translational research, or novel product development leading to improved therapeutic or diagnostic tools. The GSFARP seeks applications in laboratory, clinical, and epidemiologic research. Interdisciplinary and integrative approaches are welcomed.

Concept Award

Idea Award

Amount: up to \$300,000

LOI: May 27, 2010

Deadline: June 10, 2010

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

Key Words: **Food Allergies, Genetics**

Year 2010 Department of Defense Peer Reviewed Medical Research Program

W81XWH-10-PRMRP-CTA

W81XWH-10-PRMRP-IIRA

W81XWH-10-PRMRP-TTDA

Department of Defense (DOD)

Congressionally Directed Medical Research Programs (CDMRP)

All applications for PRMRP funding must specifically and clearly address at least one of the topic areas as directed by Congress, and have direct relevance to the health care needs of the Armed Forces, their family members, and/or the U.S. veteran population. If the proposed research has no relevance to currently advertised PRMRP topic areas, the Government reserves the right to administratively

withdraw the application. The Government also reserves the right to reassign the proposal's topic area if submitted under an inappropriate topic area. The FY10 PRMRP topic areas as provided by Congress are listed below.

Chronic Migraine and Post-traumatic Headache

Dystonia

Drug Abuse

Epilepsy

Fragile X Syndrome

Inflammatory Bowel Disease

Interstitial Cystitis

Listeria vaccine for infectious disease

Lupus

Mesothelioma

Neuroblastoma

Osteoporosis and related bone disease

Paget's Disease

Pheochromocytoma

Polycystic Kidney Disease

Post-traumatic Osteoarthritis

Scleroderma

Social Work Research

Tinnitus

Amount: up to \$2,200,000

LOI: April 22, 2010 for Clinical Trial Award, Technology/Therapeutic Development Award

Deadline: May 13, 2010 for Clinical Trials Award, Technology/Therapeutic Development Award

August 5, 2010 for Investigator-Initiated Research Award

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

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

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**

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**

Infectious Disease/Biopreparedness

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

New

PAR-10-161

National Institute of Allergy and Infectious Diseases (NIAID)

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

Amount: \$12,500,000

LOI: [October 8, 2010](#); [October 7, 2011](#); [October 9, 2012](#)

Deadline: March, 2011, 2012, 2013

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-161.html>

Key Words: **Vaccine Trials, HIV/AIDS**

Consortia for AIDS Vaccine Research in Nonhuman Primates (P01)

New

RFA-AI-10-004

National Institute of Allergy and Infectious Diseases (NIAID)

This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institute of Health (NIH), solicits applications that propose to establish a collaborative, multidisciplinary research program to investigate viral and host events that occur at the earliest stages of mucosal infection of nonhuman primates (NHP) with simian immunodeficiency virus (SIV), and to identify vaccines and vaccine-induced immune responses that can block initial infection, prevent establishment of systemic infection, or significantly reduce pathogenic effects of SIV infection.

Amount: \$25,000,000

LOI: [October 1, 2010](#)

Deadline: November 3, 2010

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

Key Words: **Primates, HIV, SIV**

Gulf War Illness Research Program (GWIRP)

[Clinical Trial Award; Innovative Treatment Evaluation Award; Consortium Development Award; Investigator-Initiated Research Award]

New

W81XWH-10-GWIRP-CTA

W81XWH-10-GWIRP-ITEA

W81XWH-10-GWIRP-CONDEV

W81XWH-10-GWIRP-IIRA

DOD

Congressionally Directed Medical Research Programs (CDMRP)

The FY2010 Gulf War Illness Research Program (GWIRP) challenges the scientific community to design high-impact research that will improve the health and lives of veterans who have Gulf War Illness (GWI). GWI is characterized by multiple diverse symptoms that typically include chronic headache, widespread pain, cognitive difficulties, debilitating fatigue, gastrointestinal problems, respiratory symptoms, and other abnormalities that are not explained by established medical diagnoses or standard laboratory tests.

The GWIRP focuses its funding on innovative projects that have the potential to make a significant impact on GWI. These may take the form of identification of objective indicators of pathology that distinguish ill from healthy veterans, or studies to understand the underlying pathobiology of GWI. The GWIRP encourages risk-taking research; however, all projects must demonstrate solid judgment and sound rationale.

Amount: up to \$1,500,000; varies with award

LOI: [May 14, 2010](#)

Deadline: August 4, 2010

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

Key Words: **Glial Cells, Astrocytes, Central Neuroinflammatory Processes, GWI, Neuroendocrine Measures, Autonomic Nervous System Function, Immune Parameters, Chronic Infection, Gastrointestinal Complaints/Symptoms, Genomic Proteomic or Metabolic Characteristics of GWI**

AHRQ Small Research Grant Program (R03)

New

PA-10-168

Agency for Healthcare Research and Quality (AHRQ)

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

Amount: \$100,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-168.html>

Key Words: **Comparative Effectiveness Research, Prescription Drugs and Medicare, Arthritis and Non-Traumatic Joint Disorders, Cancer, Cardiovascular Disease, Stroke, Hypertension, Dementia, Alzheimer's Disease, Depression, Developmental Delays, ADHD, Autism, Diabetes, Infectious Diseases, HIV/AIDS, Obesity, Peptic Ulcer, Dyspepsia, Pregnancy, Pulmonary Disease/Asthma, Substance Abuse**

ARL/ARO Broad Agency Announcement-Revised

W911NF-07-R-0001-02

U.S. Army Research Laboratory (ARL)

14.0. Extramural research in the Life Sciences is supported by the Army Research Office. For those proposals related to purely medical topics, the investigator is invited to contact the U.S. Army Medical Research and Materiel Command. For research in the behavioral and social sciences or in training techniques, contact the Army Research Institute for Behavioral and Social Sciences. The ARO Life Sciences Division research program is currently focused on four sub

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

14.1. Bioengineering. Fundamental studies to define structure-function relationships and biochemical interactions for enzymes, receptors and other macromolecules exhibiting mechanisms and properties uniquely relevant to synthetic and degradative pathways of interest to the military, including establishment of the foundations for manipulation and exploitation of biocatalysis, ribosomal and non-ribosomal biosynthesis to enhance permissiveness toward elaboration of useful biomolecular structures and cellular systems designed with "metabolic engineering" in mind. Also, research to provide insight from nature on novel theoretical principles and mechanisms in sensory and motor function, as well as on materials with extraordinary properties, from biological sources. Includes not only initial molecular events, signal transduction pathways and integrated information processing for the powerful sensing capabilities exhibited in the biological world, but also self-assembly processes, hierarchical structure formation, and functional characterization of biomolecular materials such as those with potential "biomimetic" utility for nanometer scale fabrication or for energy and information transfer, among other possibilities. Technical Point of Contact: Dr. Robert Kokoska, Robert.kokoska@us.army.mil, (919) 549-4342.

14.2 Molecular Genetics and Genomics. This program emphasizes basic research in molecular genetics and genomics that will enable optimization of soldier cognitive and physical performance, soldier protection, and Army logistics. This includes human performance and protection under both normal conditions, and when affected by a variety of stressors that are likely to be encountered in battlefield situations, such as dehydration, heat, cold, sleep deprivation, fatigue, caloric insufficiency, microbial factors, and psychological stress. Genetic and genomic research areas include identification and characterization of gene function, gene regulation, genetic interactions, gene pathways, gene expression patterns, mitochondrial regulation and biogenesis, and nuclear and mitochondrial DNA replication, mutagenesis, oxidative stress, and DNA repair. Also molecular responses to pathogens, pathogen identification, and pathogen inactivation, as well as host-pathogen interactions, and host components of infection and resistance to infection. This program is also interested in the biotechnology of microarrays, including both genomic- and proteomic-based platforms, for real time detection of pathogens or physiological states that would reduce or interfere with human performance. This program also supports development of new biomaterials and bioproduction methods, and other advances in biotechnology methods and applications. Technical Point of Contact: Dr. Micheline Strand, e-mail: Micheline.strand@us.army.mil, (919) 549-4343.

14.3. Microbiology and Biodegradation. Biochemical and physiological mechanisms, underlying the biodegradative processes in normal, extreme, and engineered environments and fundamental studies on organisms in these environments, the properties of materials that make them susceptible or resistant to biological attack, basic concepts for anti-fungals, and studies of microbiological mechanisms with potential for contributing to the remediation of sites

contaminated with toxic wastes. Included are research investigations in analytical microbiology (including microbial signatures), and in general microbial mechanisms with relevance to Army problems. Addressed here also is research into microbial communities and how to study organisms that cannot be grown in the lab, as well as research into methods to enhance the stabilization of military materiel, which would include methods to prevent microbial growth.

Also included is the development of microbial systems for unique biotechnological applications and bioengineering processes with individual microbial species or consortia of microorganisms, emphasizing the control, stability, and mechanisms of the basic cellular processes involved. Technical Point of Contact: Dr. Micheline Strand, e-mail: Micheline.strand@us.army.mil, (919) 549-4343.

14.4 Neurophysiology and Cognitive Neuroscience. Research in the perception and cognition subfields of neurophysiology and the cognitive neurosciences, covering several or all areas of electrophysiology, psychophysiology, sensory and perceptual physiology, computational neurobiology, psychophysics, neuropsychology, and integrative neurobiology is of interest. Specific examples can include physiological, neuro-psychological and/or cortical/cognitive

mechanisms underlying successful completion of complex task behaviors applicable to nonlaboratory environments under non-ideal conditions, to include both amelioration of induced losses as well as enhancement in defined perceptual, cognitive and/or motor abilities. Investigations can span the gamut from multi-unit recordings through evoked potentials and neuro-imaging technologies to humoral and psychological correlates of both central and peripheral nervous system function. Non-medically oriented research designed to elucidate the fundamental physiology underlying cognition and possible non-invasive methods of monitoring cognitive states and processes during normal activity is appropriate. Perceptual and/or psychophysiological implications of mind-machine interfaces ranging from optimizing auditory, visual and/or somatosensory display and control systems based on physiological or psychological states

through modeling of individual cognitive dynamics and decision making is appropriate to this research area. Technical Point of Contact: Dr. Elmar T. Schmeisser e-mail elmar.schmeisser@us.army.mil, (919) 549-4318.

Amount: unspecified

LOI: N/R

Deadline: September 30, 2011

To learn more: http://www.arl.army.mil/www/DownloadedInternetPages/CurrentPages/DoingBusinesswithARL/research/07-r-0001-02_amendment2.pdf

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

Round 5 of Grand Challenges Explorations

The Bill & Melinda Gates Foundation

Each round of the Grand Challenges Explorations initiative awards grants against a set of specific topics.

Topics for Grand Challenges Explorations Round 5 are:

Create Low-Cost Cell Phone-Based Applications for Priority Global Health Conditions;

Create New Technologies to Improve the Health of Mothers and Newborns;

Create New Ways to Protect Against Infectious Disease;

Create New Technologies for Contraception.

Amount: \$100,000

LOI: N/R

Deadline: May 19, 2010

To learn more: <http://www.grandchallenges.org/explorations/Pages/Introduction.aspx>

Key Words: **Global Health, HIV, Malaria, TB, Pneumonia, Diarrhea, Family Health, Vaccine Preventable Disease, Vaccine, Drug, Diagnostics, Hemorrhage, Hypertensive Disorders, Obstructed Labor, Fetal and Maternal Death, Preterm Birth**

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

BAA 10-001

Office of Naval Research (ONR)

The Office of Naval Research (ONR) is interested in receiving proposals for Long-Range Science and Technology (S&T) Projects which offer potential for advancement and improvement of Navy and Marine Corps operations. Readers should note that this is an announcement to declare ONR's broad role in competitive funding of meritorious research across a spectrum of science and engineering disciplines.

Prior to preparing proposals, potential offerors are strongly encouraged to contact the ONR point of contact (POC) whose program best matches the offeror's field of interest. For information on POCs, refer to the ONR "Science and Technology Departments" as listed in the Science and Technology section of the ONR Home Page accessible through

the World Wide Web at <http://www.onr.navy.mil/> and for ONR's International Agent located on the ONR Global Homepage at <http://www.onrglobal.navy.mil/>. A list of the Department Codes can be found at <http://www.onr.navy.mil>.

Work funded under a BAA may include basic research, applied research and some advanced technology development (ATD).

Research Protections Division subject areas (see web site for more subject areas):

Human subject research is critical to support the warfighter, Navy and Marine Corps training, operational capability, and the competency of the Navy medical department. This research includes the test and evaluation (T&E) of personal protective equipment such as body armor, hearing protection, and helmets; human factors engineering for combat stations/systems; improving treatment of

decompression sickness; reducing spatial disorientation in aviators; and maximizing human performance and endurance, among many others.

Amount: varies

LOI: N/R

Deadline: September 30, 2010

To learn more: <http://www.onr.navy.mil/02/baa/docs/10-001.pdf>

Key Words: **Federal Funding, ONR**

Long Acting, Sustainable Therapies of Opiate Addiction (R01)

PAS-08-061

NIDA

This Funding Opportunity Announcement (FOA) issued by the National Institute on Drug Abuse, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose the development of sustained pharmacotherapies and behavioral treatments to reduce the risk of contraction and transmission of HIV. Specifically, this FOA supports applications directed at the development of (1) heroin/morphine-protein conjugates (heretofore referred to as heroin/morphine conjugate vaccines or HCVs) for the treatment of opiate addiction, (2) clinical systems for the application of currently available long-acting (30-day or longer sustained-release) dosage forms for opiate pharmacotherapies to optimize these sustained pharmacotherapies to effect the reduction of the risk for acquisition and transmission of HIV, and (3) effective clinical treatment modalities, including behavioral treatment in conjunction with pharmacotherapies, to improve the effectiveness of opiate treatment and reduce the risk behaviors associated with transmission of HIV. Clinical studies should include the assessment of HIV risk behaviors as an outcome measure.

Amount: \$400,0000

LOI: N/R

Deadline: multiple, see link

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

Key Words:

Improvements to Biological Research Collections (BRC)

NSF 09-548

National Science Foundation (NSF)

Directorate for Biological Sciences

Division of Biological Infrastructure

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

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

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

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

LOI: N/R

Deadline: Fourth Friday in July, Annually

To learn more: http://www.nsf.gov/pubs/2009/nsf09548/nsf09548.htm?govDel=USNSF_25

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

Living Stock Collections for Biological Research (LSCBR)

NSF 09-550

National Science Foundation (NSF)

Directorate for Biological Sciences

Division of Biological Infrastructure

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

Amount: varies

LOI: N/R

Deadline: July 7, 2010, July 6, 2011

To learn more: http://www.nsf.gov/pubs/2009/nsf09550/nsf09550.htm?govDel=USNSF_25

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

HIV/AIDS Funds for Competitive Revision Applications (R01, R03, R15, R21, R21/R33, R37) for HIV/AIDS-related Research through the NIH Basic Behavioral and Social Science Opportunity Network

NOT-OD-10-036

National Institutes of Health (NIH)

The National Institutes of Health (NIH) announces the opportunity for investigators and institutions/organizations with relevant active NIH-supported research project grants (R01, R03, R15, R21, R21/33, and R37) to submit competitive revision applications (formerly termed competitive supplements) to accelerate, expand, and/or strengthen basic behavioral and social sciences research (b-BSSR) relevant to HIV/AIDS risk, prevention, disease progression, and treatment. Competitive revision applications should support a significant expansion of the scope or research protocol approved and funded for the "parent" award on which the revision application is based.

Amount: \$150,000

LOI: April 7, 2010

Deadline: May 7, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-10-036.html>

Key Words: **Behavioral and Social Processes; Interactions between Biology, Behavior, and Social Processes; Methodology and Measurement in the Behavioral and Social Sciences**

Research on Malignancies in the Context of HIV/AIDS (R21)

PA-07-454

National Institutes of Health (NIH)

The National Cancer Institute (NCI) and National Institute of Dental and Craniofacial Research (NIDCR) are accepting proposals for research that will advance our understanding of the risks, development, progression, diagnosis, and treatment of malignancies observed in individuals with an underlying HIV infection or AIDS. Through this funding opportunity announcement (FOA), the NCI and NIDCR seek to encourage research in areas such as the study of the etiologic factors, cofactors, pathogenesis, and consequences of HIV-associated malignancies in diverse populations. Research on non-AIDS defining malignancies in the context of HIV infection is also encouraged. The incidence of non-AIDS-defining malignancies (e.g., anal, skin, and lung cancers as well as Hodgkin's disease) appear to be increasing in the era of Highly Active Antiretroviral Treatment. This FOA extends to research efforts that will provide information on the clinical outcomes of such cancers in the HIV-infected population and identify specific contributions resulting from HIV infection for the development and pathogenesis of these cancers. Ultimately, such efforts could inform screening approaches and therapies targeted to the HIV-infected population.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

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

Key Words: **AIDS**

Cancer Biology, Cancer or Carcinogenesis, Molecular Epidemiology

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

PA-08-188 and PA-08-189

National Institutes of Health (NIH)

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

Amount: \$100,000

LOI: N/R

Deadline: standard dates apply

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

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

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

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

National Institutes of Health

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

Amount: \$2,500,000

LOI: N/R

Deadline: standard dates apply

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

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

Unique Interactions Between Tobacco Use and HIV/AIDS

[(R01) PA-08-253] and [(R03) PA-08-254]

PA-08-253 and PA-08-254

National Institute on Drug Abuse (NIDA)

Fogarty International Center (FIC)

The purpose for this FOA issued by the National Institute on Drug Abuse and the Fogarty International Center encourages Research Project Grant (R01) applications from institutions/organizations that propose to stimulate research related to the unique, interactive health effects of cigarette smoking and HIV/AIDS.

Amount: unspecified

LOI: N/R

Deadline: standard dates apply

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

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

Drug Abuse Aspects of HIV/AIDS (R01) and (R21) and (R03)

PA-10-129 and PA-10-130 and PA-10-131

National Institute on Drug Abuse (NIDA)

This FOA issued by the National Institute on Drug Abuse (NIDA), National Institutes of Health (NIH), encourages Research Project Grant (R01) applications to examine the drug abuse aspects of HIV/AIDS, including research on drug-related risk behaviors, addiction and HIV disease, and drug use/HIV-related comorbidities and consequences. Proposals are needed to identify and predict changes in the epidemiology of HIV/AIDS among injection and non-injection drug users and among their sexual partners, to develop and test primary and secondary drug abuse and HIV prevention and treatment interventions, to improve HIV testing, counseling, and treatment services for those living with HIV/AIDS, and to address basic mechanisms involved in HIV infection and AIDS pathogenesis in the context of drug abuse and addiction.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-129.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-129.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-129.html>

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

AIDS-Science Track Award for Research Transition (R03)

PAR-10-021

National Institute on Drug Abuse (NIDA)

This funding opportunity announcement (FOA) by the National Institute on Drug Abuse seeks to facilitate the entry of both newly independent and early career investigators to the area of drug abuse research on HIV/AIDS. This FOA, AIDS--Science Track Award for Research Transition (A-START), encourages Small Research Grant (R03) applications to support research projects on drug abuse and HIV/AIDS that can be carried out in a short period of time with limited resources. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology.

Amount: \$200,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-021.html>

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

Drug Abuse Prevention Intervention Research

[(R01) PA-08-217] and [(R21) PA-08-218] and [(R03) PA-08-219]

PA-08-217 and PA-08-218 and PA-08-219

National Institute on Drug Abuse (NIDA)

The purpose of this FOA is to encourage Research Project Grant (R01) applications from institutions/organizations that propose to advance the science of drug abuse and drug-related HIV prevention through 1) the development of novel prevention approaches, 2) the testing of novel and adapted prevention intervention approaches 3) the elucidation of processes associated with the selection, adoption, adaptation, implementation, sustainability, and financing of empirically validated interventions, and 4) the development of new methodologies suitable for the design and analysis of prevention research studies. Programs of research are intended to provide pathways toward the discovery of population-level approaches for the prevention of drug abuse and dependence, drug-related problems (such as interpersonal violence, criminal involvement, and productivity loss), and drug related illness (such as comorbid drug and mental health problems or comorbid infections including HIV, hepatitis B, and hepatitis C).

Amount: varies

LOI: N/R

Deadline: Standard dates apply,

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

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

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

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

PAS-10-097 and PAS-10-098

National Institute on Drug Abuse (NIDA)

Through this FOA, the National Institute on Drug Abuse (NIDA) seeks to stimulate and support research on the determination of efficacy and potency of interventions that utilize technological tools (e.g., mobile enabling technologies, Ecological Momentary Assessment (EMA), enhanced Medication Event Monitoring System, computer software, portable digital devices, cell phone and/or Digital Assistant Device among others) to foster adherence to Human Immunodeficiency Virus (HIV) treatment regimens among substance abusing populations in naturally occurring timeframes and contexts. Multidisciplinary collaboration between social scientists, medical (physician/nurse) researchers and technology experts to develop and refine mobile technological instrumentation, e-health technology and software as interventions (or as part of interventions) that foster adherence to HIV treatment regimens and access to care in real time is encouraged.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAS-10-097.html> and <http://grants.nih.gov/grants/guide/pa-files/PAS-10-098.html>

Key Words: **Treatment Regimens, HIV/AIDS**

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

RFA-DA-10-014

National Institute on Drug Abuse (NIDA)

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

Amount: \$3,750,000

LOI: March 29, 2010

Deadline: April 29, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-014.html>

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

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

PA-10-103 and PA-10-104 and PA-10-105

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

This Funding Opportunity Announcement (FOA) is intended to appeal to a broad audience of alcohol and HIV/AIDS researchers, including alcohol researchers with no prior experience in HIV/AIDS research, but with a keen appreciation for the relationship between problem drinking and HIV/AIDS and a strong interest in acquiring such experience; HIV/AIDS researchers with no prior alcohol research experience who realize the importance of more intensive alcohol interventions to improving clinical outcomes among HIV+ individuals; and those with prior research experience in the area of co-occurring HIV/AIDS and alcohol and other substance abuse. The primary objectives for this announcement are to increase research : 1) to characterize the relative importance of reducing alcohol misuse in the prevention of acquisition and transmission of HIV in order to identify and apply appropriate alcohol and HIV interventions as public health measures, 2) to more fully understand and prevent the progression of HIV disease in the presence of continued alcohol exposure and 3) to develop operational research frameworks for addressing the occurrence and persistence of infections in high-risk populations (e.g. minority women, young gay men, etc.), and translate findings these targeted populations. Given the breadth of research objectives included in this announcement, potential applicants are encouraged to carefully review all sections of the announcement for research opportunities.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-103.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-104.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-105.html>

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

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

PA-08-006

National Institute on Alcohol Abuse and Alcoholism

This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/ organizations that propose to integrate basic behavioral research and intervention research for the prevention of alcohol-related HIV/AIDS risk.

Amount: varies

LOI: N/R

Deadline: multiple dates, see announcement

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-006.html>

Key Words:

International Research Collaborations on Drug Addiction (R21)

PA-08-007

National Institute on Alcohol Abuse and Alcoholism

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

Amount: varies

LOI: N/R

Deadline: Multiple dates, see announcement

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

Key Words:

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

RFA-NR-10-001 and RFA-NR-10-002

National Institute of Nursing Research (NINR)

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

Amount: \$2,500,000

LOI: April 5, 2010

Deadline: May 5, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-NR-10-001.html> and <http://grants.nih.gov/grants/guide/rfa-files/RFA-NR-10-002.html>

Key Words: **Retroviral Therapy, HIV/AIDS**

Countermeasures Against Chemical Threats (CounterACT) Exploratory/Developmental Projects in Translational Research (R21)

PAR-10-019

National Institute of Neurological Disorders and Stroke (NINDS)

National Eye Institute (NEI)

National Institute of Allergy and Infectious Diseases (NIAID)

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

National Institute of

This Funding Opportunity Announcement (FOA) requests applications for exploratory/developmental translational research on therapeutics for reducing mortality and morbidity caused by acute exposures to chemical threat agents. Chemical threats include traditional chemical warfare nerve agents such as sarin and VX, toxic industrial chemicals such as cyanide and chlorine, and toxic agricultural chemicals such as parathion and sodium fluoroacetate. Projects supported by this FOA are expected to generate preliminary data that would enable the development of competitive applications for more extensive support from the NIH CounterACT program (see www.ninds.nih.gov/counteract for a description) and other related research and development programs.

Amount: \$500,000

LOI: January 4, 2011, 2012

Deadline: February 1, 2011, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-019.html>

Key Words: **Chemical Threat, Warfare Agents, Counter Measures**

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

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

National Institute of Neurological Disorders and Stroke (NINDS)

National Institute on Drug Abuse (NIDA)

National Institute of Mental Health (NIMH)

National Institute on Alcohol Abuse and Alcoholism

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

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

LOI: N/R

Deadline: standard dates apply

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

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

Notice of Intent to Publish Funding Opportunity Announcements for Countermeasures Against Chemical Threats (CounterACT) Cooperative Research Projects (U01) and Research Centers of Excellence (U54)

NOT-NS-10-011

National Institute of Neurological Disorders and Stroke (NINDS)

The National Institute of Neurological Disorders and Stroke (NINDS) intends to issue two Funding Opportunity Announcements (FOAs) in the spring of 2010: "Countermeasures Against Chemical Threats (CounterACT) Research Centers of Excellence (U54)" and "Countermeasures Against Chemical Threats (CounterACT) Cooperative Research Projects (U01)". The goal of both initiatives is to provide support for translational research to develop therapeutics for reducing mortality and morbidity caused by acute exposures to chemical threat agents. Chemical threats are toxic chemicals that could be used in a terrorist attack or accidentally released from industrial production, storage or shipping. The scope of the research supported within this milestone-driven translational program includes target and candidate identification and characterization, through candidate optimization and demonstration of in vivo efficacy, through Investigational New Drug (IND) submission and clinical trials when appropriate. See www.ninds.nih.gov/counteract for a description of the CounterACT program.

The CounterACT research program will utilize Research Centers of Excellence (U54) and Cooperative Research Projects (U01) to support up to 5 years of translational research. Chemical threats to be covered include pulmonary agents (e.g. chlorine, phosgene),

toxic industrial chemicals (e.g. cyanide, pesticides), chemical nerve agents (e.g. sarin, VX), and others. The NIH intends to commit approximately \$12 million per year in Fiscal Years 2011, 2012, and 2013 to fund new and/or competing renewal U01 and U54 awards. Because the nature and scope of the proposed research will vary from application to application, it is anticipated that the size and duration of each award will also vary. The total amount awarded and the number of awards will depend on the number, quality, duration, and costs of the applications received. It is anticipated that several other NIH Institutes, including the National Eye Institute (NEI), National Institute of Allergy and Infectious Diseases (NIAID), National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institute of Environmental Health Sciences (NIEHS), and the National Institute of General Medical Sciences (NIGMS), may also participate in this funding opportunity announcement.

Amount:

LOI:

Deadline: Released March 5, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-NS-10-011.html>

Key Words: **Chemical Agent Threat**

Modeling of Infectious Disease Agent Systems (U01)

RFA-GM-11-002

National Institute of General Medical Sciences (NIGMS)

This Funding Opportunity Announcement (FOA) issued by the National Institute for General Medical Sciences, National Institutes of Health, encourages Cooperative Agreement (U01) applications from institutions/organizations that propose to provide the U.S. scientific and public health communities better resources, knowledge, and tools to improve their ability to identify and prevent the spread of diseases resulting from the emergence or intentional release of pathogens and their products. Research projects will become part of the Models of Infectious Disease Agent Study (MIDAS) Network. This FOA is a re-announcement of a prior FOA (RFA GM-09-001). The MIDAS Network consists of a centralized information technology resource, a Centers of Excellence component and, with this announcement, the continuation of a network of multidisciplinary scientists conducting computational and mathematical research to improve the ability to detect, control, and prevent emerging infectious diseases caused by naturally occurring or intentionally released pathogens, including those relevant to biodefense.

Amount: \$2,500,000

LOI: June 15, 2010

Deadline: July 15, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-11-002.html>

Key Words: **Infectious Disease, Public Health**

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

RFA-AI-10-005

National Institute of Allergy and Infectious Diseases Health (NIAID)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

National Institute of Mental Health (NIMH)

The National Institute of Allergy and Infectious Diseases, the National Institute of Alcohol Abuse and Alcoholism and the National Institute of Mental Health invite applications for multidisciplinary research programs that; (1) devise optimal HIV prevention packages (combination interventions) for specific populations, (2) perform pilot studies to demonstrate that the proposed prevention package is acceptable to the target population and the study design is appropriate and feasible, and (3) design clinical protocols to rigorously examine the safety and efficacy of these packages in the target population.

Amount: \$2,400,000

LOI: June 15, 2010

Deadline: July 15, 2010

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

Key Words: **HIV Prevention**

Ancillary Studies in Immunomodulation Clinical Trials (R01)

RFA-AI-10-014

National Institute of Allergy and Infectious Diseases (NIAID), (<http://www.niaid.nih.gov>)

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

National Institute of Neurological Disorders and Stroke (NINDS)

National Institute of

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.

Amount: \$1,000,000

LOI: April 9, 2010

Deadline: June 9, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-10-014.html>

Key Words: **Immune Modulation**

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

PAR-09-103

National Institute of Allergy and Infectious Diseases (NIAID)

Fogarty International Center (FIC)

National Cancer Institute (NCI)

National Center for Complementary and Alternative Medicine (NCCAM)

National Heart, Lung, and Blood Institute (NHLBI)

National

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

Amount: \$3.75-15M

LOI: May 14, 2010

Deadline: June 30, 2010

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

Key Words: **AIDS**

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

PA-08-256 and PA-08-257

National Institute of Allergy and Infectious Diseases (NIAID)

National Institute of Mental Health (NIMH)

National Institute of Nursing Research (NINR)

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

National Instit

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

Amount: varies

LOI: N/R

Deadline: standard dates apply

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

Key Words: **Vaccine Development**

Basic Research on HIV Persistence (R01)

PA-09-152

National Institute of Allergy and Infectious Diseases (NIAID)

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-152.html>

Key Words: **HIV, AIDS**

Partnerships for Biodefense (R01)

RFA-AI-10-003

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 preclinical development of lead candidate vaccines, therapeutics, adjuvants or diagnostics against NIAID Category A, B, or C priority agents.

Amount: \$3,750,000

LOI: April 20, 2010

Deadline: May 20, 2010

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

Key Words: **Vaccines, Therapeutics, Adjuvants, Diagnostics**

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**

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**

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

RFA-AI-10-001

National Institute of Allergy and Infectious Diseases (NIAID)

This Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), solicits Research Project Grant (R01) applications to enhance the understanding of early events in mucosal transmission of HIV/SIV leading to the discovery of novel mechanism(s) of virus transmission, host cell-virus interaction and to advance new concepts for HIV prevention strategies/approaches. The emphasis of this FOA is discovery research focused on acquiring novel insights that may lead to the development of new conventional or outside-the-box approaches to vaccines and non-vaccine biomedical prevention strategies for optimizing mucosal protection against HIV/SIV. Investigators new to the HIV field and established HIV investigators are encouraged to apply.

Amount: \$1,750,000

LOI: June 18, 2010

Deadline: July 19, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-10-001.html>

Key Words: **HIV/SIV, Viral Transmission**

NIH Small Research Grant Program (Parent R03)

PA-09-163

National Human Genome Research Institute (NHGRI)

National Institute on Drug Abuse (NIDA)

National Institute on Aging (NIA)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

National Institute of Allergy and Infectious Diseases (NIAID)

National In

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

Amount: \$100,000

LOI: N/R

Deadline: Standard dates apply

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

Key Words: **Small Grants**

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

Biomarkers of Infection-Associated Cancers (R21) [PA-08-157]

PA-08-156 and PA-08-157

National Cancer Institute

National Institute of Dental and Craniofacial Research

This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI) and the National Institute of Dental and Craniofacial Research (NIDCR), of the National Institutes of Health (NIH), encourages the submission of Research Project Grant (R01) applications from institutions and organizations that propose to identify biomarkers for cancers where the etiology of the disease is attributed to infectious agents.

Amount: varies

LOI: N/R

Deadline: Multiple dates, see announcement

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

Key Words: **Biomarkers, Cancer Biology**

Pharmacokinetic Research in Pediatric HIV/TB Co-Infection (R01) and (R21)

RFA-HD-09-015 and RFA-HD-09-016

Eunice Kennedy Shriver National Institute of Child Health and Human Development

National Institute of Mental Health (NIMH)

This Funding Opportunity Announcement (FOA), issued by the National Institute of Child Health and Human Development (NICHD) and the National Institute of Mental Health (NIMH), encourages Research Project Grant (R01) applications from institutions/organizations that propose to evaluate the pharmacokinetics of anti-tuberculosis (anti-TB) drugs and pharmacokinetic drug interactions between anti-TB drugs and anti-HIV medications, and to potentially provide preliminary data regarding the effect of such pharmacokinetic parameters on the outcome of treatment in children with HIV/TB co-infection. Pediatric research in these areas lags far behind that in adults due to the many challenges surrounding the diagnosis and management of TB disease in children. Research related to the treatment of TB in the context of pediatric HIV/TB co-infection is urgently needed. This FOA will support grants to define appropriate dosing of anti-TB agents in HIV-infected children and that will generate knowledge regarding the optimization of management of TB/HIV co-infection in children, including the management of central nervous system (CNS) involvement with TB through the evaluation of CNS penetration of anti-TB agents in the context of antiretroviral therapy.

Amount: \$2,000,000; varies with project

LOI: July 24, 2010

Deadline: August 24, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-09-015.html> and <http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-09-016.html>

Key Words: **TB, HIV, Treatment, Anti-Tuberculosis Drugs, Pharmacokinetics**

International Research in Homeland Security Science & Technology Projects

DHS-I0-ST-I08-001

Department of Homeland Security (DHS)

Science & Technology Directorate (S&T)

S&T's Chemical and Biological Division is conducting analyses to characterize and prioritize threats. It develops detection systems to provide early warning of a possible attack so as to minimize exposure and speed treatment of victims, conducts forensic analyses to support attribution, and works with our Federal partners who have lead responsibilities in decontamination and restoration, agrodefense, and food security.

Areas of interest for research identified by this Division include:

- Bioforensics
- Next-generation bioassays
- Chemical decontamination
- Foreign animal disease vaccines & diagnostics
- Next-generation biodetection

High-priority technology needs identified by this Division include:

- Tools to detect and mitigate animal disease breakouts
- Improved tools for integrated chemical, biological, radiological, and nuclear (CBRN) risk assessment
- Incident characterization capability for response and restoration
- Improved chemical and biological forensic analysis capability
- Consequence assessments of attacks on chemical facilities and ChemBio attacks on other critical infrastructure
- Integrated chemical, biological, radiological, nuclear, and explosive CBRNE sensor reporting capability
- Handheld rapid biological and chemical detection systems
- Detection paradigms and systems for enhanced, emerging and novel biological threats

Amount: \$750,000

LOI: N/R

Deadline: September 10, 2010

To learn more:

<http://www07.grants.gov/search/synopsis.do;jsessionid=2PP1K9LcJx0pSmV0lyjL8SfDpBqhT2WG2vcNGZLdLHyYYf0In1tWl-1163459943>

Key Words: **Next Generation, Bioassays**

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

HDTRA1-08-10-BRCWMD-BAA

Department Of Defense (DOD)

Defense Threat Reduction Agency

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

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

Amount: \$2,500,000

LOI: registration: March 31, 2010

Deadline: May 12, 2010

To learn more:

<http://www07.grants.gov/search/announce.do;jsessionid=JrpRKc7NIPTw1ywWRx58MNRQ19GcMlyFpsD4Fly1ySM8jYmhkrh7!-82303134>

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

USA Medical Research and Materiel Command Broad Agency Announcement

W81XWH-BAA10-1

Department of Defense (DOD)

This Announcement provides a general description of the Command's research programs, including specific areas of interest; general information; the evaluation and selection criteria; and proposal preparation instructions.

1) The Military Infectious Diseases Research Program (MIDRP) focuses on vaccines, antiparasitic drugs, deployable field clinical diagnostics, and vector control pertinent to naturally-occurring endemic diseases with demonstrated or potential capability to decrease military operational effectiveness.

- 2) The Combat Casualty Care Research Program (CCCRP) provides integrated capabilities for far-forward medical care to reduce the mortality and morbidity associated with major battlefield wounds and injuries.
- 3) The Military Operational Medicine Research Program (MOMRP) provides biomedical solutions that protect Soldiers and enhance their performance in operational and training environments that include multiple stressors. [a. Injury Prevention and Reduction; b. Psychological Health and Resilience; c. Environmental Health and Protection; d Physiological Health]
- 4) The Medical Biological Defense Research Program provides medical countermeasures for biological warfare agents. These countermeasures include specialized medical materiel or procedures designed to enhance protection.
- 5) The Medical Chemical Defense Research Program seeks to preserve combat effectiveness by timely provision of medical countermeasures in response to Joint Service chemical warfare defense requirements.
- 6) The Clinical and Rehabilitative Medicine Research Program (CRM RP) focuses on the innovations required to reset our wounded warriors, both in terms of duty performance and quality of life. The CRM RP focuses its efforts on the following five research areas: neuromusculoskeletal injury (including amputees), ocular and visual system injury, hearing and vestibular systems injury, chronic pain, and regenerative medicine.

Amount: \$1,000,000

LOI:

Deadline: September 30, 2010

To learn more:

<http://www.grants.gov/search/announce.do?sessionId=2vmFKPnL20sh2KRqMCTmSnJZ6FC5xZx1mdGGngwpJvfRCHlcTvYN!-1163459943>

Key Words: **Battlefield Wounds, Emergency Treatment, Antiparasitics, Infectious Disease**

Department Of Defense Hive/Aids Prevention Program

DHAPP-BAA-10-001

Department of Defense (DOD)

DHAPP continues to rely upon the vital support of various partners, such as non-governmental organizations (NGOs), in implementing HIV prevention, care and treatment programs across the globe. Each country has a customized plan to help the countries' militaries bring its HIV/AIDS programs to sufficient scale to help reduce the spread of the epidemic and mitigate its impact.

DHAPP's current priority activities include the following:

- Institutional capacity building and developing military specific HIV strategic and operational plans that incorporate effective monitoring and evaluation procedures.
- Training of master trainers and peer educators.
- "Troop Level" HIV/AIDS prevention education and behavior change communication.
- Evaluating specific prevention interventions in military contexts
- Providing infrastructure and equipment to support HIV testing, care and/or treatment.
- Increasing testing of all military personnel.
- Developing HIV laboratory diagnostic and monitoring capabilities.
- Increasing clinical capability and other human resources for health care of those infected with HIV.
- Developing or revising military specific HIV policies that specifically address leadership roles, gender norms, gender based violence, stigma and discrimination and structural components necessary for access to care.
- Increasing male circumcision (MC) in high prevalence countries who are supportive of MC as an effective prevention intervention.
- Providing peacekeeping prevention and care interventions in militaries that contribute significant peacekeepers.

This BAA is intended to solicit existing partners and establish new partners in order to expand the DHAPP program.

Amount: \$50,000-\$300,000

LOI:

Deadline: This announcement will remain open until 30 September 2011. White Papers may be submitted at any time during this period.

To learn more:

<http://www.grants.gov/search/synopsis.do?sessionId=RIFgLZJCfZnVvTpKtvX9mkkkCCZIL1Wb7JXyZhn1NRLNRvIQcLp!-1885924289>

Key Words: **HIV/AIDS, Military, Transmission of Infection, Preventative Measures**

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**

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**

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**

Prevention and Management of Healthcare Associated Infections (R18)

PA-10-089

Agency for Healthcare Research and Quality (AHRQ)

The purpose of this funding opportunity is to fund extramural health services research, demonstration, dissemination, and evaluation grants that propose to prevent and more effectively manage healthcare associated infections (HAIs).

Research priorities for this FOA are the: 1) development, implementation and demonstration of the prevention and management of HAIs, along with the determination of the costs of such interventions; 2) determination of the efficacy, effectiveness, and costs of preventative interventions; 3) population-level studies on the patient risk factors, clinical presentation, sources, and disease genotypes of antibiotic-resistant organisms that can result in perceived HAIs. The scientific and practical knowledge to be achieved through these research and demonstration efforts will identify the practical and cost-effective approaches to preventing and managing HAIs.

Amount: \$1,500,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-089.html>

Key Words: **Hospital Acquired Infections, HAI**

Kidney and Urinary System

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

PA-09-165 and PA-09-166

National Institute on Aging (NIA)

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

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

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

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

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

PA-09-196

National Institute of Diabetes and Digestive and Kidney Diseases

National Heart, Lung, and Blood Institute

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-196.html>

Key Words: **Kidney Disease, Chronic, Acute**

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

PA-09-226

National Institute of Diabetes and Digestive and Kidney Diseases

Eunice Kennedy Shriver National Institute of Child Health and Human Development

This Program Announcement is sponsored by the NIDDK and the NICHD. Congenital obstructive uropathy is one of the major causes of chronic kidney disease and end stage renal disease (ESRD) in infants and children. The pathogenesis of this disorder, however, remains poorly understood. Many controversies and clinical uncertainties exist in the detection, prognosis, and effective treatment strategies for this condition. The impact of early fetal detection and neonatal intervention, the long-term effects of watchful waiting and the various surgical interventions have not been well studied and documented. There is also no consensus on the indications for, or ideal timing of surgical intervention. The purpose of this funding opportunity is to address the numerous scientific and clinical uncertainties related to the development, treatment and prognosis of congenital obstructive uropathy, by encouraging and facilitating

research in diverse areas. These areas include: the development of objective prognostic markers; the genetic determinants of this congenital disorder; the development of reliable animal models of the disorder; and, evaluation of the long-term effectiveness of various treatment strategies.

Amount: \$2,500,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-226.html>

Key Words: **Congenital Obstructive Uropathy, Kidney Disease, End Stage Renal disease**

Health Disparities in NIDDK Diseases (R01)

PA-09-262

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

National Institute of Nursing Research (NINR)

The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the National Institute of Nursing Research (NINR) of the National Institutes of Health (NIH) seek research to understand and mitigate issues of health disparities in high priority diseases within their scope, including diabetes, obesity, nutrition-related disorders, hepatitis C, gallbladder disease, H. Pylori infection, sickle cell disease, kidney diseases, urologic diseases, hematologic diseases, metabolic, gastrointestinal, hepatic, and renal complications from infection with HIV. NINR promotes and improves the health of individuals, families, communities, and populations, supports and conducts clinical and basic research and research training on health and illness across the lifespan.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-262.html>

Key Words: **Diabetes, Health Disparities, Nursing, Clinical and Basic Research**

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

PA-09-181

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

National Heart Lung and Blood Institute (NHLBI)

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

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

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

Development and Validation of Disease Biomarkers (R01)

PA-09-204

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) (<http://www2.niddk.nih.gov>)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

National Institute of Nursing Research (NINR)

Office of Dietary Supplements (ODS)

This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), the National Institute of Nursing Research (NINR), and the Office of Dietary Supplements (ODS) of the National Institutes of Health, will provide resources to validate candidate biomarkers for well-defined human diseases of the liver, kidney, urological tract, and digestive and hematologic systems, as well as endocrine and metabolic disorders, diabetes and its complications, and obesity, for which there are no or very few biomarkers, or for which standard biomarkers are currently prohibitively invasive or expensive. A biomarker is an indicator of a disease process, and could replace hard clinical end points as a measure of the effect of new therapies. Appropriate studies will validate candidate biomarkers in well-defined patient populations, provide new technologies to monitor biomarkers or establish reliable assays for validated markers. Progress in this

area has the potential to advance translational research related to efficacy of treatments and bio-behavioral interventions. This FOA is not appropriate for biomarker discovery projects.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-204.html>

Key Words: **Biomarkers, Translational Research, Therapies**

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

RFA-DK-10-004

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

Adherence to a prescribed treatment regimen, including medications, devices and behavioral recommendations, can significantly impact morbidity and mortality for patients with chronic diseases, including chronic kidney or urologic disease and diabetes. When adherence to complex and seemingly rigid treatment regimens is poor, the results can be tragic. Adolescence can also be a particularly challenging time for adherence given the competing demands in an adolescents life, the unique developmental changes, and rapidly changing set of responsibilities as they transition to adulthood. There are few studies in pediatrics beyond the HIV literature that address non-adherence. The purpose of the FOA is to support research to improve adherence in adolescents with chronic kidney or urologic diseases, or diabetes. Therefore, the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) invites applications from new or established investigators to pursue research to better understand factors that influence adherence, develop appropriate measures of adherence, and test innovative strategies to enhance adherence in this vulnerable population.

Amount: \$2,500,000

LOI: October 18, 2010

Deadline: November 15, 2010

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

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

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

PAR-09-247

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

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

Amount: \$2,500,000

LOI: N/R

Deadline: Standard dates apply

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

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

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

PAR-09-077

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

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

Amount: \$500,000

LOI: N/R

Deadline: Standard dates apply

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

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

Grants for Research in Glomerular Diseases (R01)

PA-10-113

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

The Division of Kidney, Urologic and Hematologic Diseases (DKUHD) of the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) invites applications from new or established investigators to pursue exploratory investigations of glomerular disease, which would foster development of new ideas enhancing the understanding of disease detection, pathogenesis, pre-emption and/ or treatment.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-113.html>

Key Words: **Glomerular Disease**

Calcium Oxalate Stone Diseases (R01)

PA-09-213

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

The purpose of this Funding Opportunity Announcement (FOA) is to increase investigator interest in research into oxalate metabolism, transport and homeostasis, and oxalate stone diseases. This initiative encourages basic, clinical or epidemiological studies that utilize new and innovative approaches to study the diagnosis, treatment and prevention of these disorders.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-213.html>

Key Words: **Oxalate Stones**

Advances in Polycystic Kidney Disease (R01)

PA-09-202

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

The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) through its Division of Kidney, Urologic and Hematologic Diseases (DKUHD) invites experienced and new investigators to submit research grant applications to pursue basic and applied investigations in order to better understand the etiology and pathogenesis of Polycystic Kidney Disease (PKD), in both its autosomal dominant and autosomal recessive forms. Such applications may examine the genetic determinants, and cellular and molecular mechanisms, which disrupt normal kidney function; mechanisms of cyst formation and growth; development of experimental model systems; development of markers of disease progression; and the identification of innovative therapeutic interventions and gene targeted strategies to prevent progressive renal insufficiency due to this disorder. The intent of this funding opportunity is to intensify investigator-initiated research, to attract new investigators to the field, and to increase interdisciplinary research. The ultimate aim is to facilitate PKD-related research studies, which will provide the basis for new therapeutic approaches.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-202.html>

Key Words: **Polycystic Kidney Disease**

Lung and Sleep

NIH Exploratory Developmental Research Grant Program (Parent R21)

PA-10-069

National Institutes of Health (NIH)

multiple institutes

The National Institutes of Health (NIH) Exploratory/Developmental Grant (R21) funding opportunity supports the development of new research activities in categorical program areas. (Support generally is restricted in level of support and in time.) Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigators area of interest and competency. All investigator-initiated exploratory/developmental applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests. Investigators are strongly encouraged to consult the list of participating ICs and special research interests. The Exploratory/Developmental Grant (R21) mechanism is intended to encourage exploratory and developmental research projects by providing support for the early and conceptual stages of these projects. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on a field of biomedical, behavioral, or clinical research.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-069.html>

Key Words: **Investigator Initiated**

Unique Interactions Between Tobacco Use and HIV/AIDS

[(R01) PA-08-253] and [(R03) PA-08-254]

PA-08-253 and PA-08-254

National Institute on Drug Abuse (NIDA)

Fogarty International Center (FIC)

The purpose for this FOA issued by the National Institute on Drug Abuse and the Fogarty International Center encourages Research Project Grant (R01) applications from institutions/organizations that propose to stimulate research related to the unique, interactive health effects of cigarette smoking and HIV/AIDS.

Amount: unspecified

LOI: N/R

Deadline: standard dates apply

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

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

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

PA-09-243 and PA-09-244

National Heart, Lung, and Blood Institute (NHLBI)

National Center for Complementary and Alternative Medicine (NCCAM)

National Institute of Nursing Research (NINR)

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

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

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

Common Pathogenetic Mechanisms of Lung Cancer and COPD (R01)

RFA-HL-11-002

National Heart, Lung, and Blood Institute (NHLBI)

National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA) issued by the National Heart, Lung, and Blood Institute and the National Cancer Institute, National Institutes of Health, solicits Research Project Grant (R01) applications from institutions/organizations to identify the fundamental etiopathogenetic commonalities between lung cancer and Chronic Obstructive Pulmonary Disease (COPD) in order to characterize: (a) the genotypic and phenotypic characteristics that determine individual susceptibility; and (b) the shared biochemical, molecular, and immunological pathways involved in the origin and progression of the two diseases.

Amount: \$2,340,000

LOI: May 18, 2010

Deadline: June 18, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-11-002.html>

Key Words: **Lung Cancer, COPD**

NHLBI Clinical Trial Pilot Studies (R34)

PAR-10-005

National Heart, Lung, and Blood Institute (NHLBI)

The National Heart, Lung, and Blood Institute (NHLBI) (<http://www.nhlbi.nih.gov>) invites applications proposing pilot studies to obtain data that is critical for the design of robust clinical trials. This Funding Opportunity Announcement (FOA) should be used to fill gaps in scientific knowledge necessary to develop a competitive full-scale clinical trial. Appropriate pilot studies might demonstrate feasibility of an intervention or an experimental design, estimate intervention parameters, or gather other data important for the design of a trial. Applicants who propose solely to write a protocol or manual of operations or to develop infrastructure for a clinical trial will not be

considered appropriate for to this announcement. Applications must demonstrate that the proposed pilot studies are both necessary and sufficient to permit the design of the clinical trial.

Amount: \$450,000

LOI: 30 days prior to standard application due dates

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-005.html>

Key Words: **Clinical Trials, Heart, Lung, Blood, or Sleep Disorders**

NHLBI Systems Biology Collaborations (R01)

PAR-09-214

National Heart, Lung, and Blood Institute (NHLBI)

This FOA issued by the National Heart, Lung, and Blood Institute (NHLBI), National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose collaborative systems biology research projects by multi-disciplinary teams to advance our understanding of normal physiology and perturbations associated with heart, lung, blood, and sleep (HLBS) diseases and disorders. Multi-disciplinary expertise across experimental and computational domains is required and the multi-PI mechanism is allowed, as integration across these domains is a critical element of the proposed research plan.

Amount: varies

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

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

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

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

Research Dissemination and Implementation Grants (R18)

PAR-10-114

National Heart, Lung, and Blood Institute (NHLBI)

The purpose of this Funding Opportunity Announcement (FOA) is to support dissemination and implementation studies to (1) develop innovative approaches to translating efficacious treatments and effective prevention modalities for heart, lung, and blood diseases and sleep disorders to the clinic, community, and/or other real-world settings; (2) test the effectiveness, sustainability, determinants, and cost-effectiveness of these approaches in real-world settings; and (3) examine the effectiveness of interventions as they are disseminated and implemented in real-world settings to reduce risk factors for and enhance prevention and treatment of heart, lung, and blood diseases and sleep disorders. Mechanism of Support. This FOA will utilize the NIH Research Demonstration and Dissemination Project (R18) grant mechanism. Funds Available and Anticipated Number of Awards. Awards issued under this FOA are contingent upon the availability of funds and the submission of a sufficient number of meritorious applications.

Amount: varies

LOI: April 25, 2010; thirty days prior

Deadline: May 25, 2010, then standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-114.html>

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

Ancillary Studies in Clinical Trials (R01)

RFA-HL-10-024

National Heart, Lung, and Blood Institute (NHLBI)

The purpose of this Funding Opportunity Announcement (FOA) is to solicit research grant applications to conduct time-sensitive ancillary studies related to heart, lung, and blood diseases and sleep disorders in conjunction with ongoing clinical trials and other large clinical studies supported by NIH or non-NIH entities. The program establishes an accelerated review/award process to support the crucial time frame in which these ancillary studies must be performed. Time-sensitive ancillary studies include those that require active longitudinal data collection and thus need to begin recruiting subjects as close as possible to the start of the parent study. The ancillary study can address any research questions related to the mission of NHLBI for which the parent study can provide participants, infrastructure, and data. The parent studies most often will be a clinical trial, but also can be an observational study or registry that can provide a sufficient cohort of well-characterized patients. Each ancillary study application must demonstrate the time-sensitive nature of the proposal and must explicitly address why an expedited review is essential to its feasibility.

Amount: \$1,000,000

LOI: April 28, 2010, August 30, 2010, December 28, 2010

Deadline: May 28, 2010, September 30, 2010, January 28, 2011

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-10-024.html>

Key Words: **Clinical Trials**

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

RFA-HL-11-004

National Heart, Lung, and Blood Institute (NHLBI)

The National Heart, Lung, and Blood Institute (NHLBI) encourages grant applications under this Funding Opportunity Announcement (FOA) to develop and implement a Knowledge Base (KB) and Coordinating Center for the Consortium of Cross Organ Mechanism-Associated Phenotypes for Genetic Analyses of Heart, Lung, Blood, and Sleep Diseases (MAPGen for HLBS). This is one of two FOAs for the MAPGen program. The other FOA is for the Research Centers (RCs) of MAPGen and described separately in RFA-HL-11-005. The MAPGenKB will provide logistical and informatics support for the research across all RCs in the MAPGen consortium and synthesize the knowledge from the datasets of the RCs and other sources that are relevant to the goals of the MAPGen consortium. The data and tools generated from this consortium will be made available to the broad scientific community.

Amount: \$5,500,000

LOI: August 2, 2010

Deadline: September 1, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-11-004.html>

Key Words: **Genetic Analyses, Informatics**

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

RFA-HL-11-005

National Heart, Lung, and Blood Institute (NHLBI)

The purpose of this FOA issued by the NHLBI, National Institutes of Health, is to invite applications to participate in the MAPGen consortium. This consortium seeks to utilize evolving knowledge of cellular and molecular networks to define common mechanism-associated traits across organ systems. The ultimate goal is to re-define disease at the level of pathogenetic mechanisms and phenotype individuals based on pathobiology, rather than clinical presentation. This approach will provide the basis for the development of mechanism-based strategies for prevention, diagnosis and treatment in individual patients. This FOA encourages applications for research centers and runs in parallel with a separate FOA that solicits applications for the MAPGen Knowledge Base and Coordination Center (MAPGenKB) (see HL-11-004).

Amount: up to \$1,600,000

LOI: August 2, 2010

Deadline: September 1, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-11-005.html>

Key Words: **Biomarkers, Toll-like Receptor Type 2, Asthma, Diabetes, T Regulatory Cells, PPARg, Fat Disposition, Inflammatory Cytokines, Hypertension, Dementia, Smoking, Sleep Disorders**

Centers for Advanced Diagnostics and Experimental Therapeutics in Lung Diseases Stage I (CADET I) (P50)

RFA-HL-11-015

National Heart, Lung, and Blood Institute (NHLBI)

The purpose of this FOA issued by the NHLBI, National Institutes of Health, is to invite applications for clinical research centers for Centers for Advanced Diagnostics and Experimental Therapeutics in Lung Diseases Stage I (CADET I). The overall goal of the CADET program (Stages I and II) is to accelerate the development of novel agents for the diagnosis and treatment of lung diseases and sleep disordered breathing through the use of rational strategies based on fundamental pathobiologic processes. CADET I provides the opportunity to explore potential target(s) for validation to determine which are amenable for development of mechanism-based modalities for direct clinical application in the prevention, diagnosis, and treatment of pulmonary diseases and sleep disordered breathing. Companion FOAs for Clinical Research Centers (CRCs) and a Data Coordinating Center (DCC) for CADET Stage II (CADET II) will be released at a later date. Both the CRCs and DCC announcements will be open competitions. Centers that have been awarded in CADET I may apply for Clinical Research Centers in CADET II.

Amount: \$600,000

LOI: April 12, 2010

Deadline: May 12, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-11-015.html>

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

Translational Programs in Lung Diseases (P01)

PAR-09-185

National Heart, Lung, and Blood Institute

This FOA issued by the NHLBI, National Institutes of Health, solicits Program Project Grant (P01) applications from institutions/organizations that will perform collaborative, translational research that moves mechanistic research to clinical applications to improve prevention, diagnosis and/or treatment of lung diseases and sleep disorders.

Amount: \$8,750,000

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

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-185.html>

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

Investigator Initiated Multi-Site Clinical Trials (Collaborative R01)

PAR-10-096

National Heart, Lung, and Blood (NHLBI)

The purpose of this Funding Opportunity Announcement is to provide a vehicle for submitting grant applications for investigator-initiated multi-site Phase II or Phase III randomized, controlled clinical trials. The trials may address any research question related to the mission and goals of NHLBI and may test clinical or behavioral interventions.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-096.html>

Key Words: **Clinical Trials**

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

PA-09-232

National Heart, Lung and Blood Institute (NHLBI)

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

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

Key Words: **MD/PhD Fellowships**

Testing Tobacco Products Promoted to Reduce Harm (R01) and (R21)

PA-09-046 and PA-09-047

National Cancer Institute (NCI)

National Institute on Drug Abuse (NIDA)

This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI) and the National Institute on Drug Abuse (NIDA), invites applications that propose multidisciplinary research on potential reduced-exposure tobacco products, both smoked and smokeless. The multidisciplinary studies can span basic, biological, behavioral, surveillance, and epidemiology research. The tobacco industry is currently promoting several new products with claims that they: a) are less either harmful or less addictive; and b) purportedly deliver lower amounts of toxic, carcinogenic, and/or addictive agents to the user compared with conventional products. However, to date, the scientific evidence is insufficient to evaluate whether these new products actually reduce the users' exposure or risk for tobacco-related diseases. The overarching goal of this FOA is to determine whether potential reduced-exposure tobacco products provide a truly, less-harmful alternative to conventional tobacco products, both at the individual and population level.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

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

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

Pilot and Feasibility Awards

Research Grants

LeRoy Matthews Physician/Scientist Award and the Harry Shwachman Clinical Investigator Award

Cystic Fibrosis Foundation Therapeutics, Inc. (CFFT)

The CF Foundation (CFF) offers competitive awards for research related to cystic fibrosis. Studies may be carried out at the subcellular, cellular, animal, or patient levels. Two of these funding mechanisms include Pilot and Feasibility Awards and Research Grants. Since these applications are reviewed by the CFF's Research and Research Training Committee, those proposals that include methodologies requiring sampling of materials from human subjects will only be considered under this mechanism if the sampling method constitutes minimal patient risk (e.g., venipuncture) and patient samples or data are anonymous.

For applications where more invasive procedures are proposed or where patient samples or data will not be anonymous, please submit a Letter of Intent for a Clinical Research Award.

Also, the CF Foundation offers physician-scientist training awards, including the LeRoy Matthews Physician/Scientist Award and the Harry Shwachman Clinical Investigator Award.

Amount: varies

LOI: the CF Foundation will consider NIH applications that have received a competitive score but missed the payline under the CFF/NIH-unfunded award mechanism. These applications are accepted on an on-going basis.

Deadline: first Wednesday in September

To learn more: <http://www.cff.org/research/ForResearchers/FundingOpportunities/ResearchGrants/>

Key Words: **Cystic Fibrosis**

Men and Women's Health

Round 5 of Grand Challenges Explorations

The Bill & Melinda Gates Foundation

Each round of the Grand Challenges Explorations initiative awards grants against a set of specific topics.

Topics for Grand Challenges Explorations Round 5 are:

Create Low-Cost Cell Phone-Based Applications for Priority Global Health Conditions;

Create New Technologies to Improve the Health of Mothers and Newborns;

Create New Ways to Protect Against Infectious Disease;

Create New Technologies for Contraception.

Amount: \$100,000

LOI: N/R

Deadline: May 19, 2010

To learn more: <http://www.grandchallenges.org/explorations/Pages/Introduction.aspx>

Key Words: **Global Health, HIV, Malaria, TB, Pneumonia, Diarrhea, Family Health, Vaccine Preventable Disease, Vaccine, Drug, Diagnostics, Hemorrhage, Hypertensive Disorders, Obstructed Labor, Fetal and Maternal Death, Preterm Birth**

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

PA-08-246 and PA-08-247

Office of Research on Women's Health

National Center for Complementary and Alternative Medicine

National Institute on Aging

National Institute on Alcohol Abuse and Alcoholism

National Institute of Allergy and Infectious Diseases

National Institute of Arth

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

Amount: varies

LOI: N/R

Deadline: standard dates apply

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

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

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

PA-08-059 and PA-08-060

NIH

This Funding Opportunity Announcement (FOA) issued by the National Institute of Child Health and Human Development, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/ organizations that propose to better understand the role of adipose tissue in the normal physiological regulation of reproduction, to discern its possible role in the etiology of

diseases and disorders that impact human fertility, and to probe its potential importance in different racial/ethnic prevalence rates of certain reproductive disorders.

Amount: varies

LOI: N/R

Deadline: multiple, see link

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

Key Words:

Research Supplements to Promote Re-Entry Into Biomedical and Behavioral Research Careers - ODS

PA-04-126

National Institutes of Health (NIH)

Office of the Director (OD)

Office of Dietary Supplements

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

Amount: unspecified

LOI: N/R

Deadline: continuous

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-04-126.html>

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

Contextual Approaches to Prevention of Unintended Pregnancy

[(R01) PA-09-014] and [(R21) PA-09-015]

PA-09-014 and PA-09-015

National Institutes of Health

The purpose of this Funding Opportunity Announcement (FOA) is to strengthen and revitalize scientific research on the prevention of unintended pregnancies in the United States. The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) invites R01 research grant applications that will inform interventions addressing the cultural and structural factors that produce high rates of unintended pregnancy across the reproductive age span, especially in low-income populations in the United States. These interventions can operate at a wide range of levels, from clinical interventions to interventions that influence cultural, economic, social, structural, and/or policy factors contributing to unintended pregnancy. -Mechanism of Support. This FOA will utilize the R01 grant award mechanism and runs in parallel with a FOA of identical scientific scope, PA-09-015, that solicits applications under the NIH Exploratory/Developmental (R21) grant award mechanism.

Amount: varies

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-014.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-015.html>

Key Words: **Pregnancy, Pregnancy Prevention, Unintended Pregnancy**

Medications Development for the Treatment of Pregnant/Postpartum Women with Substance Related Disorders and/or In Utero Substance Exposed Neonates (R01) and (R21)

PA-09-106 and PA-09-107

National Institute on Drug Abuse

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

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

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

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

PA-09-190

National Institute on Aging (NIA)

National Heart, Lung, and Blood Institute (NHLBI)

National Institute of Nursing Research (NINR)

Office of Research on Women's Health (ORWH)

Office of Dietary Supplements (ODS)

This FOA issued by the National Institute on Aging (NIA), the National Heart, Lung, and Blood Institute (NHLBI), the National Institute of Nursing Research (NINR), the Office of Research on Women's Health (ORWH), and the Office of Dietary Supplements (ODS) encourages Research Project Grant (R01) applications proposing to study bioenergetic factors underlying increased fatigability and activity limitations in aging. Increased fatigability is a significant cause of restricted physical and cognitive activity in older adults. Alterations in bioenergetics—the production and utilization of energy, and the regulation of these processes—may contribute significantly to increased fatigability. This FOA encourages applications that propose to 1) elucidate specific alterations in bioenergetics related to increased fatigability and activity limitations; 2) develop and evaluate improved measures of fatigability related to bioenergetics; 3) evaluate interventions for increased fatigability and activity limitations that target alterations in bioenergetics and lead to improved quality of life.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

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

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

Women's Mental Health in Pregnancy and the Postpartum Period (R01)

PA-09-174 and PA-09-175

National Institute of Mental Health (NIMH)

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

National Institute on Drug Abuse (NIDA)

Center for Primary Care, Prevention, and Clinical Partnerships (CP3)

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

Amount: varies

LOI: N/R

Deadline: Standard dates apply

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

Key Words: **Post-Partum Depression**

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:

YEAR 2011 MARCH OF DIMES RESEARCH PROGRAM

March of Dimes

We invite all qualified scientists with faculty appointments or the equivalent, at universities, hospitals and research institutions, to submit applications for research grants directed at the prevention of birth defects. Research subjects appropriate for support by the March of Dimes include basic biological processes governing development, genetics, clinical studies, studies of reproductive health, environmental toxicology, and social and behavioral studies.

Amount: \$300,000

LOI: April 30, 2010

Deadline: by invitation only

To learn more: http://www.marchofdimes.com/professionals/691_14434.asp

Key Words: **Birth Defects, Environmental Toxicology, Genetics, Reproductive Health**

FY10 Prostate Cancer Research Program (PCRP)

W81XWH-10-PCRP-HDRA

W81XWH-10-PCRP-HDTA

W81XWH-10-PCRP-LCTA

W81XWH-10-PCRP-PRTA

W81XWH-10-PCRP-PBRA

W81XWH-10-PCRP-PCTA

DOD

Congressionally Directed Medical Research Programs (CDMRP)

The mission of the Prostate Cancer Research Program is to fund research that will eliminate death and suffering from prostate cancer.

Multiple awards are available please see website for details.

Health Disparity Research Award

Health Disparity Training Award

Laboratory - Clinical Transition Award

Physician Research Training Award

Population-Based Research Award

Prostate Cancer Training Award

Amount: maximum \$750,000

LOI: May 5, 2010

Deadline: May 26, 2010

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

Key Words: **Prostate Cancer, Health Disparity, Epidemiology, Treatment and Prevention of, Overtreatment of, Biomarkers, Staging and Grading, Progression of Disease**

FY10 Breast Cancer Research Program (BCRP)

Inter-Institutional Training Award

Concept Award

W81XWH-10-BCRP-IITA

W81XWH-10-BCRP-CA

DOD

Congressionally Directed Medical Research Programs (CDMRP)

The BCRP challenges the scientific community to design innovative research that will foster new directions for, address neglected issues in, and bring new investigators to the field of breast cancer research. The BCRP focuses its funding on innovative projects that have the potential to make a significant impact on breast cancer, particularly those involving multidisciplinary and/or multi-institutional collaborations. The BCRP encourages risk-taking research; however, all projects must demonstrate solid judgment and rationale.

Amount: \$75,000 for Concept Awards and \$1,000,000 for Inter-Institutional Training Awards

LOI: May 12, 2010

Deadline: May 26, 2010

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

Key Words: **Breast Cancer**

DoD Breast Cancer Idea Award

W81XWH-10-BCRP-IDEA

Department of Defense (DOD)

Congressionally Directed Medical Research Programs

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

Amount: \$375,000-\$750,000

LOI: April 21, 2010

Deadline: May 5, 2010

To learn more: <http://www.grants.gov/search/announce.do;jsessionid=2r1LL09JTncbtqvLmdcbv1T894r2l4RYrrsXPL3PMxh8mr5jkpnnl-243674431>

Key Words: **Breast Cancer**

Miscellaneous

Research Opportunities in Materials Science

New

NNH10ZTT001N

National Aeronautics and Space Administration (NASA)

Proposals are solicited by the Exploration Systems Mission Directorate (ESMD) Advanced Capabilities Division for hypothesis-driven materials science research investigations in the following areas: thermophysical data, microstructural development and morphological evolution.

Amount: unspecified

LOI: April 30, 2010

Deadline: invited proposals: July 8, 2010

To learn more: <http://nspires.nasaprs.com>

Key Words: **Material Science**

Transformative Science Grants

The U.S. – Israel Binational Science Foundation (BSF)

The U.S. – Israel Binational Science Foundation (BSF) is pleased to announce the opening of the first round of applications in its new program devoted to Transformative Science grants. For complete details of the new program and submission instructions please consult the BSF website (www.bsf.org.il) under 'Guidelines & Forms'. The BSF definition of Transformative Science has been adopted from the NSF and is: "Research driven by ideas that have potential to radically change our understanding of an important scientific concept, or lead to the creation of a new paradigm, or a new field of science. Such research is also characterized by its challenge to current understanding or by its pathways to new frontiers".

Amount: \$300,000

LOI: May 11, 2010; Applications must be submitted jointly by at least one Israeli and one American scientist, as required in all BSF programs.

Deadline: October 12, 2010; by invitation only

To learn more: <http://www.bsf.org.il/BSFPublic/ViewAnnouement.aspx?msgNum=31>

Key Words: **Transformative Science**

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

BAA 10-001

Office of Naval Research (ONR)

The Office of Naval Research (ONR) is interested in receiving proposals for Long-Range Science and Technology (S&T) Projects which offer potential for advancement and improvement of Navy and Marine Corps operations. Readers should note that this is an announcement to declare ONR's broad role in competitive funding of meritorious research across a spectrum of science and engineering disciplines.

Prior to preparing proposals, potential offerors are strongly encouraged to contact the ONR point of contact (POC) whose program best matches the offeror's field of interest. For information on POCs, refer to the ONR "Science and Technology Departments" as listed in the Science and Technology section of the ONR Home Page accessible through the World Wide Web at <http://www.onr.navy.mil/> and for ONR's International Agent located on the ONR Global Homepage at <http://www.onrglobal.navy.mil/>. A list of the Department Codes can be found at <http://www.onr.navy.mil/>.

Work funded under a BAA may include basic research, applied research and some advanced technology development (ATD). Research Protections Division subject areas (see web site for more subject areas):

Human subject research is critical to support the warfighter, Navy and Marine Corps training, operational capability, and the competency of the Navy medical department. This research includes the test and evaluation (T&E) of personal protective equipment such as body armor, hearing protection, and helmets; human factors engineering for combat stations/systems; improving treatment of decompression sickness; reducing spatial disorientation in aviators; and maximizing human performance and endurance, among many others.

Amount: varies

LOI: N/R

Deadline: September 30, 2010

To learn more: <http://www.onr.navy.mil/02/baa/docs/10-001.pdf>

Key Words: **Federal Funding, ONR**

Thyroid in Aging

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

PA-08-037

NIH

The purpose of this funding opportunity announcement (FOA) is to encourage submission of investigator-initiated research applications on the thyroid in aging. This FOA is intended to promote basic, translational, and clinical studies leading to increased understanding of the physiology of the aging thyroid and improved diagnosis and management of thyroid disease in older adults

Amount: varies

LOI: N/R

Deadline: multiple; see announcement

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-037.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-038.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-039.html>

Key Words:

Research Coordination Networks in Biological Sciences

NSF 09-554

National Science Foundation (NSF)

Support will be provided for groups of investigators to communicate and coordinate their efforts across disciplinary, organizational, institutional and geographical boundaries. The objectives are to facilitate open communication and exchange of information and resources, to integrate research and/or education activities of scientists working independently on topics of common interest, to nurture a sense of community among young scientists, and to minimize isolation and maximize cooperation so as to eliminate unnecessary duplication of efforts. Specific features of the program include:

Topic/focus of research coordination

Principal investigator (PI)

Group members

International participation

Coordination/management mechanism

Information and material sharing

Amount: \$250,000-\$500,000

LOI: N/R

Deadline: July 5, 2010

To learn more: http://www.nsf.gov/pubs/2009/nsf09554/nsf09554.htm?govDel=USNSF_25

Key Words: **International Collaboration**

NIH Exploratory Developmental Research Grant Program (Parent R21)

PA-10-069

National Institutes of Health (NIH)

multiple institutes

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

this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests. Investigators are strongly encouraged to consult the list of participating ICs and special research interests. The Exploratory/Developmental Grant (R21) mechanism is intended to encourage exploratory and developmental research projects by providing support for the early and conceptual stages of these projects. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on a field of biomedical, behavioral, or clinical research.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-069.html>

Key Words: **Investigator Initiated**

Research Project Grant (Parent R01)

PA-10-067

National Institutes of Health (NIH)

multiple institutes

The Research Project Grant (R01) is an award made to an institution/organization to support a discrete, specified, circumscribed project to be performed by the named investigator(s) in areas representing the specific interests and competencies of the investigator(s). The R01 research plan proposed by the applicant institution/organization must be related to the stated program interests of one or more of the NIH Institutes and Centers (ICs) based on descriptions of their programs.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-067.html>

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

NIH Small Research Grant Program (Parent R03)

PA-10-064

National Institutes of Health (NIH)

multiple institutes

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

Amount: \$100,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-064.html>

Key Words: **Genome Research, Drug Abuse, Aging, Child Health and Development, Nursing**

Bioengineering Research Grants (BRG)(R01)

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

PA-10-009 and PA-10-010

National Institutes of Health (NIH)

multiple agencies

Participating Institutes and Centers of the NIH invite applications for R01 awards to support Bioengineering Research Grants (BRGs) for basic and applied multi-disciplinary research that addresses important biological, bioengineering or medical research problems. The BRGs support multi-disciplinary research performed in a single laboratory or by a small number of investigators that applies an integrative, systems approach to develop knowledge and/or methods to prevent, detect, diagnose, or treat disease or to understand health and behavior. A BRG application may propose hypothesis-driven, discovery-driven, developmental, or design-directed research.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-009.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-010.html>

Key Words: **Bioengineering, Technology**

Recovery Act: Update on ARRA Quarterly Reporting Requirements for Non-Competing Continuation Awards and Relinquished Projects; and Guidance to Avoid Common Errors

NOT-OD-10-065

National Institutes of Health (NIH)

American Reinvestment and Recovery Act of 2009 (ARRA)

The purposes of this Guide Notice are to: 1) provide ARRA quarterly reporting guidance for NIH non-competing continuation awards; 2) provide guidance on reporting requirements for relinquished/transferred ARRA grants; and 3) help grantees avoid some common errors identified in previous reporting periods.

To increase transparency for the public on how ARRA funds are used, NIH and its grantees are required to separately award, track, monitor, account for, report on, audit and close out ARRA funding. All awards funded by ARRA require quarterly reporting through www.FederalReporting.gov in accordance with Section 1512 of the Act. This is in addition to the annual scientific progress reports submitted on the PHS 2590 and required financial reports submitted for most NIH grants. More information on the ARRA quarterly reporting requirements, including the NIH Data Dictionary and NIH Readiness Tool, can be found on the NIH Recovery Act Recipient Reporting web page available at http://grants.nih.gov/recovery/recipient_reporting.html.

Amount:

LOI:

Deadline: Release Date; March 19, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-10-065.html>

Key Words: **ARRA, Compliance, Regulations**

Recovery Act: Reminders on Annual Reporting Requirements and Notice of Revised Financial Closeout Requirements for ARRA-funded Administrative Supplements and Competitive Revisions

NOT-OD-10-066

National Institutes of Health (NIH)

American Reinvestment and Recovery Act of 2009 (ARRA)

The purposes of this Guide Notice are to: 1) remind NIH grantees that information on ARRA-funded Administrative Supplements and Competitive Revisions must be included in the annual progress report of the parent grant; 2) remind grantees on the special reporting requirements for administrative supplements providing summer experiences for students and science educators; and 3) inform grantees of revised financial closeout requirements when multiple ARRA-funded Administrative Supplements and/or Competitive Revisions are awarded to the same parent award.

Amount:

LOI:

Deadline: Release Date; March 17, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-10-066.html>

Key Words: **ARRA, Reporting, Regulations**

Recovery Act: Notice on the Proper Management of Recovery Act Spending to Promote Job Creation and Increase the Pace of Scientific Research; and Policy Limiting Second No-Cost Extensions to Recovery Act Grants

NOT-OD-10-067

National Institutes of Health (NIH)

American Reinvestment and Recovery Act of 2009 (ARRA)

The purposes of this Guide Notice are to: 1) reaffirm to NIH grantees that the primary goals of all NIH Recovery Act awards are to create U.S. jobs and increase the tempo of biomedical research; 2) remind Project Directors/Principal Investigators (PD/PIs) and grantee institutions that NIH fully expects Recovery Act grantees to expend funds in a timely and expeditious manner in accordance with the expected pace of research; 3) remind grantees that all Recovery Act expenditures remain subject to terms and conditions on the Notice of Award, including the NIH-HHS Standard Terms and Conditions for ARRA Awards (<http://grants.nih.gov/grants/guide/notice-files/NOT-OD-09-120.html>) and all referenced regulations and OMB Circulars; and 4) notify grantees that NIH expects all grant activities are to be completed consistent with the schedule of the approved project period. While the NIH Terms of Award provide for extending the final budget period of a project period for up to twelve months to allow for completion of the planned project; prior approval requests for additional extensions will only be considered in very limited circumstances.

Amount:

LOI:

Deadline: Release Date; March 17, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-10-067.html>

Key Words: **ARRA, Reporting, Regulations**

Instructions for Completion and Peer Review of the Vertebrate Animal Section (VAS) in NIH Grant Applications and Cooperative Agreements

NOT-OD-10-027

National Institutes of Health (NIH)

This Notice is to clarify the information that must be included in the Vertebrate Animal Section (VAS) of grant applications and cooperative agreements (subsequently referred to as applications) that use live vertebrate animals in research. It also explains how the VAS is evaluated as part of the NIH peer review process and is considered as part of the overall scoring. Distinction is made between the oversight role of the Institutional Animal Care and Use Committee (IACUC) and review responsibility of the NIH Scientific Review Group (SRG).

Amount:

LOI:

Deadline: Release Date March 17, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-10-027.html>

Key Words: **IACUC, Animal Use**

NIDCD Research Core Centers (P30)

PAR-10-077

National Institute on Deafness and Other Communication Disorders (NIDCD)

The NIDCD P30 Core Center grant contains one or more research-serving cores, providing centralized resources and facilities for funded R01 research projects. Although no funds are provided for direct support of research projects, a P30 helps to integrate and promote research in existing funded projects, and may include multi-disciplinary and regional collaborations. A Core Center must be an identifiable organizational unit either within a single grantee institution or representing a consortium of cooperating institutions (e.g., geographic or web-based). The Center may serve as an intellectual hub to stimulate cooperative research, to increase the effectiveness, capabilities or productivity of current research, and/or to promote new research directions through collaborations. Individual research cores of the Core Center may provide for sharing technical expertise or centralizing labor-intensive tasks common among several investigators (PD/PIs); staffing, training and maintenance of shared equipment or resources, including tools or staffing to enhance activities such as recruitment databases for clinical projects; or problem-solving through innovative technical solutions using the most current methodologies. NIDCD P30 funds do not provide patient services, or support unfunded pilot studies, or facilitate research other than for funded user projects, unless directly related to advancing the potential of the Core Center itself. A P30 may provide benefits to other core centers or the larger community through sharing data or technology.

Amount: \$2,500,000

LOI: 30 days before application receipt dates

Deadline: June 1, 2010, October 1, 2010, February 1, 2011, June 1, 2011, September 30, 2011, February 1, 2012, June 1, 2012, October 1, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-077.html>

Key Words: **Shared Equipment, Resource Cores, Communication Disorders**

Enhancing Zebrafish Research with Research Tools and Techniques (R01)

PAR-08-139

National Institute of Diabetes and Digestive and Kidney Diseases

National Cancer Institute

National Eye Institute

National Human Genome Research Institute

National Heart, Lung, and Blood Institute

National Institute on Alcohol Abuse and Alcoholism

National

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

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

LOI: August 17, 2010

Deadline: September 17, 2010

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

Key Words:

Genetic Screens to Enhance Zebrafish Research (R01)

PAR-08-138

National Institute of Child Health and Human Development

National Cancer Institute

National Heart, Lung, and Blood Institute

National Institute on Aging

National Institute on Alcohol Abuse and Alcoholism

National Institute of Arthritis and Musculoskeletal

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

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

LOI: August 25, 2010

Deadline: September 24, 2010

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

Key Words:

Renewal of Centers of Biomedical Research Excellence (COBRE) [P20]

PAR-09-180

National Center for Research Resources (NCRR)

The National Center for Research Resources (NCRR) of the NIH invites applications for renewal (competing continuation) of eligible Centers of Biomedical Research Excellence (COBRE) grants. The objective of the COBRE initiative is to strengthen an institution's biomedical research infrastructure through the establishment of a thematic, multi-disciplinary center and to enhance the ability of investigators to compete independently for National Institutes of Health (NIH) individual research grants or other external peer-reviewed support. COBRE awards are supported through the Institutional Development Award (IDeA) Program, which aims to foster health-related research by increasing the competitiveness of investigators at institutions located in states with historically low aggregate success rates for grant awards from the NIH.

Amount: \$2,200,000

LOI: N/R

Deadline: September 22, 2010, September 22, 2011

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

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

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/PA-08-150.html>

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

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

PA-10-138

National Center for Research Resources (NCRR)

This funding opportunity announcement (FOA) issued by NCRR, National Institutes of Health, encourages research grant applications from institutions/ organizations that propose to develop, characterize or improve animal models for human disease or to improve diagnosis and control diseases of laboratory animals that may interfere with research. Models to be considered must be applicable to the research interests of two or more categorical NIH Institutes/Centers. Investigators considering applying are strongly encouraged to consult with NCRR program staff as early as possible to be advised whether this FOA is appropriate. Proposals to develop models that would not have broad applications, but would apply only to a specific disease or category of research, should be proposed to the appropriate categorical institute of the National Institutes of Health (NIH), e.g., models or model systems with primary focus on cancer or heart diseases should contact those categorical institutes at NIH to discuss alternative funding opportunities.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-138.html>

Key Words: **Animal Models of Disease**

Research Education Program for Laboratory Animal Medicine Veterinarians (R25)

RFA-RR-10-002

National Center for Research Resources (NCRR)

This funding opportunity announcement issued by the National Center for Research Resources (NCRR), National Institutes of Health (NIH), solicits Research Education Grant (R25) applications to provide research education for veterinarians interested in pursuing a career in Laboratory Animal Medicine. The objective is to prepare veterinarians to be competent and proficient in the field of Laboratory Animal Medicine in support of biomedical investigations with emphasis on performing collaborative research, and development and maintenance of animal models in support of translational research activities.

Amount: \$560,000

LOI: N/R

Deadline: May 13, 2010

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

Key Words: **Veterinarians, Laboratory Animal Medicine**

Grants for Research in the Life Sciences (multiple disciplines)

Mathers Charitable Fund (MCF)

The G. Harold & Leila Y. Mathers Foundation is primarily interested in supporting fundamental basic research in the life sciences. Support is provided for specific projects from established researchers at top universities and independent research institutions within the United States.

Amount: unspecified

LOI: N/R

Deadline: Continuous, queries and requests are processed when received.

To learn more: <http://www.mathersfoundation.org/>

Key Words:

FY 2010 Continuation of Solicitation for the Office of Science Financial Assistance Program

FY 2010 Annual Notice: Submission of Renewal and Supplemental Applications for the Office of Science Grants and Cooperative Agreements

DE-FOA-0000178 and DE-FOA-0000179

Department of Energy (DOE)

The Office of Science of the Department of Energy hereby announces its continuing interest in receiving grant applications for support of work in the following program areas: Advanced Scientific Computing, Biological and Environmental Research, Basic Energy Sciences, Fusion Energy Sciences, High Energy Physics, Nuclear Physics, and Workforce Development for Teachers and Scientists.

Amount: unspecified

LOI: N/R

Deadline: September 30, 2010

To learn more: <http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=50496>

Key Words: **Environmental Research**

Travel Grants

Boehringer Ingelheim Fonds (BIF) - Foundation for Basic Research in Biomedicine

Travel Grants are available to junior researchers pursuing experimental projects in basic biomedical research. to learn clearly-defined methods useful for your ongoing research and the work of your research group at home by visiting another laboratory, or by attending research-orientated courses which include practical training.

Amount: 3 months support

LOI: N/R

Deadline: Continuous

To learn more: http://www.bifonds.de/cgi-bin/show.pl/travel_grants/travel_grants.html?sid=iw5d2ei4y1oz8takvjsb4dr4i0a3hoe4

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

AHRQ Small Research Grant Program (R03)

PAR-06-448

Agency for Healthcare Research and Quality (AHRQ)

This funding opportunity announcement (FOA) issued by AHRQ supports Small Research Grant (R03) applications. The R03 grant mechanism supports different types of health services research projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and, development of new research technology.

Amount: \$100,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-06-448.html>

Key Words: **Health Care Services, Health Care Information, Health Care Practice & Policy, Patient Safety, Patient-Centered Care, Payment & Organization**

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

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

Cooperative Program in Translational Research for Neuromuscular Disease (U01)

PAR-08-229

National Institute of Neurological Disorders and Stroke

National Institute of Arthritis and Musculoskeletal and Skin Diseases

The goal of this funding opportunity announcement (FOA), from the National Institute of Neurological Disorders and Stroke (NINDS) and the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), is to support preclinical development and testing of new therapies for neuromuscular diseases. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program supports preclinical optimization and testing of these leads and projects must be sufficiently advanced that an IND or IDE application to the FDA can be submitted by the end of the project period. The program does not support early-stage therapeutic discovery activities such as high throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NIH staff in the development of the project plan and monitoring of research progress.

Amount: varies

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-229.html>

Key Words: **Neuromuscular Diseases, Stroke, Neurological Disease**

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

PAR-08-228

National Institute of Neurological Disorders and Stroke

National Institute of Arthritis and Musculoskeletal and Skin Diseases

This Funding Opportunity Announcement (FOA), from the National Institute of Neurological Disorders and Stroke (NINDS) and the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), requests applications for projects intended to complete preliminary steps in the pipeline for the preclinical development of therapeutics for neuromuscular diseases. Such projects, if successful, should lead directly to a subsequent project that will include all remaining activities for submission of an Investigational New Drug (IND) or Investigational Device Exemptions (IDE) application to the Food and Drug Administration (FDA). Only Aims required for therapy development can be supported in this program. This program excludes clinical research, basic research, and studies of disease mechanisms.

Amount: \$275,000

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-228.html>

Key Words: **Neuromuscular Diseases, Stroke, Neurological Disease**

Centers of Research Translation (P50)

RFA-AR-11-002

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

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

Amount: \$5,000,000

LOI: May 10, 2010; May 10, 2011

Deadline: June 10, 2010; June 10, 2011

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AR-11-002.html>

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

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

PAR-09-135

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

This Funding Opportunity Announcement (FOA), issued by the National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health, encourages applications that propose to perform replication, fine-mapping, and sequencing studies of human genomic regions that are putatively associated with phenotypes relevant to the NIAMS mission. Genomic regions of interest are primarily those identified by genome-wide association studies (GWAS). The objective of this FOA is to enhance the identification of causal genes and genetic variants that influence complex diseases relevant to the NIAMS mission. Replication, fine-mapping, and sequencing studies are to be conducted in existing cohorts with defined phenotypes. This FOA will not support recruitment of human subjects, collection of medical or phenotypic data, studies using animal models, or the initial discovery phase of GWAS.

Amount: \$500,000

LOI: June 1, 2010; June 1, 2011

Deadline: June 29, 2010; June 29, 2011

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

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

Year 2010 Department of Defense Peer Reviewed Medical Research Program

W81XWH-10-PRMRP-CTA

W81XWH-10-PRMRP-IIRA

W81XWH-10-PRMRP-TTDA

Department of Defense (DOD)

Congressionally Directed Medical Research Programs (CDMRP)

All applications for PRMRP funding must specifically and clearly address at least one of the topic areas as directed by Congress, and have direct relevance to the health care needs of the Armed Forces, their family members, and/or the U.S. veteran population. If the proposed research has no relevance to currently advertised PRMRP topic areas, the Government reserves the right to administratively withdraw the application. The Government also reserves the right to reassign the proposal's topic area if submitted under an inappropriate topic area. The FY10 PRMRP topic areas as provided by Congress are listed below.

Chronic Migraine and Post-traumatic Headache

Dystonia

Drug Abuse

Epilepsy

Fragile X Syndrome

Inflammatory Bowel Disease

Interstitial Cystitis

Listeria vaccine for infectious disease

Lupus

Mesothelioma

Neuroblastoma

Osteoporosis and related bone disease

Paget's Disease

Pheochromocytoma

Polycystic Kidney Disease

Post-traumatic Osteoarthritis

Scleroderma

Social Work Research

Tinnitus

Amount: up to \$2,200,000

LOI: April 22, 2010 for Clinical Trial Award, Technology/Therapeutic Development Award

Deadline: May 13, 2010 for Clinical Trials Award, Technology/Therapeutic Development Award

August 5, 2010 for Investigator-Initiated Research Award

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

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

FY10 Bone Marrow Failure Research Program (BMFRP)

W81XWH-10-BMFRP-NIA

Department of Defense (DOD)

Congressionally Directed Medical Research Programs (CDMRP)

The objectives of the BMFRP are to fund scientifically meritorious research focused on BMF syndromes and their long-term sequelae.

Studies that primarily focus on myeloproliferative neoplasms, leukemia, or other malignancies are discouraged. However, studies investigating BMF syndromes and their progression to other malignancies such as leukemia are acceptable. Proposals involving therapeutics, including but not limited to bone marrow transplantation, are strongly encouraged to address issues unique to BMF syndromes.

Amount: up to \$400,000

LOI: June March 11 for New Investigator Award

Deadline: June 10, 2010 for New Investigator Award

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

Key Words: **Bone Marrow Transplant, Failure, New Investigator**

Nanomedicine/Nanotechnology

ARL/ARO Broad Agency Announcement-Revised

W911NF-07-R-0001-02

U.S. Army Research Laboratory (ARL)

14.0. Extramural research in the Life Sciences is supported by the Army Research Office. For those proposals related to purely medical topics, the investigator is invited to contact the U.S. Army Medical Research and Materiel Command. For research in the behavioral and social sciences or in training techniques, contact the Army Research Institute for Behavioral and Social Sciences. The ARO Life Sciences Division research program is currently focused on four sub area work packages. The titles, scopes and points of contact for these work packages, each of which address general aspects of basic research in biotechnology, as well as the specific thrusts described, are listed below. A small number of symposia, conferences and workshops are also supported in part or in whole to provide an exchange of ideas related to ongoing programs in Army laboratories.

Potential offerors are strongly encouraged to contact the appropriate TPOC for preliminary discussions on their ideas before any submissions. The TPOC may invite the offeror to submit a preproposal.

14.1. Bioengineering. Fundamental studies to define structure-function relationships and biochemical interactions for enzymes, receptors and other macromolecules exhibiting mechanisms and properties uniquely relevant to synthetic and degradative pathways of interest to the military, including establishment of the foundations for manipulation and exploitation of biocatalysis, ribosomal and non-ribosomal biosynthesis to enhance permissiveness toward elaboration of useful biomolecular structures and cellular systems designed with "metabolic engineering" in mind. Also, research to provide insight from nature on novel theoretical principles and mechanisms in sensory and motor function, as well as on materials with extraordinary properties, from biological sources. Includes not only initial molecular events, signal transduction pathways and integrated information processing for the powerful sensing capabilities exhibited in the biological world, but also self-assembly processes, hierarchical structure formation, and functional characterization of biomolecular materials such as those with potential "biomimetic" utility for nanometer scale fabrication or for energy and information transfer, among other possibilities. Technical Point of Contact: Dr. Robert Kokoska, Robert.kokoska@us.army.mil, (919) 549-4342.

14.2 Molecular Genetics and Genomics. This program emphasizes basic research in molecular genetics and genomics that will enable optimization of soldier cognitive and physical performance, soldier protection, and Army logistics. This includes human performance and protection under both normal conditions, and when affected by a variety of stressors that are likely to be encountered in battlefield situations, such as dehydration, heat, cold, sleep deprivation, fatigue, caloric insufficiency, microbial factors, and psychological stress. Genetic and genomic research areas include identification and characterization of gene function, gene regulation, genetic interactions, gene pathways, gene expression patterns, mitochondrial regulation and biogenesis, and nuclear and mitochondrial DNA replication, mutagenesis, oxidative stress, and DNA repair. Also molecular responses to pathogens, pathogen identification, and pathogen inactivation, as well as host-pathogen interactions, and host components of infection and resistance to infection. This program is also interested in the biotechnology of microarrays, including both genomic- and proteomic-based platforms, for real time detection of pathogens or physiological states that would reduce or interfere with human performance. This program also supports development of new biomaterials and bioproduction methods, and other advances in biotechnology methods and applications. Technical Point of Contact: Dr. Micheline Strand, e-mail: Micheline.strand@us.army.mil, (919) 549-4343.

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

Also included is the development of microbial systems for unique biotechnological applications and bioengineering processes with individual microbial species or consortia of microorganisms, emphasizing the control, stability, and mechanisms of the basic cellular processes involved. Technical Point of Contact: Dr. Micheline Strand, e-mail: Micheline.strand@us.army.mil, (919) 549-4343.

14.4 Neurophysiology and Cognitive Neuroscience. Research in the perception and cognition subfields of neurophysiology and the cognitive neurosciences, covering several or all areas of electrophysiology, psychophysiology, sensory and perceptual physiology, computational neurobiology, psychophysics, neuropsychology, and integrative neurobiology is of interest. Specific examples can include physiological, neuro-psychological and/or cortical/cognitive mechanisms underlying successful completion of complex task behaviors applicable to nonlaboratory environments under non-ideal conditions, to include both amelioration of induced losses as well as enhancement in defined perceptual, cognitive and/or motor abilities. Investigations can span the gamut from multi-unit recordings through evoked potentials and neuro-imaging technologies to humoral and psychological correlates of both central and peripheral nervous system function. Non-medically oriented research designed to elucidate the fundamental physiology underlying cognition and possible non-invasive methods of monitoring cognitive states and processes during normal activity is appropriate. Perceptual and/or psychophysiological implications of mind-machine interfaces ranging from optimizing auditory, visual and/or somatosensory display and control systems based on physiological or psychological states through modeling of individual cognitive dynamics and decision making is appropriate to this research area. Technical Point of Contact: Dr. Elmar T. Schmeisser e-mail elmar.schmeisser@us.army.mil, (919) 549-4318.

Amount: unspecified

LOI: N/R

Deadline: September 30, 2011

To learn more: http://www.arl.army.mil/www/DownloadedInternetPages/CurrentPages/DoingBusinesswithARL/research/07-r-0001-02_amendment2.pdf

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

Nanoscience and Nanotechnology in Biology and Medicine (R01) [PA-08-052] and (R21) [PA-08-053]

PA-08-052 and PA-08-053

NIH

This funding opportunity (FOA) is aimed at enhancing nanoscience and nanotechnology research focused on problems in biology and medicine.

Amount: varies

LOI: N/R

Deadline: multiple, see listing

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-052.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-053.html>

Key Words:

Innovation in Molecular Imaging Probes (R01)

PAR-09-016

National Institute of Biomedical Imaging and Engineering

National Institute on Aging

National Institute of Arthritis and Musculoskeletal and Skin Diseases

Eunice Kennedy Shriver National Institute of Child Health and Human Development

National Institute

This FOA is issued by the National Institute of Biomedical Imaging and Bioengineering, National Institutes of Health. This FOA is a follow up of a previous Roadmap RFA (RM-04-021 "Innovation in Molecular Imaging Probes"). The purpose of this initiative is to encourage the development of novel molecular imaging approaches that can detect and image specific molecular activities in vivo, and have the potential for clinical applications. Novel molecular imaging approaches developed through this initiative can focus on one (or both) of the following long-term translational goals: (1) imaging the characteristic markers, and function, of normal cells in control human subjects and patients, and (2) imaging the characteristic markers, and biochemical or physiological abnormalities, of disease cells in patients. Potential abnormalities that could provide early markers for disease include (but are not restricted to): inflammation, fibrosis, immune cell activation, altered signal transduction pathways, altered gene expression pathways, and altered post-translational modification of proteins. This initiative solicits applications that explore innovative "high-impact" approaches, rather than incremental technology development that is already supported by current NIH programs.

Amount: varies

LOI: December 21, 2010; April 21, 2010; August 21, 2010; April 20, 2011; August 21, 2011

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

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-016.html>

Key Words: **Molecular Imaging Probes**

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

PA-08-143 and PA-08-144

National Cancer Institute

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

Amount: varies

LOI: N/R

Deadline: standard dates apply

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

Key Words:

Critical Challenges in Parkinson's Disease

Michael J Fox Foundation (MJFF)

The foundation has announced that up to \$5.75 million in total funding will be available through three 2010 Critical Challenges:

Alpha-synuclein Therapeutics — A total of \$3 million in funding is available for pre-clinical projects to accelerate therapeutic development of the PD-implicated gene alpha-synuclein, which many researchers believe holds potential to lead to a new treatment that could slow or stop the progression of PD.

Pharmacodynamic Biomarkers of LRRK2 Activity — A total of \$2 million in funding is available for efforts to develop drug-activity biomarkers that can improve outcomes from future clinical trials of treatments targeting the PD-implicated gene LRRK2. The foundation will give preference to proposals seeking to verify and validate promising, pre-defined candidate LRRK2-associated biomarkers.

Novel Hypotheses in Parkinson's Disease: Investigating Clinical Data and Human Tissue — A total of \$750,000 is available to provide scientists around the globe with the opportunity to collaborate with the Arizona Parkinson's Disease Consortium. Funded investigators should propose drug development projects that can benefit from access to APDC's exceptional bank of well-characterized biologics, postmortem tissue, and associated clinical data.

Amount: unspecified

LOI: April 28, 2010

Deadline: July 13, 2010

To learn more: http://www.michaeljfox.org/research_fundingOpportunities.cfm

Key Words: **Parkinson's Disease, Histologic Studies, Biological Targets, Molecular Risk Factors, Gene Expression, Disease Progression**

Advances in Bioscience for Airmen Performance

BAA-09-02-RH

Air Force Research Laboratory, Human Effectiveness Directorate, Biosciences and Performance Division (AFRL/RHP)

The 711th Human Performance Wing, Human Effectiveness Directorate is soliciting white papers under this announcement for innovative science and technology projects to support advanced bioscience research. Specifically, the Biosciences and Performance Division is seeking unique and innovative research concepts that address its technical mission areas. Research is sought primarily in the following four technical areas: 1) Applied Biotechnology, 2) Biobehavioral Performance, 3) Biomechanics, and 4) Counter proliferation.

- 1) Applied Biotechnology - Goal is to develop and exploit advances in biotechnology and associated nanotechnologies to enhance performance and situational awareness of the force.
- 2) Biobehavioral Performance – Goal is to develop bio-based methods and techniques to sustain and optimize airmen's cognitive performance.
- 3) Vulnerability Analysis – Goal is to rapidly identify human threat conditions, and sustain/expand Airmen performance in stressful environments. It includes research in physical and physiological biosignatures, neuroscience, anthropometry, biomechanics, human modeling, database networking, and data mining.
- 4) Counter proliferation – Goal is to improve the Air Force's ability to locate, identify, track, target, and destroy biological warfare agents (BWA) and other weapons of mass destruction (WMD), as well as anticipate and mitigate WMD effects on AF operations.

Amount: Cost Plus

LOI: White Papers accepted until September 30, 2014

Deadline:

To learn more:

https://www.fbo.gov/index?s=opportunity&mode=form&id=411797fcc2260cb5d9ed346b3c139a4b&tab=core&_cvview=1&cck=1&au=&ck=

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

Neurosciences

The Brodsky Grant

New

The Alzheimer's Foundation of America

The Alzheimer's Foundation of America is accepting applications for its annual Brodsky Grant recognizing an innovative program or service that improves the lives of individuals with Alzheimer's disease and related illnesses, as well as the lives of their families.

The Brodsky Grant will provide \$30,000 to a new or existing program that betters the lives of those affected by dementia, and exemplifies innovativeness, greatest need, and replication potential. Programs could involve, but are not limited to, hands-on care, delivery of social services, cognitive stimulation, the arts, safety, and training.

Only nonprofit organizations that are members of AFA may apply. Organizations that join AFA prior to the grant deadline are eligible.

Amount: \$30,000

LOI: N/R

Deadline: May 15, 2010

To learn more: http://www.alzfdn.org/AFAServices/brodsky_grant.html

Key Words: **Alzheimer's Disease, Respite Care**

Research on Autism and Autism Spectrum Disorders (R01), (R03), and (R21)

New

PA-10-158, PA-10-159, and PA-10-160

National Institutes of Health (NIH)

multiple institutes

This funding opportunity announcement (FOA) encourages research grant applications to support research designed to elucidate the etiology, epidemiology, diagnosis, treatment, and optimal means of service delivery in relation to autism spectrum disorders (ASD). Basic, clinical, and applied studies are encouraged. This FOA is intended to support the broad research goals of the Strategic Plan for ASD Research (<http://iacc.hhs.gov/reports/2009/iacc-strategic-plan-for-autism-spectrum-disorder-research-jan26.shtml>).

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-158.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-159.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-160.html>

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

Grants for Alzheimer's Disease Drug Discovery (R21)

New

PAS-10-151

National Institute on Aging (NIA)

The goal of this FOA is to advance the discovery of new, efficacious therapies for the treatment, delay of progression, or prevention of Alzheimer's disease (AD), mild cognitive impairment (MCI) and age-related cognitive decline. This FOA encourages the early stages of drug discovery necessary to identify promising disease-modifying therapies as well as treatments aimed at ameliorating the cognitive and neuropsychiatric/behavioral symptoms characteristic of Alzheimer's disease. Studies aimed at the discovery and testing of therapies directed at a variety of established as well as novel therapeutic targets are encouraged. The goal is not to duplicate or compete with pharmaceutical companies but to encourage the process of discovering new, innovative, and effective therapeutics for the prevention and treatment of the cognitive impairment and behavioral symptoms associated with Alzheimer's disease.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAS-10-151.html>

Key Words: **Alzheimer's Disease**

International Neuroscience Fellowship (F05)

New

PAR-10-167

National Institute of Neurological Disorders and Stroke (NINDS)

National Institute on Aging (NIA)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

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

National Ins

The goal of the International Neuroscience Fellowship (INF) is to advance the training of qualified foreign neuroscientists and clinicians at the early or mid-career level, by enhancing their basic, translational or clinical research skills in a research setting in the United States (U.S.). This program aims to strengthen the intellectual capital of neuroscience research in international institutions. Awardees are expected to pursue future independent and productive careers, which stimulate research in the neurosciences on a global scale.

Amount: unspecified

LOI: July 16, 2010, 2011, 2012

Deadline: August 16, 2010, 2011, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-167.html>

Key Words: **Neuroscience Fellows**

NINDS Cooperative Program in Translational Research for Resistant Epilepsy and Epileptogenesis (U01)

New

PAR-10-144

National Institute of Neurological Disorders and Stroke (NINDS)

The goal of this funding opportunity announcement (FOA), from the National Institute of Neurological Disorders and Stroke (NINDS) is to support preclinical development of new therapies to cure epilepsy, prevent the emergence of epilepsy following brain injury (including status epilepticus, traumatic brain injury, stroke, encephalitis, or other injury) or in other high-risk groups, or to better treat individuals with intractable epilepsy. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program supports preclinical optimization and testing of these leads and projects must be sufficiently advanced that an IND or IDE application to the FDA can be submitted by the end of the project period. The program does not support early-stage therapeutic discovery activities such as high throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NIH staff in the development of the project plan and monitoring of research progress.

Amount: varies

LOI: 30 days prior to each submission date

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-144.html>

Key Words: **Epilepsy**

NINDS Exploratory/Developmental Projects in Translational Research for Resistant Epilepsy and Epileptogenesis (R21)

New

PAR-10-143

National Institute of Neurological Disorders and Stroke (NINDS)

This funding opportunity announcement (FOA), from the National Institute of Neurological Disorders and Stroke (NINDS) encourages applications for projects intended to complete preliminary steps in the pipeline for the preclinical development of therapeutics to cure epilepsy, prevent the emergence of epilepsy following brain injury (including status epilepticus, traumatic brain injury, stroke, encephalitis, or other injury) or in other high-risk groups, or to better treat individuals with intractable epilepsy. Such projects, if successful, should lead directly to a subsequent project that will include all remaining activities for submission of an Investigational New Drug (IND) or Investigational Device Exemptions (IDE) application to the Food and Drug Administration (FDA). Only Aims required for therapy development can be supported in this program. This program excludes clinical research, basic research, and studies of disease mechanisms.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-143.html>

Key Words: **Epilepsy**

Alzheimer's Disease Drug Discovery Research

New

Edward N. & Della L. Thome Memorial Foundation, Bank of America

The Edward N. & Della L. Thome Memorial Foundation was created in 2002 to advance the health of older adults through the support of direct service projects and medical research on diseases and disorders affecting older adults. In keeping with the Foundation's mission, we are pleased to announce a new Awards Program in Alzheimer's disease (AD) research. The goal of the Awards Program is to support innovative drug discovery research that will lead to improved therapies for individuals suffering from Alzheimer's disease. Basic research or new target discovery, genetic studies, biomarker research, neuroimaging, and clinical studies are currently outside the scope of this Program.

Amount: \$750,000

LOI: N/R

Deadline: June 15, 2010

To learn more: <https://www.bankofamerica.com/philanthropic/foundation.action?fnld=25>

Key Words: **Alzheimer's Disease**

Association for Frontotemporal Dementias Research Grant

New

Association for Frontotemporal Dementias

The Request for Proposals is designed to generate preliminary data for larger grant applications to the NIH or other public or private agencies concerned with this important medical and social problem.

Amount: \$60,000

LOI: N/R

Deadline: June 28, 2010

To learn more: <http://www.ftd-picks.org/front-page/2010-aftd-research-rfp>

Key Words: **Frontotemporal Dementias, Dementia, Behavioral Variant FTD, Corticobasal Degeneration, FTD Motor Neuron Disease, Pick's Disease, Progressive Aphasia, Semantic Dementia, Progressive Supranuclear Palsy**

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.

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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.

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14.4 Neurophysiology and Cognitive Neuroscience. Research in the perception and cognition subfields of neurophysiology and the cognitive neurosciences, covering several or all areas of electrophysiology, psychophysiology, sensory and perceptual physiology, computational neurobiology, psychophysics, neuropsychology, and integrative neurobiology is of interest. Specific examples can include physiological, neuro-psychological and/or cortical/cognitive mechanisms underlying successful completion of complex task behaviors applicable to nonlaboratory environments under non-ideal conditions, to include both amelioration of induced losses as well as enhancement in defined perceptual, cognitive and/or motor abilities. Investigations can span the gamut from multi-unit recordings through evoked potentials and neuro-imaging technologies to humoral and psychological correlates of both central and peripheral nervous system function. Non-medically oriented research designed to elucidate the fundamental physiology underlying cognition and possible non-invasive methods of monitoring cognitive states and processes during normal activity is appropriate. Perceptual and/or psychophysiological implications of mind-machine interfaces ranging from optimizing auditory, visual and/or somatosensory display and control systems based on physiological or psychological states through modeling of individual cognitive dynamics and decision making is appropriate to this research area. Technical Point of Contact: Dr. Elmar T. Schmeisser e-mail elmar.schmeisser@us.army.mil, (919) 549-4318.

Amount: unspecified

LOI: N/R

Deadline: September 30, 2011

To learn more: http://www.arl.army.mil/www/DownloadedInternetPages/CurrentPages/DoingBusinesswithARL/research/07-r-0001-02_amendment2.pdf

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

Department of Defense Autism Research Program

U.S. Army Medical Research

The FY09 ARP encourages proposals that specifically address critical needs of the Autism Spectrum Disorders (ASD) community in the following areas (Revised for FY09):

- Co-morbidity: (e.g., manifestations such as disorders [gastrointestinal, sleep, behavioral, speech/language], psychiatric, seizures, immune dysfunction, motor and sensory deficits, metabolic dysfunction, and effects of ASD on intellectual ability)

· Predictors for Treatment Outcomes: Identification of biomarkers, clinical characteristics, or other phenotypic markers that predict outcomes of a treatment, or populations that will or will not respond to a treatment (traditional or complementary and alternative) FY09 ARP program announcements and application instructions for the following award mechanisms are anticipated to be posted and available on Grants.gov in February 2009.

Amount: \$750,000

LOI: pre-application required

Deadline: posting early February

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

Key Words: **Autism, Autism Spectrum Disorders, ASD**

Translational Grants

The American Brain Tumor Association

These awards help scientists further develop studies on the cusp of moving from the laboratory into patient testing. These \$75,000 one year grants often support the collection of the preclinical data researchers need to apply for major funding from other sources, such as the National Cancer Institute (NCI) or the National Institute of Neurological Disorders and Stroke (NINDS). Applicants must be in the earlier years of their investigator career. Criteria for funding include the quality and therapeutic potential of the research, the quality of the laboratory environment, and the applicant.

Amount: \$75,000

LOI: N/R

Deadline: January 8, 2011

To learn more: http://www.abta.org/Research_Progress/2010_Funding_Opportunities/294

Key Words: **Brain Tumor**

Neural Systems

PD 07-5500

NSF

The Neural Systems Cluster focuses on how complex functions arise from communication among the cellular elements of the nervous system and from interactions with other physiological systems and the environment. The Cluster encourages a systems biology approach to understand how emergent neural properties such as robustness, adaptability and resilience arise in the context of environmental, genetic and evolutionary influences.

Amount: \$140,000

LOI: N/R

Deadline: January 12; July 12; Annually

To learn more: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501089

Key Words: **Neuroscience, Nervous System, Neural Interaction**

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:

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:

Silvio O. Conte Centers for Basic and Translational Mental Health Research (P50)

PAR-08-194

National Institutes of Health (NIH)

National Institute of Mental Health (NIMH)

The National Institute of Mental Health (NIMH) invites applications for Conte Centers for Basic and Translational Mental Health Research. The purpose of these Centers is to support interdisciplinary teams of researchers engaging in integrative, novel, and creative experimental approaches to address high-risk, high-impact questions that will significantly advance the state of the science in brain and behavioral research relevant to mental health. Conte Centers comprise a collaborative, cutting-edge, interdisciplinary research program conducted at multiple levels of analysis spanning from genes to behavior to disease in humans, animals, and model systems, from infancy to adulthood as appropriate, based on a well-defined and unified scientific question (hypothesis) or problem. Areas of interest span the full range of basic neuroscience, basic behavioral science, genetics research, and proof-of-concept clinical trials, as well as the translational integration of neuroscience and behavioral science with study of the etiology, pathogenesis, and/or the developmental progression of mental disorders across the lifespan. Proposed Centers should be directed towards a well-defined and unified scientific question or problem and in some instances may include discovery-based as well as technology development components.

Amount: \$10,750,000

LOI: August 25, 2010

Deadline: September 23, 2010

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PAR-08-194.html>

Key Words: **Mental Health, Neuropsychiatry, Psychiatry**

Jointly Sponsored Ruth L. Kirschstein National Research Service Award Institutional Predoctoral Training Program in the Neurosciences (T32)

PAR-10-116

National Institutes of Health (NIH)

multiple institutes

The Jointly Sponsored NIH Predoctoral Training Program in the Neurosciences supports broad and fundamental, early-stage graduate research training in the neurosciences via institutional NRSA research training grants (T32) at domestic institutions of higher education. Trainees are supported during years 1 and 2 of their graduate research training when they are typically not committed to a dissertation laboratory. The primary objective is to prepare qualified individuals for careers in neuroscience that have a significant impact on the health-related research needs of the Nation.

Amount: varies

LOI: April 25, 2010

Deadline: May 25, 2010

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-116.html>

Key Words: **Graduate Research Training, Neurosciences**

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**

Imaging - Science Track Award for Research Transition (I/START) [R03]

PAR-09-073

National Institute on Drug Abuse (NIDA)

This funding opportunity announcement (FOA) issued by the National Institute on Drug Abuse encourages Small Research Grant (R03) applications to facilitate the entry of investigators to the area of neuroimaging, including both new investigators and established investigators seeking to adopt neuroimaging methodologies in their research programs. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.

Amount: \$150,000

LOI: 30 days prior to the application due date

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-073.html>

Key Words: **Neuroimaging**

Alzheimer's Disease Drug Development Program (U01)

PAR-08-266

National Institute on Aging (NIA)

The objective of this solicitation is to stimulate research in the pre-clinical development and testing of novel therapeutic compounds aimed at slowing, halting, or reversing the progressive decline in cognitive function and modifying the behavioral symptoms in Alzheimer's disease (AD); or delaying the onset of or preventing AD, mild cognitive impairment (MCI), or age-related cognitive decline. This initiative is intended to stimulate activities focused on providing sufficient data to submit an Investigational New Drug (IND) application to the Food and Drug Administration to begin human clinical testing of potential new therapies. For this program neither mechanistic/basic studies nor clinical trials will be supported; only applications to develop a therapy will be accepted.

Amount: \$4,000,000

LOI: September 1, 2010, October 1, 2010, January 3, 2011, February 1, 2011, September 1, 2011 and October 3, 2011. (Note: The October and February letters of receipt dates are for amended applications only).

Deadline: October 1, 2010, November 1, 2010, February 1, 2011, March 1, 2011, October 1, 2011 and November 1, 2011. (Note: The November and March receipt dates are for amended applications only).

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-266.html>

Key Words: **Alzheimer's Disease, Cognitive Function, Cognitive Impairment**

The Role of Apolipoprotein E, Lipoprotein Receptors and CNS Lipid Homeostasis in Brain Aging and Alzheimer's Disease (R01)

PA-09-217

National Institute on Aging (NIA)

This FOA encourages multidisciplinary and interdisciplinary research to elucidate how Apolipoprotein E, lipoprotein receptors and CNS lipid homeostasis influence brain aging and the transition to neurodegeneration in Alzheimer's disease (AD). The ultimate goal is to gain an in depth understanding of the mechanisms by which the Apolipoprotein E e4 allele confers increased AD risk for the purpose of advancing the overall search for efficacious AD treatments and Apolipoprotein E e4-directed therapeutics in particular. To this end we encourage research spanning multiple levels of analysis in multiple species (from mice to man). Studies aimed at identifying new therapeutic targets for the treatment of AD and other age-related neurodegenerative conditions associated with lipid neurobiology are strongly encouraged. Also of great interest are projects that aim to use lipidomics, various types of imaging and other cutting edge technologies to identify and develop early biomarkers of neurodegeneration associated lipid dyshomeostasis.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-217.html>

Key Words: **Apolipoprotein, Alzheimer's Disease**

Mechanisms, Models, Measurement, & Management in Pain Research (R01), (R03) and (R21)

PA-10-006 and PA-10-008 and PA-10-007

National Institute of Nursing Research (NINR)

National Cancer Institute (NCI)

National Center for Complementary and Alternative Medicine (NCCAM)

National Institute on Aging (NIA)

National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)

The purpose of this Funding Opportunity Announcement (FOA), "Mechanisms, Models, Measurement, & Management in Pain Research" issued by the National Institute of Nursing Research (NINR), in conjunction with members of the NIH Pain Consortium as listed above, is to inform the scientific community of the pain research interests of the various Institutes and Centers (ICs) at the National Institutes of Health (NIH) and to stimulate and foster a wide range of basic, clinical, and translational studies on pain as they

relate to the missions of these ICs. New advances are needed in every area of pain research, from the micro perspective of molecular sciences to the macro perspective of behavioral and social sciences. Although great strides have been made in some areas, such as the identification of neural pathways of pain, the experience of pain and the challenge of treatment have remained uniquely individual and unsolved. Furthermore, our understanding of how and why individuals transition to a chronic pain state after an acute insult is limited. Research to address these issues conducted by interdisciplinary and multidisciplinary research teams is strongly encouraged, as is research from underrepresented, minority, disabled, or women investigators.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-006.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-007.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-008.html>

Key Words: **Nursing, Pain Management, Clinical and Translational**

Exploratory/Developmental Projects in Translational Research for Neuromuscular Disease (R21)

PAR-08-228

National Institute of Neurological Disorders and Stroke

National Institute of Arthritis and Musculoskeletal and Skin Diseases

This Funding Opportunity Announcement (FOA), from the National Institute of Neurological Disorders and Stroke (NINDS) and the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), requests applications for projects intended to complete preliminary steps in the pipeline for the preclinical development of therapeutics for neuromuscular diseases. Such projects, if successful, should lead directly to a subsequent project that will include all remaining activities for submission of an Investigational New Drug (IND) or Investigational Device Exemptions (IDE) application to the Food and Drug Administration (FDA). Only Aims required for therapy development can be supported in this program. This program excludes clinical research, basic research, and studies of disease mechanisms.

Amount: \$275,000

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-228.html>

Key Words: **Neuromuscular Diseases, Stroke, Neurological Disease**

Cooperative Program in Translational Research for Neuromuscular Disease (U01)

PAR-08-229

National Institute of Neurological Disorders and Stroke

National Institute of Arthritis and Musculoskeletal and Skin Diseases

The goal of this funding opportunity announcement (FOA), from the National Institute of Neurological Disorders and Stroke (NINDS) and the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), is to support preclinical development and testing of new therapies for neuromuscular diseases. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program supports preclinical optimization and testing of these leads and projects must be sufficiently advanced that an IND or IDE application to the FDA can be submitted by the end of the project period. The program does not support early-stage therapeutic discovery activities such as high throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NIH staff in the development of the project plan and monitoring of research progress.

Amount: varies

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-229.html>

Key Words: **Neuromuscular Diseases, Stroke, Neurological Disease**

Collaborative Neurological Sciences (CNS) Award (S11)

PAR-07-357

National Institute of Neurological Disorders and Stroke (NINDS)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

This funding opportunity announcement (FOA) solicits investigator-initiated research projects proposed by an applicant and collaborating scientist to conduct neuroscience research in a clearly defined area of mutual scientific interest. The project should consist of a thematic research plan that involves an efficacious collaborative effort among the participating investigators, each of whom will be conducting a portion of the total research project in his/her own laboratory. The applicant investigator must be from an eligible institution (see eligible institutions section). Collaborating institutions must document that the appropriate facilities, resources and research efforts will be committed for the investigators to accomplish the goals of the proposed research program.

Amount: \$1,000,000

LOI: 30 days before due date

Deadline: Standard dates apply

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-357.html>

Key Words: **Cooperative Science Programs, Neurology, Neuroscience**

Parkinson's Disease Data Organizing Center [PD-DOC] (U24)

RFA-NS-11-001

National Institute of Neurological Disorders and Stroke (NINDS)

National Institute of Environmental Health Sciences (NIEHS)

This FOA issued by the National Institute of Neurological Disorders and Stroke (NINDS) and the National Institute of Environmental Health Sciences (NIEHS), National Institutes of Health, solicits cooperative agreement grant applications from institutions/organizations that propose to develop a redesigned and enhanced Parkinson's Disease Data Organizing Center. NINDS and NIEHS are committed to facilitating the collection and sharing of data related to clinical and translational research in Parkinson's disease. The goal of this program is a resource that will serve the Parkinson's disease (PD) research community by developing an ongoing repository for data from clinical trials and clinical studies, including epidemiologic and genetic studies, related to PD, and sharing of these data to enhance research. These data may include clinical as well as associated imaging, genetic, and neuropathology data elements. In addition, the Center will link clinical data with associated genetic, biospecimen, imaging, and neuropathology data as available in other databases. The Parkinson's Disease Data Organizing Center also will develop a flexible web-based data entry system using standardized common data elements for PD clinical research studies that can be modified by investigators for a variety of clinical research studies. The center will also maintain an up-to-date listing of resources for researchers in the scientific community. Ongoing outreach efforts should be undertaken to maximize data sharing via this resource in order to optimize research in PD. The information technology employed should serve to optimize the accessibility and usefulness of the information within the data organizing center.

Amount: \$3,400,000

LOI: March 30, 2010

Deadline: April 30, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-NS-11-001.html>

Key Words: **Parkinson Disease, Data Organizing Center**

Advanced Neural Prosthetics Research and Development (U01)

PA-09-063

National Institute of Neurological Disorders and Stroke (NINDS)

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

National Institute of Biomedical Imaging and Bioengineering (NIBIB)

The purpose of this Funding Opportunity Announcement (FOA) is to encourage applications to pursue translational and pilot clinical studies for neural prosthetics. The program will utilize the cooperative agreement mechanism to enable support for milestone-driven projects for the design, development, and demonstration of clinically-useful neural prosthetic devices. Activities supported in this program include implementation of clinical prototype devices, preclinical safety and efficacy testing, design verification and validation activities, pursuit of regulatory approval for clinical study, and proof-of-concept or pilot clinical studies.

Amount: \$5,000,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-063.html>

Key Words: **Neural Prosthetics**

NINDS Diversity Research Education Grants in Neuroscience (R25)

PAR-07-456

National Institute of Neurological Disorders and Stroke (NINDS)

The NINDS Research Education Grant is a flexible and specialized mechanism designed to foster the development of neuroscience researchers through creative and innovative educational programs. Programs are sought that focus on preparing researchers in cross-disciplinary integration of neuroscience, including basic, translational, behavioral, prevention, clinical, and treatment research. Of particular interest are educational experiences that will attract, train, and further the career development of underrepresented biomedical scientists to improve the diversity of the research workforce relevant to the mission of NINDS. The NIH expects efforts to diversify the workforce to lead to the recruitment of the most talented researchers from all groups.

Amount: \$1,250,000

LOI: Nonrequired letters of intent may be sent 30 days prior to the application submission date.

Deadline: standard dates apply

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-456.html>

Key Words: **Minorities and Disadvantaged, Neurological Disorders, Neuroscience, Stroke**

NINDS Exploratory/Developmental Projects in Translational Research (R21)

PAR-08-232

National Institute of Neurological Disorders and Stroke (NINDS)

This Funding Opportunity Announcement (FOA) requests applications for projects intended to complete preliminary steps in the pipeline for the pre-clinical development of therapeutics for neurological disorders. Such projects, if successful, should lead directly to a subsequent project that will include all remaining activities for submission of an Investigational New Drug (IND) or Investigational Device Exemptions (IDE) application to the Food and Drug Administration (FDA). Only Aims required for therapy development can be supported in this program. This program excludes clinical research, basic research and studies of disease mechanism.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-232.html>

Key Words: **Neurological Disorders**

NINDS Cooperative Program in Translational Research – Single-Component Research Projects (U01)

PAR-08-233

National Institute of Neurological Disorders and Stroke (NINDS)

The goal of this funding opportunity announcement (FOA) is to support pre-clinical development and testing of new therapies for neurological disorders. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program supports pre-clinical optimization and testing of these leads and projects must be sufficiently advanced that an IND or IDE application to the FDA can be submitted by the end of the project period. The program does not support early-stage therapeutic discovery activities such as high throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NINDS staff in the development of the project plan and monitoring of research progress

Amount: varies

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-233.html>

Key Words: **Clinical translational, neurology, neurological disorders**

Career Development Award to Promote Diversity in Neuroscience Research (K01)

PAR-09-065

National Institute of Neurological Disorders and Stroke (NINDS)

The purpose of the NIH Mentored Research Scientist Development Award (K01) is to provide support and “protected time” (three, four, or five years) for an intensive, supervised career development experience in the biomedical, behavioral, or clinical sciences leading to research independence. The goal of the NINDS K01 is to diversify the pool of independent neuroscience research investigators. The NINDS recognizes the unique and compelling need to promote diversity in participation in neuroscience research and expects these efforts to diversify the neuroscience research workforce to lead to the recruitment of the most talented researchers from all groups.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-065.html>

Key Words: **Neurology, Neurological Research**

NINDS Cooperative Program in Translational Research - Resource Centers (U24)

PAR-08-236

National Institute of Neurological Disorders and Stroke (NINDS)

The goal of this Funding Opportunity Announcement (FOA) is to implement a program of cooperative agreements that will support milestone-driven, resource-related projects focused on providing products and services that are required for the preclinical testing of new therapeutics, and that are specific to neurology.

Amount:

LOI: N/R

Deadline: standard dates apply (May 25, and September 25. AIDS application submission dates are May 7, September 7, and January 7)

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-236.html>

Key Words: **Neurological Disorders, Neurology, Neuroscience, Clinical translational**

NINDS Institutional Center Core Grants to Support Neuroscience Research (P30)

PAR-08-116

National Institute of Neurological Disorders and Stroke (NINDS)

NINDS Center Core Grants will support centralized resources and facilities shared by investigators with existing NINDS-funded research projects. Each Center will be composed of one or more research cores, each of which will enrich the effectiveness of ongoing research, and promote new research directions. There should be no overlap between the requested core facilities and other pre-existing core facilities. -Mechanism of Support. This Funding Opportunity Announcement (FOA) will use the NIH Center Core Grants (P30) award mechanism.

Amount: \$2,500,000

LOI: 30 days before the standard receipt dates

Deadline: January 25, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-116.html>

Key Words: **Neuroscience**

Ancillary Studies in Clinical Trials of CNS/PNS Disorders – NINDS Accelerated Awards Program (R01)

PAR-09-263

National Institute of Neurological Disorders and Stroke (NINDS)

This FOA is issued by the National Institute of Neurological Disorders and Stroke, National Institutes of Health. The purpose of this initiative is to encourage and facilitate ancillary studies undertaken in conjunction with on-going NINDS-funded clinical trials of neurological disorders.

Amount: varies

LOI: 30 days prior to submission

Deadline: August 16, 2010; December 16, 2010; April 15, 2011; August 16, 2011; December 16, 2011; April 16, 2012; August 16, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-263.html>

Key Words: **Ancillary Studies, Clinical Trials**

Notice of Availability of Administrative Supplements for Roadmap Assay Development for HTS Awards (National Institute for Neurological Disorders & Stroke)

NOT-NS-10-012

National Institute of Neurological Disorders and Stroke (NINDS)

For 2010, administrative supplements will be provided to NINDS-relevant projects funded in the Roadmap Molecular Libraries Assay Development for HTS Program. Investigators successfully submitting new, HTS-ready projects from this Program to the MLPCN, via the "Fast Track direct entry" process described in the RM-08-024 announcement (<http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-08-024.html>), can request a supplement of up to \$50,000 (total cost) from NINDS.

Amount:

LOI:

Deadline: Released March 3, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-NS-10-012.html>

Key Words: **High Throughput Screening, Small Molecule Structures, Public Databases, Molecular Libraries Probe Production Centers Network**

NINDS Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellows in MD-PhD programs (F31)

PAR-10-091

National Institute of Neurological Disorders and Stroke (NINDS)

The purpose of this individual predoctoral research training fellowship is to provide support for promising doctoral candidates who are enrolled in combined MD-PhD programs, who will be performing dissertation research and training in scientific health-related fields relevant to the mission of the National Institute of Neurological Disorders and Stroke.

Amount: limited to 5 years support

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-091.html>

Key Words: **MD/PhD Programs**

NINDS Administrative Supplements for Collaborative Activities to Promote Translational Research (CAPTR)

NOT-NS-10-008

National Institute of Neurological Disorders and Stroke (NINDS)

The National Institute of Neurological Disorders and Stroke (NINDS) announces the availability of one-year administrative supplements for NINDS-funded grantees to stimulate new interdisciplinary collaborations in translational research. The proposed studies must be within the scope of the peer-reviewed activities specified within the NINDS parent award and collaborators may not have a significant history of joint interactions.

Amount: \$50,000

LOI: Before submitting an application for a collaborative administrative supplement, all grantees should communicate with their Program Director(s) to discuss the planned application.

Deadline: April 26, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-NS-10-008.html>

Key Words: **Neurological Disorders**

Exceptional, Unconventional Research Enabling Knowledge Acceleration (EUREKA) In the Epilepsies (R01)

RFA-NS-11-003

National Institute of Neurological Disorders and Stroke (NINDS)

This FOA solicits Research Project Grant (R01) applications from institutions/organizations proposing exceptionally innovative research on novel hypotheses or difficult problems, solutions to which would have an extremely high impact on biomedical or biobehavioral research in the epilepsies.

Amount: \$800,000

LOI: July 13, 2010

Deadline: August 13, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-NS-11-003.html>

Key Words: **Epilepsy**

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**

Mouse Models Containing Human Alleles: Novel Tools to Study Brain Function (R21/R33)

PAR-08-158

National Institute of Mental Health

National Institute on Aging

National Institute on Alcohol Abuse and Alcoholism

National Institute on Drug Abuse

This Funding Opportunity Announcement invites Phased Innovation (R21/R33) grant applications from organizations/institutions that propose the development and characterization of novel mouse models that express human genes or human genetic elements that can aid in understanding the molecular mechanisms underlying brain function and the physiological function/significance of gene variants and gene dosage abnormalities that have been identified as possibly being involved in mental disorders, addiction, neurodegenerative disorders of aging, and alcoholism as well as related comorbid conditions

Amount: \$150,000

LOI: 30 days prior to application receipt date

Deadline: multiple dates (May 28, 2010; January 28, 2011)

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-158.html>

Key Words: **Animal Models**

Development of PET and SPECT Ligands for Brain Imaging (SBIR [R43/R44])

PA-08-137

National Institute of Mental Health
National Institute on Aging
National Institute on Alcohol Abuse and Alcoholism
National Institute on Deafness and Other Communication Disorders

This Funding Opportunity Announcement (FOA) is intended to stimulate the commercial development of novel radioligands for positron emission tomography (PET) and single photon emission computed tomography (SPECT) imaging in human brain, and to incorporate pilot or clinical feasibility evaluation in pre-clinical studies, model development, or clinical studies. The NIH institutes listed in this FOA are specifically interested in the development of radioligands for molecular targets (e.g., receptors, cell adhesion molecules, intracellular messengers, and disease related proteins) that are of broad interest to the scientific community. These radiotracers will be used for neuroimaging as well as potential biological markers and surrogate endpoints for translational and clinical research, drug discovery and development, and clinical trials. Also appropriate for this FOA are applications proposing research and development of new technologies for radiotracer development.

Amount: up to \$300,000 total costs per year and time periods up to two years for Phase I may be requested. Budgets up to \$500,000 total costs per year and up to three years may be requested for Phase II.

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-137.html>

Key Words:

Drug Discovery for Nervous System Disorders (R01) and (R21)

PAR-10-001 and PAR-10-002

National Institute of Mental Health (NIMH)

National Institute on Aging (NIA)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

National Institute on Drug Abuse (NIAD)

National Institute of Neurological Disorders and Stroke (NINDS)

This funding opportunity announcement (FOA) encourages research grant applications from applicant organizations directed toward the discovery and preclinical testing of novel compounds for the prevention and treatment of nervous system disorders.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-001.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-10-002.html>

Key Words: **Neurological Disorders, Therapy, Treatment, Diagnostics**

Pharmacologic Agents and Drugs for Mental Disorders (SBIR [R43/R44])

PA-08-142

National Institute of Mental Health

This funding opportunity announcement (FOA) solicits Small Business Innovation Research (SBIR) grant applications that propose to develop novel pharmacologic agents for brain research related to mental disorders, including research aimed at discovering new drugs for these disorders. In addition, this FOA solicits SBIR grant applications that propose to take existing, promising compounds through the next step of drug discovery and development. Finally, this FOA also encourages SBIR grant applications designed to study the effectiveness of novel interventions.

Amount: up to \$350,000 total costs per year and time periods up to two years for Phase I may be requested. Budgets up to \$600,000 total costs per year and up to three years may be requested for Phase II.

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-142.html>

Key Words:

Michael J. Fox Foundation Launches Second Year of Rapid Response Innovation Awards

MJFF

The program is designed to provide funding for strong ideas being tested for the first time. RRIA allows for the submission of applications at any time of year. There is no pre-proposal stage, and the standard application has been shortened to three pages. Additionally, postdoctoral researchers are permitted to apply as principal investigators under this initiative, provided the head of their lab serves as Administrative PI to assist with the provision of institutional documents and sign the award contract.

Amount: unspecified

LOI: N/R

Deadline: rolling

To learn more: http://www.michaeljfox.org/research_openFundingPrograms_program.cfm?ID=7

Key Words: **Parkinsons Disease**

Critical Challenges in Parkinson's Disease

Michael J Fox Foundation (MJFF)

The foundation has announced that up to \$5.75 million in total funding will be available through three 2010 Critical Challenges: Alpha-synuclein Therapeutics — A total of \$3 million in funding is available for pre-clinical projects to accelerate therapeutic development of the PD-implicated gene alpha-synuclein, which many researchers believe holds potential to lead to a new treatment that could slow or stop the progression of PD.

Pharmacodynamic Biomarkers of LRRK2 Activity — A total of \$2 million in funding is available for efforts to develop drug-activity biomarkers that can improve outcomes from future clinical trials of treatments targeting the PD-implicated gene LRRK2. The foundation will give preference to proposals seeking to verify and validate promising, pre-defined candidate LRRK2-associated biomarkers.

Novel Hypotheses in Parkinson's Disease: Investigating Clinical Data and Human Tissue — A total of \$750,000 is available to provide scientists around the globe with the opportunity to collaborate with the Arizona Parkinson's Disease Consortium. Funded investigators should propose drug development projects that can benefit from access to APDC's exceptional bank of well-characterized biologics, postmortem tissue, and associated clinical data.

Amount: unspecified

LOI: April 28, 2010

Deadline: July 13, 2010

To learn more: http://www.michaeljfox.org/research_fundingOpportunities.cfm

Key Words: **Parkinson's Disease, Histologic Studies, Biological Targets, Molecular Risk Factors, Gene Expression, Disease Progression**

Mayday Fund of New York

Mayday Fund of New York

The Mayday Fund is dedicated to alleviating the incidence, degree, and consequence of human physical pain.

Amount: \$2,000-\$500,000

LOI: N/R

Deadline: Continuous

To learn more: <http://www.maydayfund.org/>

Key Words: **Pain, Pain Alleviation**

Brain Disorders in the Developing World: Research Across the Lifespan (R01)

PAR-08-112 and PAR-08-113

Fogarty International Center (FIC)

National Institute on Aging (NIA)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

National Institute on Drug Abuse (

This Funding Opportunity Announcement (FOA) encourages grant applications proposing the development and conduct of innovative, collaborative research and research training projects, between High Income country (HIC) and low- to middle-income country (LMIC) scientists, on nervous system function and disorders throughout life, relevant to LMICs. The collaborative research programs are expected to contribute to the long-term goals of building sustainable research capacity in LMICs to address nervous system development, function and impairment throughout life and to lead to diagnostics, treatment and prevention strategies that are applicable worldwide. -Mechanism of Support. This FOA will utilize the NIH Research Project Grant (R01) award mechanism and runs in parallel with an FOA of identical scientific scope, PAR-08-113, that encourages applications under the Exploratory/Developmental Grant (R21) award mechanism.

Amount: varies

LOI: April 16, 2010

Deadline: May 14, 2010 (August 23, 2010 for AIDS applications)

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-112.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-08-113.html>

Key Words:

FY10 Neurofibromatosis Research Program (NFRP)

W81XWH-10-NFRP-CTA

W81XWH-10-NFRP-IIRA

W81XWH-10-NFRP-IIFRA

DOD

Congressionally Directed Medical Research Programs (CDMRP)

The vision of the FY10 NFRP is to find and fund the best research to eradicate the clinical impact of NF. Toward this goal, the NFRP seeks to:

- Support innovative, high-impact research that will foster new directions for and address neglected issues in NF research,
- Sponsor multidisciplinary and multi-institutional collaborations that will bring new perspectives to the field,
- Foster the next generation of NF investigators,
- Promote translational and clinical studies to move promising ideas from bench to bedside,
- Develop a balanced portfolio of meritorious research related to all aspects of NF1, NF2, and Schwannomatosis.

Areas of Encouragement: The FY10 NFRP encourages research proposals that specifically address the critical needs of the NF community in the following areas:

- Complications of NF with high mortality such as neoplasms and cerebrovascular abnormalities;
- Complications of NF with high morbidity such as skeletal maladies, learning deficits, hormone-associated effects, and pain;
- Refinement and standardization of imaging techniques, molecular and cellular markers, and quality of life metrics for use in future clinical trials; and
- Translational research such as the development or preclinical testing of therapeutic agents for the treatment of NF.

Amount: up to \$900,000

LOI: April 29, 2010

Deadline: May 20, 2010

To learn more: <http://cdmrp.army.mil/funding/nfrp.htm>

Key Words: **Neurofibromatosis**

Amyotrophic Lateral Sclerosis Research Program (ALSRP)

[Therapeutic Development Award; Therapeutic Idea Award]

W81XWH-10-ALSRP-TDA

W81XWH-10-ALSRP-TIA

DOD

Congressionally Directed Medical Research Programs (CDMRP)

The FY2010 Amyotrophic Lateral Sclerosis Research Program (ALSRP) promotes the introduction of improved therapies for ALS by encouraging ALS investigators to undertake preclinical studies of novel and existing agents.

Amount: varies with award; up to \$1,500,000

LOI: May 14, 2010

Deadline: August 4, 2010

To learn more: <http://cdmrp.army.mil/funding/alsrp.htm>

Key Words: **ALS, Preclinical Model Systems, Pharmacologic Agents**

Fiscal Year 2010 (FY10) Autism Research Program (ARP)

W81XWH-10-ARP-CTA

W81XWH-10-ARP-IDA

W81XWH-10-ARP-RDA

W81XWH-10-ARP-EHDA

DOD

Congressionally Directed Medical Research Programs (CDMRP)

The mission of this program is to promote innovative research that advances the understanding of autism spectrum disorder and leads to improved treatment outcomes. Opportunities are available in the following areas.

Clinical Trial Award

Idea Development Award

Resource Development Award

Exploration-Hypothesis Award

Amount: up to \$1,000,000

LOI: March 31, 2010; June 10, 2010 for Exploration-Hypothesis Award

Deadline: July 28, 2010; July 1, 2010 for Exploration-Hypothesis Award

To learn more: <http://cdmrp.army.mil/funding/arp.htm>

Key Words: **Autism**

Year 2010 Department of Defense Peer Reviewed Medical Research Program

W81XWH-10-PRMRP-CTA

W81XWH-10-PRMRP-IIRA

W81XWH-10-PRMRP-TTDA

Department of Defense (DOD)

Congressionally Directed Medical Research Programs (CDMRP)

All applications for PRMRP funding must specifically and clearly address at least one of the topic areas as directed by Congress, and have direct relevance to the health care needs of the Armed Forces, their family members, and/or the U.S. veteran population. If the proposed research has no relevance to currently advertised PRMRP topic areas, the Government reserves the right to administratively withdraw the application. The Government also reserves the right to reassign the proposal's topic area if submitted under an inappropriate topic area. The FY10 PRMRP topic areas as provided by Congress are listed below.

Chronic Migraine and Post-traumatic Headache

Dystonia

Drug Abuse

Epilepsy

Fragile X Syndrome

Inflammatory Bowel Disease

Interstitial Cystitis

Listeria vaccine for infectious disease

Lupus

Mesothelioma

Neuroblastoma

Osteoporosis and related bone disease

Paget's Disease

Pheochromocytoma

Polycystic Kidney Disease

Post-traumatic Osteoarthritis

Scleroderma

Social Work Research

Tinnitus

Amount: up to \$2,200,000

LOI: April 22, 2010 for Clinical Trial Award, Technology/Therapeutic Development Award

Deadline: May 13, 2010 for Clinical Trials Award, Technology/Therapeutic Development Award

August 5, 2010 for Investigator-Initiated Research Award

To learn more: <http://cdmrp.army.mil/funding/prmrp.htm>

Key Words: **Clinical Trials, Concept, Investigator-Initiated, Therapy**

Histology for Interface Stability over Time (HIST)

DARPA-BAA-10-32

Defense Advanced Research Projects Agency (DARPA)Microsystems Technology Office (MTO)

DARPA seeks to understand the failure mechanisms for in-vivo neural recording interfaces. This will involve thorough tissue assessment using current and potential materials and designs. Ultimately, DARPA desires to develop predictive models of failure, robust indicators of interface reliability, repeatable insertion methodologies, and high-throughput biological test techniques.

Amount: unspecified

LOI: April 6, 2010

Deadline: June 4, 2010

To learn more: <http://www.grants.gov/search/search.do;jsessionid=N3fBLX2Jr391nc2bWdvGhLfCjBc2G2nSvKpJ1JJprcjTTImwyQlq!-1428305969?mode=VIEWREVISIONS&revNum=0>

Key Words: **Neural Recording, Failure, Signal Degradation**

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**

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:

Advances in Bioscience for Airmen Performance

BAA-09-02-RH

Air Force Research Laboratory, Human Effectiveness Directorate, Biosciences and Performance Division (AFRL/RHP)

The 711th Human Performance Wing, Human Effectiveness Directorate is soliciting white papers under this announcement for innovative science and technology projects to support advanced bioscience research. Specifically, the Biosciences and Performance Division is seeking unique and innovative research concepts that address its technical mission areas. Research is sought primarily in the following four technical areas: 1) Applied Biotechnology, 2) Biobehavioral Performance, 3) Biomechanics, and 4) Counter proliferation.

1) Applied Biotechnology - Goal is to develop and exploit advances in biotechnology and associated nanotechnologies to enhance performance and situational awareness of the force.

2) Biobehavioral Performance – Goal is to develop bio-based methods and techniques to sustain and optimize airmen's cognitive performance.

3) Vulnerability Analysis – Goal is to rapidly identify human threat conditions, and sustain/expand Airmen performance in stressful environments. It includes research in physical and physiological biosignatures, neuroscience, anthropometry, biomechanics, human modeling, database networking, and data mining.

4) Counter proliferation – Goal is to improve the Air Force's ability to locate, identify, track, target, and destroy biological warfare agents (BWA) and other weapons of mass destruction (WMD), as well as anticipate and mitigate WMD effects on AF operations.

Amount: Cost Plus

LOI: White Papers accepted until September 30, 2014

Deadline:

To learn more:

https://www.fbo.gov/index?s=opportunity&mode=form&id=411797fcc2260cb5d9ed346b3c139a4b&tab=core&_cvview=1&cck=1&au=&ck

Key Words: **Gene Expression Balance, Protein Expression Patterns, Phenotypic Patterns, Biomarker Signatures, Cognitive Performance**

Nursing; Practice & Outcomes Research

Rural Health and Safety Education Competitive Grants Program

New

USDA-NIFA-RHSE-003076

U.S. Department of Agriculture (USDA)

National Institute of Food and Agriculture (NIFA)

For FY 2010, the Rural Health and Safety Education Programs will focus on issues related to individual and family health education in one or more of the following areas: 1) healthy living behaviors, family interaction and environmental attributes in rural areas; 2) health literacy and its impact on health status in rural and farm families; and/or 3) related issues of health promotion and health care to rural individuals and families with: • Information as to the value of good health at any age; • Information to increase individual or family's motivation to take more responsibility for their own health; • Information about and access to health promotion and educational activities; and • Training for volunteers and health services providers concerning promotion of nutrition, physical activity, and health for individuals and families in cooperation with local and community partners.

Amount: \$350,000

LOI: N/R

Deadline: June 1, 2010

To learn more: http://www.nifa.usda.gov/funding/rfas/rural_health.html

Key Words: **Rural Health, Health Literacy, Farming, Health Promotion**

2010-11 Scholars Program in Youth Settings Research

William T. Grant Foundation

An initiative of the William T. Grant Foundation, the William T. Grant Scholars Program is accepting applications from promising early-career researchers who want to tackle questions important to theory and either policy or practice for improving youth settings.

The program is designed to support promising early-career researchers from diverse disciplines who have demonstrated success in conducting high-quality research and are seeking to further develop and broaden their expertise. The foundation is interested in applicants trained across a range of social, behavioral, and health sciences. Applicants must submit a project that is consistent with the foundation's current research interests: addressing issues that have compelling relevance for theory and policies or practices affecting the settings of youth between the ages of 8 and 25 in the United States or a vulnerable sub-population of those youth.

Amount: \$350,000

LOI: N/R

Deadline: July 7, 2010

To learn more: http://www.wtgrantfoundation.org/funding_opportunities/fellowships/william_t_grant_scholars

Key Words: **Settings, Youth Development, Youth Policy, Identity Development**

The William T. Grant Scholars Program

William T. Grant Foundation

The William T. Grant Scholars Program supports promising early-career researchers from diverse disciplines, who have demonstrated success in conducting high-quality research and are seeking to further develop and broaden their expertise.

Candidates are nominated by a supporting institution and must submit five-year research plans that demonstrate creativity, intellectual rigor, and a commitment to continued professional development.

Amount: \$350,000

LOI: N/R

Deadline: July 7, 2010

To learn more: <http://www.wtgrantfoundation.org/File%20Library/Funding%20Opportunities/FAQs%20for%20Scholars.doc>

Key Words: **After School Program Evaluations, Youth Development, Policy and Practice that Affect Youth**

Science of Behavior Change: Finding Mechanisms of Change in the Laboratory and the Field (R01)

RFA-RM-10-002

National Institutes of Health (NIH)

Multiple Institutes

This FOA solicits Research Project Grant (R01) applications that will improve understanding of the basic mechanisms of behavior change by bridging work in the laboratory and the field. This understanding will advance several goals, including: the identification of the optimal targets and timepoints in the lifecourse for intervention; the identification of common mechanisms of change related to either multiple or bundled health behaviors; the ability to tailor interventions to particular at-risk individuals or groups; the application of novel technologies for behavioral assessment and change; and the identification of individuals or groups most likely to benefit from specific interventions. This initiative seeks to establish the groundwork for a unified science of behavior change, capitalizing on emerging basic science to accelerate investigation of common mechanisms that play a role in initiating or maintaining behavior change and are applicable across a broad range of health-related behaviors. Approaches from behavioral economics; the social, behavioral, cognitive and affective neurosciences; neuroeconomics; behavior genetics and genomics; and systems science are specifically encouraged. By focusing basic research on the mechanisms of behavior change, and by integrating work across laboratory and field contexts, this initiative should transform the efficacy, effectiveness, and cost efficiency of behavior change interventions.

Amount: \$2,000,000

LOI: March 29, 2010

Deadline: April 26, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-10-002.html>

Key Words: **Behavioral Interventions**

Ruth L. Kirschstein National Research Service Awards (NRSA) for Individual Postdoctoral Fellows (Parent F32) Individual Senior Fellows (Parent F33)

PA-10-110 and PA-10-111

National Institutes of Health (NIH)

Multiple Institutes

The purpose of this individual postdoctoral research training fellowship is to provide support to promising Fellowship Applicants with the potential to become productive, independent investigators in scientific health-related research fields relevant to the missions of participating NIH Institutes and Centers.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-110.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-111.html>

Key Words: **Cancer, Eye Diseases, Heart, Lung, Blood, Genome Research, Aging, Substance Abuse, Allergy, Infectious Disease, Arthritis, Musculoskeletal Diseases, Skin Diseases, Bioimaging, Bioengineering, Child Health, Communication Disorders, Dental and Craniofacial Research, Diabetes, Digestive and Kidney Diseases, Environmental Health, General Medicine, Neurological Disorders, Stroke, Nursing, CAM**

Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellowships to Promote Diversity in Health-Related Research (Parent F31 - Diversity)

PA-10-109

National Institutes of Health (NIH)

Multiple Institutes

The purpose of this individual predoctoral research training fellowship is to improve the diversity of the health-related research workforce by supporting the training of predoctoral students from groups that have been shown to be underrepresented. Such candidates include individuals from underrepresented racial and ethnic groups, individuals with disabilities, and individuals from disadvantaged backgrounds.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-109.html>

Key Words: **Cancer, Eye Diseases, Heart, Lung, Blood, Genome Research, Aging, Substance Abuse, Allergy, Infectious Disease, Arthritis, Musculoskeletal Diseases, Skin Diseases, Bioimaging, Bioengineering, Child Health, Communication Disorders, Dental and Craniofacial Research, Diabetes, Digestive and Kidney Diseases, Environmental Health, General Medicine, Neurological Disorders, Stroke, Nursing, CAM**

Scientific Meetings for Creating Interdisciplinary Research Teams (R13)

PA-10-106

National Institutes of Health (NIH)

Multiple Institutes

This FOA solicits Research Project Grant (R01) applications that will improve understanding of the basic mechanisms of behavior change by bridging work in the laboratory and the field. This understanding will advance several goals, including: the identification of the optimal targets and timepoints in the lifecourse for intervention; the identification of common mechanisms of change related to either multiple or bundled health behaviors; the ability to tailor interventions to particular at-risk individuals or groups; the application of novel technologies for behavioral assessment and change; and the identification of individuals or groups most likely to benefit from specific interventions. This initiative seeks to establish the groundwork for a unified science of behavior change, capitalizing on emerging basic science to accelerate investigation of common mechanisms that play a role in initiating or maintaining behavior change and are applicable across a broad range of health-related behaviors. Approaches from behavioral economics; the social, behavioral, cognitive and affective neurosciences; neuroeconomics; behavior genetics and genomics; and systems science are specifically encouraged. By focusing basic research on the mechanisms of behavior change, and by integrating work across laboratory and field contexts, this initiative should transform the efficacy, effectiveness, and cost efficiency of behavior change interventions.

Amount: \$2,000,000

LOI: March 29, 2010

Deadline: April 26, 2010

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-106.html>

Key Words: **Behavioral Interventions**

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) - PA-06-468/PA-08-226

PA-06-468/PA-08-226

National Institutes of Health (NIH)

The objective of the National Research Service Award (NRSA) program is to provide predoctoral and postdoctoral research training opportunities for individuals interested in pursuing research careers in biomedical, behavioral and clinical research. Each NIH Institute and Center has a unique scientific purview and different program goals and initiatives that evolve over time. It is therefore critical that all applicants consult with the scientific/research contact at the relevant NIH Institute or Center for current information about program priorities and policies before preparing an application. This action is of utmost importance because applications with marginal or no relevance to the NIH awarding components participating in this funding opportunity announcement will not be accepted for review or considered for funding.

Amount: varies

LOI: N/R

Deadline: Jan 25 annually; May 25 annually

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-226.html>

Key Words: **Alcohol or Alcoholism, Allergy, Alternative Medicine, Arthritis, Biomedical Research (Multidisciplinary), Blood Diseases, Cancer or Carcinogenesis, Cardiovascular Diseases, Deafness, Diabetes, Digestive Diseases and Disorders, Drug Abuse Prevention, Environmental Health, Eye Diseases, Genomics, Geriatrics, Infectious Diseases or Agents, Internal Medicine, Mental Health, Musculoskeletal Diseases, Neurological Disorders, Nursing Education, Nutrition or Dietetics, Pediatrics, Pulmonary Diseases, Respiratory Diseases, Substance Abuse**

Contextual Approaches to Prevention of Unintended Pregnancy

[(R01) PA-09-014] and [(R21) PA-09-015]

PA-09-014 and PA-09-015

National Institutes of Health

The purpose of this Funding Opportunity Announcement (FOA) is to strengthen and revitalize scientific research on the prevention of unintended pregnancies in the United States. The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) invites R01 research grant applications that will inform interventions addressing the cultural and structural factors that produce high rates of unintended pregnancy across the reproductive age span, especially in low-income populations in the United States. These interventions can operate at a wide range of levels, from clinical interventions to interventions that influence cultural, economic, social, structural, and/or policy factors contributing to unintended pregnancy. -Mechanism of Support. This FOA will utilize the R01 grant award mechanism and runs in parallel with a FOA of identical scientific scope, PA-09-015, that solicits applications under the NIH Exploratory/Developmental (R21) grant award mechanism.

Amount: varies

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-014.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-015.html>

Key Words: **Pregnancy, Pregnancy Prevention, Unintended Pregnancy**

Technology-Based Adherence Interventions for Substance Abusing Populations with HIV (R01) and (R34)

PAS-10-097 and PAS-10-098

National Institute on Drug Abuse (NIDA)

Through this FOA, the National Institute on Drug Abuse (NIDA) seeks to stimulate and support research on the determination of efficacy and potency of interventions that utilize technological tools (e.g., mobile enabling technologies, Ecological Momentary Assessment (EMA), enhanced Medication Event Monitoring System, computer software, portable digital devices, cell phone and/or Digital Assistant Device among others) to foster adherence to Human Immunodeficiency Virus (HIV) treatment regimens among substance abusing populations in naturally occurring timeframes and contexts. Multidisciplinary collaboration between social scientists, medical (physician/nurse) researchers and technology experts to develop and refine mobile technological instrumentation, e-health technology and software as interventions (or as part of interventions) that foster adherence to HIV treatment regimens and access to care in real time is encouraged.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAS-10-097.html> and <http://grants.nih.gov/grants/guide/pa-files/PAS-10-098.html>

Key Words: **Treatment Regimens, HIV/AIDS**

Critical Illness and Injury in Aging (R03), (R01) and (R21)

PA-10-043 and PA-10-042 and PA-10-044

National Institute on Aging (NIA)

National Heart, Lung, and Blood Institute (NHLBI)

National Institute on Nursing Research (NINR)

This FOA encourages Small Research Project Grant (R03) applications proposing to study mechanisms and management of critical illness and injury in aging. Studies may be mechanistic, observational, or interventional in nature. Secondary analyses of existing datasets, such as from large observational studies or clinical trials, may be proposed. Animal studies are appropriate in cases where human studies are not feasible.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-043.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-042.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-044.html>

Key Words: **Injury, Aging**

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**

Clinical Trial Planning Grants for Critical Illness and Injury in Aging (R34)

PA-10-045

National Institute on Aging (NIA)

This FOA issued by the National Institute on Aging encourages Clinical Trial Planning Grant (R34) applications to develop research protocols for Phase III and IV clinical trials related to critical illness and injury in aging. The planning grant mechanism is intended to permit early peer review of the rationale and design of the proposed Phase III or IV clinical trial, and to support development of a research team, tools for data management and research oversight, recruitment strategies, detailed protocol and Manual of Procedures (MOP), and other essential components necessary for a competitive clinical trial application. This FOA is NOT designed for collecting preliminary data or conducting pilot studies in support of the scientific rationale for a clinical trial.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-045.html>

Key Words: **Injury, Aging**

Epigenetic Factors Associated with Symptoms and Complications of Chronic Disorders (Competitive Revision R01) and (R01)

RFA-NR-10-005 and RFA-NR-10-004

National Institute of Nursing Research (NINR),

The National Institute of Nursing Research (NINR) invites applications to stimulate research that addresses underlying epigenetic factors in symptom expression and complications resulting from chronic disorders. It is anticipated that the findings from this research will help 1) identify individuals at the highest risk for developing severe symptoms and complications secondary to chronic disorders, 2) maximize symptom management, and 3) reduce, prevent, or reverse the occurrence of complications.

Amount: varies

LOI: April 17, 2010

Deadline: May 17, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-NR-10-005.html> and <http://grants.nih.gov/grants/guide/rfa-files/RFA-NR-10-004.html>

Key Words: **Chronic Disorders, Epigenetics, Symptom Management, Environmental Triggers, Epigenetic Predictors**

Mechanisms, Models, Measurement, & Management in Pain Research (R01), (R03) and (R21)

PA-10-006 and PA-10-008 and PA-10-007

National Institute of Nursing Research (NINR)

National Cancer Institute (NCI)

National Center for Complementary and Alternative Medicine (NCCAM)

National Institute on Aging (NIA)

National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)

The purpose of this Funding Opportunity Announcement (FOA), "Mechanisms, Models, Measurement, & Management in Pain Research" issued by the National Institute of Nursing Research (NINR), in conjunction with members of the NIH Pain Consortium as listed above, is to inform the scientific community of the pain research interests of the various Institutes and Centers (ICs) at the

National Institutes of Health (NIH) and to stimulate and foster a wide range of basic, clinical, and translational studies on pain as they relate to the missions of these ICs. New advances are needed in every area of pain research, from the micro perspective of molecular sciences to the macro perspective of behavioral and social sciences. Although great strides have been made in some areas, such as the identification of neural pathways of pain, the experience of pain and the challenge of treatment have remained uniquely individual and unsolved. Furthermore, our understanding of how and why individuals transition to a chronic pain state after an acute insult is limited. Research to address these issues conducted by interdisciplinary and multidisciplinary research teams is strongly encouraged, as is research from underrepresented, minority, disabled, or women investigators.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-006.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-007.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-008.html>

Key Words: **Nursing, Pain Management, Clinical and Translational**

Research on Clinical Decision Making in People with or at Risk for Life-Threatening Illness (R01) and (R21)

PA-09-122 and PA-09-121

National Institute of Nursing Research (NINR)

National Cancer Institute (NCI)

This funding opportunity announcement (FOA) issued by the National Institute of Nursing Research (NINR) and the National Cancer Institute (NCI), National Institutes of Health, seeks to stimulate research on the decision-making processes made by persons at risk for and those faced with life-threatening illness. These illnesses are ones that almost always lead to death in a fairly short period of time if left untreated, but may be chronic or even cured if dealt with early in the disease process. An example of a life-threatening illness that may be chronic for some years would be HIV infection when treated. An example of a life-threatening illness that may be cured in its early stages would be breast cancer. Decision-making can occur from the point of adopting preventive behaviors through the end of life. Examples of such decisions could include participating in an HIV vaccine clinical trial, testing for genetic disorder, choosing a treatment intervention vs. watchful waiting (as in early stage prostate cancer), choosing a treatment intervention among several options, joining a therapeutic clinical trial, or making end-of-life care decisions.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-122.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-121.html>

Key Words: **Nursing Research, Cancer Control, Life-Threatening Decision Making Caregivers, Palliative Care**

NINR Career Transition Award (K22)

PAR-09-067

National Institute of Nursing Research (NINR)

The purpose of the NINR Career Transition Award (K22) program is to provide up to 5 years of support consisting of two phases. The initial phase will provide up to 2 years of mentored intramural experience for highly promising, postdoctoral research scientists in an NIH intramural program. This phase will be followed by up to 3 years of extramural support contingent on securing an independent tenure-track or equivalent research position. The NINR Career Transition award is limited to postdoctoral trainees who propose research relevant to the mission of the National Institute of Nursing Research (NINR)

Amount: \$100,000

LOI: 30 days before due date

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-067.html>

Key Words: **Nursing Research**

NINR Mentored Research Scientist Development Award for Underrepresented or Disadvantaged Investigators (K01)

PAR-09-074

National Institute of Nursing Research (NINR)

The purpose of the NINR Mentored Research Scientist Development Award for Underrepresented or Disadvantaged Investigators (K01) is to provide support and "protected time" (three, four, or five years) for an intensive, supervised career development experience in the biomedical, behavioral, or clinical sciences leading to research independence.

Mechanism of Support: This Funding Opportunity Announcement (FOA) will utilize the NIH Mentored Research Scientist Development Award (K01) mechanism.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-074.html>

Key Words: **Nursing Research**

Chronic Co-Morbid Conditions in HIV+ U.S. Adults on Highly-Effective Anti-Retroviral Therapy (R01) and (R21)

RFA-NR-10-001 and RFA-NR-10-002

National Institute of Nursing Research (NINR)

This FOA issued by National Institute of Nursing Research, National Institutes of Health, solicits Research Project Grant (R01) applications from institutions/organizations proposing mechanistic projects or interventions designed to understand or intervene in chronic co-morbid conditions common to HIV+ adults living in the U.S. who are treated with anti-retroviral therapy. These conditions may be a result of anti-retroviral therapy or the HIV disease process. These same kinds of conditions may also be common in older non-infected adults, but more information is needed on the natural history, including both biological and behavioral manifestations, and appropriate intervention when HIV+ adults are affected by conditions, such as cachexia, diabetes, kidney disease, neurological changes, cardiovascular disease or cancer. Since the advent of the protease inhibitors in 1996-1997, anti-retroviral treatment options have been evolving, including the customized combination ART. It is important to evaluate this progress and identify new opportunities for research associated with the use of anti-retroviral therapies and the association of co-morbidities of HIV+ individuals as they live through middle and old age. Research exploring these issues utilizing interdisciplinary and multidisciplinary research teams is strongly encouraged, as are research teams including underrepresented, minority, disabled, or women investigators.

Amount: \$2,500,000

LOI: April 5, 2010

Deadline: May 5, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-NR-10-001.html> and <http://grants.nih.gov/grants/guide/rfa-files/RFA-NR-10-002.html>

Key Words: **Retroviral Therapy, HIV/AIDS**

Advancing Palliative Care Research for Children Facing Life-Limiting Conditions (R01) and (R21)

RFA-NR-10-006 and RFA-NR-10-007

National Institute of Nursing Research (NINR)

This FOA issued by the National Institute of Nursing Research solicits Research Project Grant applications using the R01 mechanism from institutions / organizations that propose to conduct biobehavioral research in palliative and end-of-life care for children, infants, and neonates. Designs and Methods aimed at the reduction of suffering and the improvement of quality of life for children facing life-limiting conditions and their parents, including the sequela of accidents are encouraged. Applications to help children cope with the loss or potential loss of a parent or significant other are also welcomed. Scientists are encouraged to develop cross-disciplinary teams to test interventions which may be quickly translated into pediatric palliative care practice.

Amount: \$2,500,000

LOI: April 17, 2010

Deadline: May 17, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-NR-10-006.html>

Key Words: **Children, Palliative Care**

Ruth L. Kirschstein National Research Service Award (NRSA) for Individual Predoctoral Fellows in Nursing Research (F31)

PAR-09-227

National Institute of Nursing Research

This FOA issued by the National Institute of Nursing Research (NINR/NIH), National Institutes of Health, encourages Individual Predoctoral Fellowship (F31) applications from institutions/organizations that propose to increase the number of nurses prepared with a doctoral degree in order to meet the demands for adequately trained behavioral, biological, and biobehavioral scientists. NINR is particularly interested in facilitating the progress of students who are in research training programs for recent nursing graduates and students in BSN to PhD programs. This fellowship program will provide predoctoral training support for doctoral students. The applicant must propose a research training program and dissertation research that is consistent with the scientific mission of the NINR. Research topics and skills that will serve as a foundation for an ongoing program of research are of particular interest. The research training experience must enhance the applicant's conceptualization of research problems and research skills, under the guidance and supervision of a committed mentor who is an active and established investigator in the area of the applicant's proposed research. The research training program should be carried out in a research environment that includes appropriate human and technical resources and is demonstrably committed to the research training of the applicant in the program he/she proposes in the application.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-227.html>

Key Words: **Nursing Fellowships**

NINR Career Transition Award (K22)

PAR-08-148

National Institute of Nursing Research

The NINR Career Transition K22 Award will provide up to 5 years of support consisting of two phases. The initial phase will provide up to 2 years of mentored intramural experience for highly promising, postdoctoral research scientists in an NIH intramural program. This phase will be followed by up to 3 years of extramural support contingent on securing an independent tenure-track or equivalent research position. The NINR Career Transition award is limited to postdoctoral trainees who propose research relevant to the mission of the National Institute of Nursing Research (NINR) [<http://www.ninr.nih.gov/>].

Amount: up to \$50,000 per year, for up to two years

LOI: 30 days before due date

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-148.html>

Key Words:

Health Disparities in NIDDK Diseases (R01)

PA-09-262

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

National Institute of Nursing Research (NINR)

The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the National Institute of Nursing Research (NINR) of the National Institutes of Health (NIH) seek research to understand and mitigate issues of health disparities in high priority diseases within their scope, including diabetes, obesity, nutrition-related disorders, hepatitis C, gallbladder disease, H. Pylori infection, sickle cell disease, kidney diseases, urologic diseases, hematologic diseases, metabolic, gastrointestinal, hepatic, and renal complications from infection with HIV. NINR promotes and improves the health of individuals, families, communities, and populations, supports and conducts clinical and basic research and research training on health and illness across the lifespan.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-262.html>

Key Words: **Diabetes, Health Disparities, Nursing, Clinical and Basic Research**

Development and Validation of Disease Biomarkers (R01)

PA-09-204

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) (<http://www2.niddk.nih.gov>)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

National Institute of Nursing Research (NINR)

Office of Dietary Supplements (ODS)

This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), the National Institute of Nursing Research (NINR), and the Office of Dietary Supplements (ODS) of the National Institutes of Health, will provide resources to validate candidate biomarkers for well-defined human diseases of the liver, kidney, urological tract, and digestive and hematologic systems, as well as endocrine and metabolic disorders, diabetes and its complications, and obesity, for which there are no or very few biomarkers, or for which standard biomarkers are currently prohibitively invasive or expensive. A biomarker is an indicator of a disease process, and could replace hard clinical end points as a measure of the effect of new therapies. Appropriate studies will validate candidate biomarkers in well-defined patient populations, provide new technologies to monitor biomarkers or establish reliable assays for validated markers. Progress in this area has the potential to advance translational research related to efficacy of treatments and bio-behavioral interventions. This FOA is not appropriate for biomarker discovery projects.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-204.html>

Key Words: **Biomarkers, Translational Research, Therapies**

Collaborative Research on the Transition From Acute to Chronic Pain: New Models and Measures in Clinical and Preclinical Pain Research (R01)

RFA-DE-11-001

National Institute of Dental and Craniofacial Research (NIDCR)

The overall goal of this FOA is to stimulate preclinical and clinical research that will accelerate our understanding of the biological and behavioral determinants driving the transition from acute pain to chronic pain disorders. An understanding of the mechanisms and risk factors that determine who will transition to a chronic pain state is necessary in order to intervene in this transition and to design new, effective treatments to resolve acute pain before it becomes chronic. The objectives of this FOA are to: 1) assemble research teams

with expertise in basic and clinical pain research and related expertise outside the pain field that will provide novel, collaborative, multidisciplinary approaches to answer crucial questions about the transition from acute to chronic pain; 2) discover biological and behavioral mechanisms that drive the transition from an acute pain state to a chronic dysfunctional pain condition; 3) develop new clinical and preclinical models and measures of pain that will be essential to identify and characterize these mechanisms. Studies that involve considerable risk but with the potential for breakthroughs in the field are strongly encouraged.

Amount: varies

LOI: May 21, 2010

Deadline: June 22, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-11-001.html>

Key Words: **Pain, Management and Evaluation**

Centers of Excellence for Research on CAM (CERC) for Pain (P01)

RFA-AT-10-002

National Center for Complementary and Alternative Medicine, (NCCAM/NIH)

The purpose of this Funding Opportunity Announcement (FOA) is to support and enhance research on the application and use of promising complementary/alternative/integrative medicine (CAM/IM) modalities or approaches in the setting of chronic pain. Specifically, this FOA encourages applications for Centers comprised of three or four synergistic, R01-comparable projects by multidisciplinary research teams focused on the basic, mechanistic, and/or translational research questions that must be addressed in order to better understand the optimal application and use of CAM/IM interventions for treating or ameliorating chronic pain.

Amount: \$6,250,000

LOI: July 13, 2010

Deadline: August 13, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AT-10-002.html>

Key Words: **Pain Management**

Small Grants for Behavioral Research in Cancer Control (R03)

PA-09-003

National Cancer Institute (NCI)

National Institute of Nursing Research (NINR)

This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI) and the National Institute of Nursing Research (NINR), at the National Institutes of Health (NIH), is intended to provide support for either new investigators in cancer-related behavioral research, or investigators who want to refocus their research interests toward behavioral research in cancer control. The program is designed to facilitate the growth of a nationwide cohort of scientists with research experience in behavioral cancer control and design of public health interventions. Preliminary data for the proposed projects are not required. Overarching goals are to: (1) encourage new investigators to enter the field of behavioral research in cancer control and initiate their long-term career development aimed at becoming independent investigators in the field, and (2) support research on transfer of behavioral science knowledge into cancer control practice.

Amount: \$100,000

LOI: N/R

Deadline: August 20, 2010; December 20, 2010; April 20, 2011; August 22, 2011; December 20, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-003.html>

Key Words: **Cancer, Cancer Prevention, Cancer Control**

Mayday Fund of New York

Mayday Fund of New York

The Mayday Fund is dedicated to alleviating the incidence, degree, and consequence of human physical pain.

Amount: \$2,000-\$500,000

LOI: N/R

Deadline: Continuous

To learn more: <http://www.maydayfund.org/>

Key Words: **Pain, Pain Alleviation**

The Clagett Family Research Grant

Foundation for Physical Therapy

The Clagett Family Research Grant is intended to fund research on interventions that use exercise to improve mobility and participation in older adults with multiple chronic conditions. The foundation encourages collaborative and multidisciplinary teams to apply for a grant.

Amount: \$300,000

LOI: March 1, 2010

Deadline: May 5, 2010

To learn more:

http://www.apta.org/AM/Template.cfm?Section=Awards_and_Scholarships&TEMPLATE=/CM/ContentDisplay.cfm&CONTENTID=67897

Key Words: **Exercise, Mobility, Physical Therapy, Aging**

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:

Remote Patient Monitoring Diffusion Grants Program

Center for Technology and Aging

The center has announced the release of application guidelines for the Remote Patient Monitoring Diffusion Grants Program and is soliciting Letters of Intent from organizations interested in expanding the use of remote patient monitoring technologies to improve the health and safety of older adults.

The grant program will encourage use of technologies that 1) are used in the home and sub-acute care settings; 2) foster independent living and the ability to live in the setting of the patient's choice; 3) will lead to improvements in the cost and quality of care; and 4) help reduce the burden on formal and informal caregivers.

Amount: \$100,000

LOI: March 12, 2010

Deadline: April 30, 2010

To learn more: <http://www.techandaging.org/>

Key Words: **Remote Patient Monitoring, Independent Living, Aging**

Partnerships in Implementing Patient Safety II (R18)

PAR-10-022

Agency for Healthcare Research and Quality (AHRQ),
Center for Quality Improvement and Patient Safety (CQUIPS)

The purpose of this Funding Opportunity (FOA) is to support Research Demonstration and Dissemination (R18) grant applications from organizations that will implement safe practice interventions that demonstrate evidence of reducing or eliminating medical errors, risks, hazards, and harms associated with the process of health care. These 24 month implementation projects will inform AHRQ, providers, patients, payers, policy makers, and the public about how safe practice interventions can be successfully implemented in diverse health care settings and lead to safer and better health care for all Americans.

Amount: \$600,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-022.html>

Key Words: **Health Care Quality**

Improving Patient Safety through Simulation Research (R18)

RFA-HS-10-018

Agency for Healthcare Research and Quality (AHRQ)
Center for Outcomes and Evidence (COE)

The Agency for Healthcare Research and Quality (AHRQ) is interested in funding a diverse set of projects that develop, test and evaluate various simulation approaches for the purpose of improving the safe delivery of health care. Simulation in health care predominately is a training technique that exposes individuals and teams to realistic clinical challenges through the use of mannequins, task trainers, virtual reality, or standardized patients, and allows participants to experience in real-time the consequences of their decisions and actions. The principal advantage of simulation is that it provides a safe environment for health care practitioners to acquire valuable experience without putting patients at risk. Simulation also can be used as a test-bed to improve clinical processes and to identify failure modes or other areas of concern in new procedures and technologies that might otherwise be unanticipated and serve as threats to patient safety. Applications that address a variety of clinical settings are sought.

Amount: \$1,050,000

LOI: N/R

Deadline: June 21, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HS-10-018.html>

Key Words: **Health Care Training, Simulators**

AHRQ Small Research Grant Program (R03)

PAR-06-448

Agency for Healthcare Research and Quality (AHRQ)

This funding opportunity announcement (FOA) issued by AHRQ supports Small Research Grant (R03) applications. The R03 grant mechanism supports different types of health services research projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and, development of new research technology.

Amount: \$100,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-06-448.html>

Key Words: **Health Care Services, Health Care Information, Health Care Practice & Policy, Patient Safety, Patient-Centered Care, Payment & Organization**

Change in Application Receipt Date for AHRQ Funding Opportunity Announcement (FOA) RFA-HS-10-018

NOT-HS-10-015

Agency for Healthcare Research and Quality (AHRQ)

This Notice is to inform the scientific community that AHRQ is extending the application due date for AHRQ Funding Opportunity Announcements (FOA), RFA-HS-10-018, Improving Patient Safety through Simulation Research (R18), (see <http://grants.nih.gov/grants/guide/rfa-files/RFA-HS-10-018.html>). The NEW application due date for this FOA is June 21, 2010 and expiration of the FOA will be on June 22, 2010. Thus, NEW Key and Submission, Review, and Anticipated Start Dates are:

Key Dates and Submission, Review, and Anticipated Start Dates

Release/Posted Date: January 21, 2010

NOTE: On-time submission requires that applications be successfully submitted to Grants.gov no later than 5:00 p.m. local time (of the applicant institution/organization).

Application Due Date(s): June 21, 2010

Peer Review Date(s): Generally four months after receipt date

Earliest Anticipated Start Date(s): Generally four months after peer review date

Expiration Date: June 22, 2010

Amount:

LOI:

Deadline: Release Date: March 16, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-HS-10-015.html>

Key Words: **Simulation Research, Education**

Researching Implementation and Change while Improving Quality (R18)

PAR-08-136

Agency for Healthcare Research and Quality

The Agency for Healthcare Research and Quality (AHRQ) announces the Agency's interest in supporting grants to rigorously study the implementation of quality improvement strategies and provide generalizable scientific findings about the implementation of the quality improvement strategy, related organizational changes, and their impact. There is increasing evidence that success in achieving quality improvement goals is at least partially attributable to implementation processes and contexts and not just to the nature of the quality improvement strategy. The research funded through this announcement may be conducted by the team designing/implementing the quality improvement strategy or it may be conducted by a separate team. The quality improvement strategy must be one that is expected to result in major improvements in health care delivery that will enhance patient outcomes. Research design and execution will yield results providing AHRQ, providers, patients, payers, policymakers, and the public with contextual details and high level of confidence about what works and what doesn't in improving health care in the United States.

Amount: varies but will not exceed \$300,000 annually

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-136.html>

Key Words:

Aetna Foundation

For 2010, the foundation will focus its grant making on issues that improve health and the healthcare system in three areas: obesity (addressing the rising rate of obesity among U.S. adults and children); racial and ethnic healthcare equity (promoting equity in health and health care for common chronic conditions and infant mortality); and integrated health care (advancing high-quality health care by improving care coordination and communications among healthcare professionals, creating informed and involved patients, and promoting cost-effective, affordable care). Grant applications that address more than one of these areas will receive priority consideration.

Within the three program areas, the foundation will award the following types of grants: research grants to generate new knowledge, making use of either quantitative or qualitative techniques; project grants to test, apply, or disseminate new practices designed to improve health and health care; and policy grants to analyze and promote policies to ensure that programs and practices to improve health and health care can be replicated and disseminated broadly. In addition, the foundation will consider applications for sponsorship of fundraising events such as galas and walks, outreach activities (e.g., health fairs), and other community-based health and wellness initiatives aligned with the foundation's funding priorities.

Amount: up to \$250,000

LOI: Required for grant requests over \$50,000

Deadline: Quarterly

To learn more: <http://www.aetna.com/about-aetna-insurance/aetna-foundation/aetna-grants/grants-for-2010-and-beyond.html>

Key Words: **Obesity, Racial and Ethnic Health Care Equity, Integrated Health Care**

Nutrition

FY 2010 AFRI Childhood Obesity Prevention

New

USDA-NIFA-AFRI-003037

U.S. Department of Agriculture (USDA)

National Institute of Food and Agriculture (NIFA)

This RFA focuses on the societal challenge to end child obesity. In the Childhood Obesity Prevention Challenge Area RFA, specific program areas are designed to achieve the long-term outcome of reducing the prevalence of overweight and obesity among children and adolescents. Project types supported by AFRI within this RFA include single-function Research, Education, and Extension Projects, multi-function Integrated Research, Education, and/or Extension Projects, and Food and Agricultural Science Enhancement (FASE) Grants.

Amount: \$5,000,000

LOI: N/R

Deadline: June 29, 2010

To learn more: http://nifa.usda.gov/funding/rfas/pdfs/10_afri_obesity.pdf

Key Words: **Childhood Obesity**

Identification and Characterization of Molecular Targets Within the mTOR Pathway With Potential to Impact Healthspan and Lifespan (R21)

New

PA-10-164

National Institute on Aging (NIA)

National Cancer Institute (NCI)

This FOA issued by the National Institute on Aging and the National Cancer Institute encourages grant applications focused on: 1) identifying novel targets within the mTOR (mammalian target of rapamycin) signaling network, the manipulation of which has the potential to promote healthy aging, i.e. extend health span in the aged (NIA interest); and 2) identifying and characterizing dietary constituents that modulate the mTOR pathway and promote cancer prevention (NCI interest). Identification and characterization of targets can utilize a wide range of approaches, including medicinal chemistry, in vitro assays, and studies in lower organisms or mammalian models.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-164.html>

Key Words: **Rapamycin, mTOR, Signaling Pathways, Dietary Modifiers of mTOR**

Diet Composition and Energy Balance (R01)

New

PA-10-152

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
National Cancer Institute (NCI)
National Center for Complementary and Alternative Medicine (NCCAM)
National Heart, Lung and Blood Institute (NHLBI)
National Institute on Aging (NIA)

The goal of this funding opportunity announcement (FOA) is to invite Research Project Grant (R01) applications investigating the role of diet composition in energy balance, including studies in both animals and humans. Both short and longer-term studies are encouraged, ranging from basic studies investigating the impact of micro- or macronutrient composition on appetite, metabolism, and energy expenditure through clinical studies evaluating the efficacy of diets differing in micro- or macronutrient composition, absorption, dietary variety, or energy density for weight loss or weight maintenance.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-152.html>

Key Words: **Nutrient Composition, Energy Balance, Metabolism**

Healthy Eating Research: Building Evidence to Prevent Childhood Obesity

Robert Wood Johnson Foundation (RWJF)

Healthy Eating Research is a national program of the Robert Wood Johnson Foundation (RWJF). The program supports research on environmental and policy strategies with strong potential to promote healthy eating among children to prevent childhood obesity, especially among lower-income and racial and ethnic populations at highest risk for obesity. Findings are expected to advance RWJF's efforts to reverse the childhood obesity epidemic by 2015.

The three types of funding opportunities included in this call for proposals (CFP) are Round 5 grants, rapid-response grants and New Connections grants through Healthy Eating Research. The broad topics and types of studies are described in the complete CFP.

Amount: \$up to \$170,000

LOI: N/R

Deadline: May 13, 2010 for Round 5 Grants and New Connections

March 15-September 1, 2010 for Rapid-Response Grants

To learn more: <http://www.rwjf.org/applications/solicited/cfp.jsp?ID=20922>

Key Words: **Childhood Obesity**

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:

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 granzysin, perforin, and serine proteases (granzymes).

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-131.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-132.html>

Key Words:

Exfoliated Cells, Bioactive Food Components, and Cancer (R01) [PA-08-030] and (R21) [PA-08-031]

PA-08-030 and PA-08-031

NIH

The National Cancer Institute (NCI) invites applications for new R01 grants focusing on research to critically evaluate the use of exfoliated cells to monitor the physiological effects of dietary bioactive food components thought to be involved with cancer prevention. The objective is to encourage interdisciplinary collaborations between scientists engaged in research using exfoliated cells and those conducting nutrition research related to cancer prevention. This research will help determine the utility of exfoliated cells as a model system to monitor both the absorption and retention of bioactive food components and the concomitant alterations in genomic and epigenetic events that occur in intact cells.

Amount: \$275,000 over 2 years

LOI: N/R

Deadline: multiple, see announcement; continuous through January 8, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-030.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-031.html>

Key Words:

The Role of Gastrointestinal Surgical Procedures in Amelioration of Obesity-Related Insulin, Resistance and Diabetes Independent of Weight Loss (R01)

PA-08-014

NIDDKD

This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health encourages Research Project Grant (R01) applications from Institutions/organizations that propose to explain the underlying mechanism(s) by which various gastrointestinal surgical procedures ameliorate obesity-related insulin resistance and diabetes independent of the resultant weight loss.

Amount: unspecified

LOI: N/R

Deadline: Multiple dates, see announcement.

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-014.html>

Key Words:

Bioenergetics, Fatigability, and Activity Limitations in Aging (R01) and (R21) and (R03)

PA-09-190

National Institute on Aging (NIA)

National Heart, Lung, and Blood Institute (NHLBI)

National Institute of Nursing Research (NINR)

Office of Research on Women's Health (ORWH)

Office of Dietary Supplements (ODS)

This FOA issued by the National Institute on Aging (NIA), the National Heart, Lung, and Blood Institute (NHLBI), the National Institute of Nursing Research (NINR), the Office of Research on Women's Health (ORWH), and the Office of Dietary Supplements (ODS) encourages Research Project Grant (R01) applications proposing to study bioenergetic factors underlying increased fatigability and activity limitations in aging. Increased fatigability is a significant cause of restricted physical and cognitive activity in older adults. Alterations in bioenergetics—the production and utilization of energy, and the regulation of these processes—may contribute significantly to increased fatigability. This FOA encourages applications that propose to 1) elucidate specific alterations in bioenergetics related to increased fatigability and activity limitations; 2) develop and evaluate improved measures of fatigability related to bioenergetics; 3) evaluate interventions for increased fatigability and activity limitations that target alterations in bioenergetics and lead to improved quality of life.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-190.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-191.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-192.html>

Key Words: **Aging, Fatigability, Bioenergetics**

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**

Translational Research for the Prevention and Control of Diabetes and Obesity (R18)

PAR-09-176

National Institute of Diabetes and Digestive and Kidney Diseases

Eunice Kennedy Shriver National Institute of Child Health and Human Development

Office of Behavioral and Social Science Research

The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) and the Office of Behavioral and Social Sciences Research (OBSSR) encourage NIH Research Demonstration and Dissemination Project grant (R18) applications from institutions/ organizations to test the effectiveness of interventions for the prevention and control of diabetes and obesity that have a high potential to be adopted, and sustained in applied health care settings. The approaches tested must be based on widely accepted interventions previously demonstrated to be efficacious in clinical trials. Research must target the prevention or reversal of obesity, prevention of type 2 diabetes, improved care of type 1 and type 2 diabetes, or the prevention or delay of the complications of these conditions. The interventions proposed under this FOA should have the potential to be widely disseminated to clinical practice, individuals and communities at risk.

Amount: \$2,500,000

LOI: N/R

Deadline: July 1, 2010, November 1, 2010, March 1, 2011, July 1, 2011, November 1, 2011, March 1, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-176.html>

Key Words: **Obesity, Diabetes**

Planning Grants for Translational Research for the Prevention and Control of Diabetes and Obesity (R34)

PAR-09-177

National Institute of Diabetes and Digestive and Kidney Diseases

Eunice Kennedy Shriver National Institute of Child Health and Human Development

Office of Behavioral and Social Science Research

The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) and the Office of Behavioral and Social Sciences Research (OBSSR) encourage NIH Clinical Trial Planning Grant Program grant (R34) applications from institutions/ organizations to develop and pilot test translational interventions for the prevention and control of diabetes and obesity that have a high potential to be adopted, and sustained in applied health care settings. Research must be based on widely accepted interventions previously demonstrated to be efficacious in clinical trials. Research must target the prevention or reversal of obesity, prevention of type 2 diabetes, improved care of type 1 and type 2 diabetes, or the prevention or delay of the complications of these conditions. The interventions proposed under this FOA should have the potential to be widely disseminated to clinical practice, individuals and communities at risk.

Amount:

LOI: N/R

Deadline: July 1, 2010, November 1, 2010, March 1, 2011, July 1, 2011, November 1, 2011, March 1, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-177.html>

Key Words: **Obesity, Diabetes**

Human Brown Adipose Tissue: Methods for Measurement of Mass and Activity (R21)

RFA-DK-10-002

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDKD)

This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases and the National Institutes of Biomedical Imaging and Bioengineering, National Institutes of Health, solicits applications for Exploratory/Development Research Grants (R21) to develop tools and methods capable of measuring the mass of brown adipose tissue (BAT) in human populations (e.g. amounts in different depots, amounts mixed in with WAT and muscle); to develop new tools to modulate and measure the metabolic activity of human BAT, or to develop additional markers of human BAT tissue mass or activity.

Amount: \$275,000

LOI: October 13, 2010

Deadline: November 10, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-10-002.html>

Key Words: **BAT, Metabolic Activity, Brown Adipose Tissue**

NIDDK 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**

Home and Family Based Approaches for the Prevention or Management of Overweight or Obesity in Early Childhood (R21) and (R01)

PA-10-128 and PA-10-127

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

National Heart, Lung and Blood Institute (NHLBI)

Office of Behavioral and Social Sciences Research (OBSSR)

Office of Disease Prevention (ODP)

This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Heart, Lung and Blood Institute (NHLBI), the Office of Behavioral and Social Sciences Research (OBSSR) and the Office of Disease Prevention (ODP), National Institutes of Health, invites exploratory pilot/feasibility study and small clinical trial (R21) applications from institutions/organizations that propose to test novel home or family based interventions for the prevention or management of overweight in infancy and early childhood. Tested interventions can use behavioral (including dietary and physical activity), environmental, or other relevant approaches. Applications should focus on infants and young children (to age six years) and emphasize the role of home environment and the influence of family/extended family members and parents (including guardians/substantial care-providers) within the child's home environment. The direct goal of this initiative is to fund research that will advance knowledge for innovative approaches to the prevention or management of overweight in children less than 6 years of age, with potential for future research clinical trial applications either in the home or linked to a community setting. Research should consider the role of families in the initiation, support, and reinforcement of fundamental food and beverage consumption, physical activity practices, and sedentary behaviors. In addition it is of interest to elucidate various underlying behavioral determinants that are crucial to initiate or sustain changes in behaviors that impact energy balance. Research designs may include linkages with other settings (e.g., daycare, pre-school, or other community venues) or other care providers (e.g., health care providers or teachers) but must include infants or children less than age six years as the primary study participant along with parents, and/or other family members residing with the child.

The overarching goal is to identify interventions that influence parent and child behaviors that contribute to inappropriate weight gain, and thereby improve subsequent health status in childhood, adolescence, and adulthood for which overweight is a known risk factor.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-128.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-127.html>

Key Words: **Obesity**

Pilot and Feasibility Clinical Research Studies in Digestive Diseases and Nutrition (R21)

PA-09-151

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

National Cancer Institute (NCI)

National Institute of Nursing Research (NINR)

Office of Dietary Supplements, National Institutes of Health (ODS)

This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK); the National Cancer Institute (NCI); the National Institute for Nursing Research (NINR), and Office of Dietary Supplements (ODS) of the National Institutes of Health, encourages pilot and feasibility clinical and epidemiological research studies of new therapies or means of health promotion and prevention of digestive and liver diseases and nutritional disorders associated with digestive and liver diseases, including cancer.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-151.html>

Key Words: **Liver Disease, Nutritional Disorders**

Diet Composition and Energy Balance (R01)

PA-07-218

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

National Cancer Institute (NCI)

National Center for Complementary and Alternative Medicine (NCCAM)

National Heart, Lung and Blood Institute (NHLBI)

National Institute on Aging (NIA)

The goal of this funding opportunity announcement (FOA) is to invite Research Project Grant (R01) applications investigating the role of diet composition in energy balance, including studies in both animals and humans. Both short and longer-term studies are encouraged, ranging from basic studies investigating the impact of micro- or macronutrient composition on appetite, metabolism, and energy expenditure through clinical studies evaluating the efficacy of diets differing in micro- or macronutrient composition, absorption, dietary variety, or energy density for weight loss or weight maintenance.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-07-218.html>

Key Words: **Obesity, Weight Loss, Diet**

Nutrition Obesity Research Centers (P30)

RFA-DK-10-003

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

This FOA issued by the National Institutes of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, solicits grant applications from institutions/organizations that propose to establish core centers that are part of an integrated program of nutrition and/or obesity-research. The purpose of this Centers program is to bring together, on a cooperative basis, basic science and clinical investigators to enhance the effectiveness of their research related to nutrition and/or obesity.

Amount: \$3,750,000

LOI: May 25, 2010

Deadline: June 22, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-10-003.html>

Key Words: **Obesity**

Nutrition and Physical Activity Research to Promote Cardiovascular and Pulmonary Health (R01) and (R21)

PA-09-243 and PA-09-244

National Heart, Lung, and Blood Institute (NHLBI)
National Center for Complementary and Alternative Medicine (NCCAM)
National Institute of Nursing Research (NINR)

This FOA encourages Research Project Grant (R01) applications that propose research on the roles of nutrition and physical activity in the development, prevention, and management of cardiovascular diseases (CVD) or pulmonary diseases. In particular, the FOA aims to (1) improve knowledge of the contribution of diet and physical activity to these conditions and how sleep influences these relationships, (2) increase the evidence base for refining public health recommendations and clinical guidelines regarding these lifestyle behaviors, and (3) develop and test strategies to improve the adoption of these recommendations.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-243.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-244.html>

Key Words: **Sleep, Physical Activity, Cardiovascular Disease**

In Utero Exposure to Bioactive Food Components and Mammary Cancer Risk (R01) [PA-08-0140]

In Utero Exposure to Bioactive Food Components and Mammary Cancer Risk (R21) [PA-08-0141]

PA-08-140 and PA-08-141

National Cancer Institute
National Institute of Environmental Health Sciences
Office of Dietary Supplements

This Funding Opportunity Announcement (FOA) encourages innovative preclinical research applications that will enhance the understanding of the relationship between exposure(s) to bioactive food components and/or environmental chemicals in utero, hormonal and growth-factor response, gene expression or epigenetic changes, and subsequent mammary cancer risk in preclinical models. This FOA encourages applications that apply new high-throughput genomic, epigenomic, proteomic, and metabolomic technologies to determine how dietary exposures in utero influence adult breast cancer susceptibility. The resulting information will help define effective maternal dietary intervention strategies for breast cancer prevention in offspring.

Amount: varies

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-140.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-141.html>

Key Words:

Prioritizing Molecular Targets for Cancer Prevention with Nutritional Combinations (R01)

PA-10-035

National Cancer Institute (NCI)
Office of Dietary Supplements (ODS)

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), and the Office of Dietary Supplements (ODS), of the National Institutes of Health (NIH), invites research applications to enhance our understanding about the dynamic interrelationship that exists between bioactive food components (and/or combinations thereof) and cancer prevention. Although much evidence exists that dietary components are linked to cancer prevention, the interactions among dietary bioactive compounds and food combinations remains under-investigated. Applications are encouraged to consider either multiple dietary bioactive components, intact foods or multiple foods utilizing physiologically relevant concentrations of the agents. New genetic technologies may be employed to study the impact of dietary components on complex cellular and molecular networks, as part of the effort to better understand the basis for the multifaceted interactions of food components with cancer prevention mechanisms. Specifically, applications that apply new high-throughput genomic, epigenomic, proteomic, and metabolomic technologies to prioritize molecular targets of dietary components are highly encouraged. The sites of action that may be evaluated include carcinogen metabolism, DNA repair, cell proliferation, apoptosis, differentiation, hormonal regulation, energetics, inflammation, and/or angiogenesis. In addition, applications should either evaluate multiple molecular targets within a cancer process or multiple processes in order to prioritize which process(es) is/are most involved in bringing about a phenotypic change. It is hoped that advances in this area may assist in optimizing cancer prevention while minimizing potential toxicity due to food components. The resulting information will help define which foods or food components should be considered in isolation or in combination when developing dietary strategies to reduce cancer risk and/or modify tumor behavior.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-035.html>

Key Words: **Dietary Components, Cancer Prevention**

Diet, Epigenetic Events, and Cancer Prevention (R01) and (R21)

PA-09-234 and PA-09-235

National Cancer Institute (NCI)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Office of Dietary Supplements (ODS)

The aim of this funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), and the Office of Dietary Supplements (ODS), of the National Institutes of Health (NIH), is to promote clinical and preclinical research to determine how diet and dietary factors, including dietary supplements, impact DNA methylation, histone posttranslational modification, noncoding RNA, and other epigenetic processes involved in cancer prevention and development. Another important aim of this FOA is to encourage collaborations between nutrition and epigenetic experts to study bioactive food components with cancer-preventative properties and to examine key epigenetic events in cancer processes (e.g., carcinogen metabolism, cell division, differentiation, and apoptosis) in order to begin to establish linkages between epigenetics, methylation patterns, and tumor incidences/behaviors.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-234.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-235.html>

Key Words: **DNA Methylation, Histones, Dietary Supplements, Cancer**

Investigational Nutrigenetic Studies for Cancer Prevention [(R01) PA-08-220] and [(R21) PA-08-221]

PA-08-220 and PA-08-221

National Cancer Institute (NCI)

National Institute of Nursing Research (NINR)

Office of Dietary Supplements (ODS)

This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), the National Institute of Nursing Research (NINR), and the Office of Dietary Supplements (ODS), all of the National Institutes of Health (NIH), solicits applications for research projects that can combine information on individual genetic variations from the Human Genome and International HapMap Projects to stimulate small pilot dietary intervention studies. The overarching goal is to examine whether genetic variants can predict individual response to dietary components that alter cancer processes and modify individual 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**

Improving Diet and Physical Activity Assessment (R01)

PAR-09-224

National Cancer Institute (NCI)

National Heart, Lung, and Blood Institute (NHLBI)

National Institute on Aging (NIA)

National Institute of Child Health and Human Development (NICHD)

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), the National Heart, Lung, and Blood Institute (NHLBI), the National Institute on Aging (NIA), the National Institute of Child Health and Human Development (NICHD), the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Institute of Nursing Research (NINR), and the National Institutes of Health (NIH) Office of the Director (OD) Office of Dietary Supplements (ODS), encourages innovative research to enhance the quality of measurements of dietary intake and physical activity. Applications submitted under this FOA may include development of: novel assessment approaches; better methods to evaluate instruments; assessment tools for culturally diverse populations or various age groups, including older adults; improved technology or applications of existing technology; statistical methods to assess or correct for measurement errors or biases, methods to investigate the multidimensionality of diet and physical activity behavior through pattern analysis; or integrated measurement of diet and physical activity along with the environmental context of such behaviors.

Amount: varies

LOI: May 5, 2010; January 5, 2011; September 5, 2011; May 5, 2012

Deadline: June 5, 2010; February 5, 2011; October 5, 2011; June 5, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-224.html>

Key Words: **Obesity, Physical Activity**

Obesity Policy Research: Evaluation and Measures (R01), (R21) and (R03)

PA-10-027 and PA-10-028 and PA-10-029

National Cancer Institute (NCI)

National Heart, Lung, and Blood Institute (NHLBI)

National Institute of Child Health and Human Development (NICHD)

Office of Behavioral and Social Sciences Research (OBSSR)

National Center for Chronic Disease Prevention and

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), National Heart, Lung, and Blood Institute (NHLBI), Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), Office of Behavioral and Social Sciences Research (OBSSR), NIH, and the National Center for Chronic Disease Prevention and Health Promotion, CDC, encourages Exploratory/Developmental Grant (R21) applications that propose to: (1) conduct evaluation research on obesity-related "natural experiments" (defined here as community and other population-level public policy interventions that may affect diet and physical activity behavior), and/or (2) develop and/or validate relevant community-level measures (instruments and methodologies to assess the food and physical activity environments at the community level). The overarching goal of this FOA is to inform public policy and research relevant to (1) diet and physical activity behavior, and (2) weight and health outcomes of Americans. The R21 grant mechanism is intended to encourage exploratory/developmental research by providing support for the early and conceptual stages of project development.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-028.html>

Key Words: **Obesity, Public Policy**

Impact of Health Communication Strategies on Dietary Behaviors [(R21) PA-08-240] and [(R01) PA-08-241]

PA-08-240 and PA-08-241

National Cancer Institute (NCI)

National Heart, Lung, and Blood Institute (NHLBI)

National Institute of Child Health and Human Development (NICHD)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

Office of Behavioral and Social Sciences Research

This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), the National Heart, Lung, and Blood Institute (NHLBI), the National Institute of Child Health and Human Development (NICHD), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), the Office of Behavioral and Social Sciences Research (OBSSR), the NIH-Office of Disease Prevention (ODP), the Office of Dietary Supplements (ODS), the U.S. Food and Drug Administration (FDA), and the Centers for Disease Control and Prevention (CDC), encourages applications for research projects focused on the development and implementation of effective communication strategies related to diet and health. Specifically, this FOA is designed to promote interdisciplinary research, conducted at multiple levels (e.g., individual, community/environment, and policy) and across diverse populations, to evaluate effective communication approaches for changing dietary behaviors.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-240.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-241.html>

Key Words: **Nutrition, Communication**

Exploratory Cancer Prevention Studies Involving Molecular Targets for Bioactive Food Components (R21)

PA-10-088

National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), National Institutes of Health (NIH), encourages exploratory research on the role of nutrition in cancer prevention. Specifically, this FOA seeks to promote cancer prevention research to identify and characterize molecular targets for bioactive food components. For the purpose of this FOA, a bioactive food component is defined as a dietary constituent that has a health benefit by altering one or more cellular processes when provided in quantities over and beyond that needed for basic nutrition.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-088.html>

Key Words: **Molecular Targets, Food, Cancer**

Community-Based Partnerships for Childhood Obesity Prevention and Control: Research to Inform Policy (R03) and (R21)

PA-09-140 and PA-09-141

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

National Cancer Institute (NCI)

National Heart, Lung, and Blood Institute (NHLBI)

Office of Behavioral and Social Sciences Research (OBSSR)

National Center for Chronic

The purpose of this funding opportunity announcement (FOA) issued by the NICHD is to enhance childhood obesity research by fostering the formation of local, state, or regional teams consisting of researchers, policymakers, and other relevant stakeholders (e.g., community representatives, public health practitioners or officials, educators) in order to identify research questions and hypotheses, design and implement the relevant research, and translate the research into evidence relevant to potential policy efforts in this area. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.

Amount: \$100,000-\$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-140.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-141.html>

Key Words: **Childhood Obesity, Public Policy**

Genetic Studies of Food Allergies Research Program (GSFARP)

W81XWH-10-GSFARP-CA

W81XWH-10-GSFARP-IA

Department of Defense (DOD)

Congressionally Directed Medical Research Programs (CDMRP)

The FY10 GSFARP challenges the scientific and clinical communities to submit original ideas that foster new directions in basic science or translational research, or novel product development leading to improved therapeutic or diagnostic tools. The GSFARP seeks applications in laboratory, clinical, and epidemiologic research. Interdisciplinary and integrative approaches are welcomed.

Concept Award

Idea Award

Amount: up to \$300,000

LOI: May 27, 2010

Deadline: June 10, 2010

To learn more: <http://cdmrp.army.mil/funding/gsfarp.htm>

Key Words: **Food Allergies, Genetics**

Oral Cavity/Dentistry

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Training for a Dental and Craniofacial Research Workforce (T32)

New

PAR-10-171

National Institute of Dental and Craniofacial Research (NIDCR)

The National Institute of Dental and Craniofacial Research (NIDCR) will award T32 Institutional Training grants to eligible institutions that are committed to supporting predoctoral and postdoctoral research training as a means to help ensure that a diverse and highly trained workforce is available to address the Nations health related needs in dental, oral, and craniofacial research. This NIDCR program is designed in recognition of the need to develop a cadre of highly qualified independent scientists who can successfully address basic, behavioral, and clinical research questions to improve oral, dental and craniofacial health. Trainees are required to pursue full-time research training. Priority will be given to programs that present plans and evidence that they will train dentist scientists either as predoctoral dual degree dentist scientists, dentists receiving PhD training or dentists training in a postdoctoral research experience.

Amount: \$4,000,000

LOI: August 25, 2010, 2011, 2012

Deadline: September 25, 2010, 2011, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-171.html>

Key Words: **Oral, Dental and Craniofacial Health**

Institutional Training for a Dental and Craniofacial Research Workforce (T90/R90)

New

PAR-10-170

National Institute of Dental and Craniofacial Research (NIDCR)

The National Institute of Dental and Craniofacial Research (NIDCR) will award T90/R90 grants to eligible institutions that are committed to supporting predoctoral and postdoctoral research training as a means to help ensure that a diverse and highly trained workforce is available to address the Nations health related needs in dental, oral, and craniofacial research. This NIDCR program is designed in recognition of the need to develop a cadre of highly qualified independent scientists who can successfully address basic, behavioral, and clinical research questions to improve oral, dental and craniofacial health. Trainees are required to pursue full-time research training. Priority will be given to programs that present plans and evidence that they will train dentist scientists either as predoctoral dual degree dentist scientists, dentists receiving PhD training or dentists training in a postdoctoral research experience.

Amount: \$4,000,000

LOI: August 25, 2010, 2011, 2012

Deadline: September 25, 2010, 2011, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-170.html>

Key Words: **Oral, Dental and Craniofacial Health**

Bioengineering Research Grants (BRG)[R01]

PA-06-419

National Institutes of Health (NIH), multiple institutes

The BRGs support multi-disciplinary research performed in a single laboratory or by a small number of investigators that applies an integrative, systems approach to develop knowledge and/or methods to prevent, detect, diagnose, or treat disease or to understand health and behavior. A BRG application may propose hypothesis-driven, discovery-driven, developmental, or design-directed research.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-06-419.html>

Key Words: **Imaging, Bioengineering, Arthritis, Musculoskeletal and Skin Diseases, Dental and Craniofacial, Neurological Disorders, Stroke, CAM**

NIDCR Small Research Grants for Data Analysis and Statistical Methodology (R03)

PAR-09-182

National Institute of Dental and Craniofacial Research (NIDCR),

The goal of this funding opportunity announcement (FOA) is to support meritorious research projects that involve secondary data analyses or statistical methodology using existing dental or craniofacial database resources.

Amount: \$200,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-182.html>

Key Words: **Dentistry, Database, Statistical Analysis**

NIDCR Small Research Grants for Data Analysis and Statistical Methodology applied to Genome-wide Data (R03)

PAR-10-041

National Institute of Dental and Craniofacial Research (NIDCR)

This funding opportunity announcement (FOA) will support meritorious research projects that involve secondary data analyses or development of statistical methodology using existing genome-wide data, relevant to human dental or craniofacial conditions or traits.

Amount: \$300,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-041.html>

Key Words: **Craniofacial, Dental Conditions**

NIDCR Dentist Scientist Pathway to Independence Award (K99/R00)

PAR-09-256

National Institute of Dental and Craniofacial Research (NIDCR)

The primary purpose of the Pathway to Independence Award (K99/R00) program is to increase and maintain a strong cohort of new and talented NIH-supported independent investigators. The program is designed to facilitate a timely transition from a mentored postdoctoral research position to a stable independent research position with independent NIH or other independent research support at an earlier stage than is currently the norm.

Amount: \$1,445,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-256.html>

Key Words: **Training Grants**

NIDCR Clinical Trial Implementation Cooperative Agreement (U01)

PAR-08-196

National Institute of Dental and Craniofacial Research (NIDCR)

This FOA issued by the National Institute of Dental and Craniofacial Research (NIDCR), National Institutes of Health, will support investigator-initiated Phase I, II, III, or IV clinical trial cooperative agreement applications only from NIDCR Clinical Trial Planning (R34) grant awardees (see PAR-08-195 for information about NIDCR Clinical Trial Planning Grants) unless an exception is granted. Each clinical trial implementation application will use the PHS 398 grant application with special instructions and will include a final draft of the clinical trial protocol, the Clinical Investigators Brochure or equivalent, and a Manual of Procedures resulting from the R34 grant. These documents must meet all National Institutes of Health (NIH), Food and Drug Administration (FDA), and Office of Human Research Protections (OHRP) requirements. All awards will be made as cooperative agreements.

Amount: varies

LOI: Six weeks before submission

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-196.html>

Key Words: **Clinical Trials**

NIDCR Clinical Trial Planning Grant (R34)

PAR-08-195

National Institute of Dental and Craniofacial Research (NIDCR)

This FOA, issued by the National Institute of Dental and Craniofacial Research (NIDCR), National Institutes of Health, will support clinical trial planning (R34) grants for the comprehensive planning, design and documentation of investigator-initiated Phase I, II, III, or IV interventional clinical trials. Interventional behavioral studies, sometimes referred to as Stage I, II, III or IV studies, are included. The R34 planning grant is designed to: (1) permit early peer review of the rationale for the proposed clinical trial; (2) permit early assessment of the design and implementation plans of the proposed trial; and (3) provide support for the development of a comprehensive clinical trial protocol and associated documents including a Manual of Procedures. The complete protocol and associated documents are required components of any subsequent clinical trial implementation (U01) application. The product of the R34 will be either an application for a clinical trial implementation cooperative agreement (U01) or a report summarizing the work completed and the reasons for not proceeding to a clinical trial implementation application. Pre-approval from the NIDCR is required for the submission of the R34 application.

Amount: varies

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-195.html>

Key Words: **Clinical Trials**

NIDCR Individual NRSA Predoctoral Dental Scientist Fellowship (F30)

PAR-08-119

National Institute of Dental and Craniofacial Research (NIDCR)

The National Institute of Dental and Craniofacial Research (NIDCR) seeks new Ruth L. Kirschstein National Research Service Award (NRSA) applications for an Individual Predoctoral Dental Scientist Fellowship (PDSF). The purpose of the PDSF is to offer an integrated dental and graduate research training program that leads to attainment of both the DDS/DMD and PhD (or equivalent) degrees.

Amount: \$50,000/year

LOI: N/R

Deadline: Standard NRSA receipt dates of April 8, August 8 and December 8

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-119.html>

Key Words: **Dentistry, Dental Training, Dental Fellowships**

Patient Oriented Research

Integrated Preclinical/Clinical AIDS Vaccine Development Program (IPCAVD) (U19)

New

PAR-10-161

National Institute of Allergy and Infectious Diseases (NIAID)

The goal of this Funding Opportunity Announcement (FOA) issued by the National Institute of Allergy and Infectious Diseases (NIAID) is to facilitate the translation of innovative and promising basic science-derived vaccine concepts for prophylactic HIV vaccines to initial clinical trials by providing the critical resources necessary for achieving this goal. The Integrated Preclinical/Clinical AIDS Vaccine Development Program (IPCAVD) is a mechanism that enables investigators to conduct clinical research studies aimed at addressing specific scientific questions and vaccine concepts most appropriately tested in humans. To fulfill this goal, an IPCAVD award is intended to provide assistance to meritorious competitive projects in 3 areas: (1) support for basic hypothesis-driven science to advance development of the vaccine concept by facilitating non-human primate (NHP) proof-of-concept studies and down-selection to the best lead candidate; (2) access to resources for determining whether the vaccine concept is clinically feasible by determining whether a candidate vaccine successfully addresses FDA requirements for performing clinical testing, by determining the feasibility of manufacturing cGMP lots of the vaccine and by determining vaccine safety by conducting the required toxicology and pharmacology safety studies; and (3) support for the initial human clinical study central to addressing the proposed scientific question.

Amount: \$12,500,000

LOI: October 8, 2010; October 7, 2011; October 9, 2012

Deadline: March, 2011, 2012, 2013

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-161.html>

Key Words: **Vaccine Trials, HIV/AIDS**

Preliminary Clinical Studies in Preparation for Large Interventional Trials of Complementary and Alternative Medicine (CAM) Therapies (R34)

New

PAR-10-163

National Center for Complementary and Alternative Medicine (NCCAM)

The goal of this FOA, issued by the National Center for Complementary and Alternative Medicine, is to support early phase clinical research and development on high priority CAM interventions. This mechanism is intended to support the development of methodology and the preliminary data needed for planning and design of subsequent, larger randomized clinical trials, cluster randomized trials or cohort studies. This mechanism is not appropriate for support of randomized clinical trials to test or determine efficacy. It is appropriate for development of preliminary studies that will contribute to the design of either efficacy or real-world effectiveness studies.

Amount: \$450,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-163.html>

Key Words: **CAM Interventions, Alternative Medicine**

Modification to RFA-RM-09-019: Institutional Clinical and Translational Science Award (U54)

NOT-RM-10-006

NIH Roadmap Initiatives

The purpose of this Notice is to modify the language of RFA-RM-09-019 with regard to Section IV. Application and Submission Information: Part 2. Content and Form of Application Submission; Format of the Application; Item F. Institutional Clinical and Translational Science Award Program, and to correct the total number of pages in the Executive Summary: Application Research Plan Component and Length.

Amount:

LOI:

Deadline: Release Date: March 19, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-RM-10-006.html>

Key Words: **CTSA, Clinical and Translational**

Long Acting, Sustainable Therapies of Opiate Addiction (R01)

PAS-08-061

NIDA

This Funding Opportunity Announcement (FOA) issued by the National Institute on Drug Abuse, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose the development of sustained pharmacotherapies and behavioral treatments to reduce the risk of contraction and transmission of HIV. Specifically, this FOA supports applications directed at the development of (1) heroin/morphine-protein conjugates (heretofore referred to as heroin/morphine conjugate vaccines or HCVs) for the treatment of opiate addiction, (2) clinical systems for the application of currently available long-acting (30-day or longer sustained-release) dosage forms for opiate pharmacotherapies to optimize these sustained pharmacotherapies to effect the reduction of the risk for acquisition and transmission of HIV, and (3) effective clinical treatment modalities, including behavioral treatment in conjunction with pharmacotherapies, to improve the effectiveness of opiate treatment and reduce the risk

behaviors associated with transmission of HIV. Clinical studies should include the assessment of HIV risk behaviors as an outcome measure.

Amount: \$400,0000

LOI: N/R

Deadline: multiple, see link

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAS-08-061.html>

Key Words:

Research On Ethical Issues In Human Subjects Research (R03), (R21), and (R01)

PA-06-367 and PA-06-368 and PA-07-277

National Institutes of Health (NIH), multiple agencies

The National Institutes of Health (NIH) invites research grant applications to investigate ethical issues in human subjects research.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-06-367.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-06-368.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-07-277.html>

Key Words: **Ethics, Human Subjects**

Silvio O. Conte Centers for Basic and Translational Mental Health Research (P50)

PAR-08-194

National Institutes of Health (NIH)

National Institute of Mental Health (NIMH)

The National Institute of Mental Health (NIMH) invites applications for Conte Centers for Basic and Translational Mental Health Research. The purpose of these Centers is to support interdisciplinary teams of researchers engaging in integrative, novel, and creative experimental approaches to address high-risk, high-impact questions that will significantly advance the state of the science in brain and behavioral research relevant to mental health. Conte Centers comprise a collaborative, cutting-edge, interdisciplinary research program conducted at multiple levels of analysis spanning from genes to behavior to disease in humans, animals, and model systems, from infancy to adulthood as appropriate, based on a well-defined and unified scientific question (hypothesis) or problem. Areas of interest span the full range of basic neuroscience, basic behavioral science, genetics research, and proof-of-concept clinical trials, as well as the translational integration of neuroscience and behavioral science with study of the etiology, pathogenesis, and/or the developmental progression of mental disorders across the lifespan. Proposed Centers should be directed towards a well-defined and unified scientific question or problem and in some instances may include discovery-based as well as technology development components.

Amount: \$10,750,000

LOI: August 25, 2010

Deadline: September 23, 2010

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PAR-08-194.html>

Key Words: **Mental Health, Neuropsychiatry, Psychiatry**

SHIFT Award: Small Businesses Helping Investigators to Fuel the Translation of Scientific Discoveries [SBIR: R43/R44]

PA-10-122

National Institutes of Health (NIH)

multiple institutes

The primary objectives of the SHIFT SBIR initiative are: (1) to foster research that is translational in nature and (2) to transform academic scientific discoveries into commercial products and services. Academic researchers can be a driving force for new products and services in a small business concern (SBC). A major feature of the SHIFT program includes the requirement for an investigator who is primarily employed by a United States research institution at the time of application to transition to a small business concern (SBC) and be primarily employed (more than 50% time) by the SBC by or at the time of award. A SHIFT SBIR grant enables an SBC to increase both its scientific research staff and its core competencies. The Project Director/Principal Investigator (PD/PI) may also facilitate SBC licensing of intellectual property (IP) from the PD/PI's prior academic institutions, promote collaboration opportunities with academic investigators, and enable better access to academic resources.

Amount: up to \$2,250,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-122.html>

Key Words: **Translational Research**

Research on Malignancies in the Context of HIV/AIDS (R21)

PA-07-454

National Institutes of Health (NIH)

The National Cancer Institute (NCI) and National Institute of Dental and Craniofacial Research (NIDCR) are accepting proposals for research that will advance our understanding of the risks, development, progression, diagnosis, and treatment of malignancies observed in individuals with an underlying HIV infection or AIDS. Through this funding opportunity announcement (FOA), the NCI and NIDCR seek to encourage research in areas such as the study of the etiologic factors, cofactors, pathogenesis, and consequences of HIV-associated malignancies in diverse populations. Research on non-AIDS defining malignancies in the context of HIV infection is also encouraged. The incidence of non-AIDS-defining malignancies (e.g., anal, skin, and lung cancers as well as Hodgkin's disease) appear to be increasing in the era of Highly Active Antiretroviral Treatment. This FOA extends to research efforts that will provide information on the clinical outcomes of such cancers in the HIV-infected population and identify specific contributions resulting from HIV infection for the development and pathogenesis of these cancers. Ultimately, such efforts could inform screening approaches and therapies targeted to the HIV-infected population.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-454.html>

Key Words: **AIDS**

Cancer Biology, Cancer or Carcinogenesis, Molecular Epidemiology

Institutional Clinical and Translational Science Award (U54)

RFA-RM-09-019

National Institutes of Health (NIH)

This FOA invites current Clinical and Translational Science Award (CTSA) awardees to propose developments in their environments that will sustain and advance clinical and translational science as a distinct discipline. NIH resources will give institutions flexibility to develop their existing configuration, resources and talent to maximize the safety, efficiency, quality and speed of clinical and translational research. The academic home for clinical and translational science can be a center, department, or institute (C/D/I), and is expected to include faculty who conduct original research, develop graduate and postgraduate training curricula and lead programs that integrate clinical and translational science across multiple departments, schools, research institutes and hospitals.

Amount: varies

LOI: May 3, 2010

Deadline: June 1, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-09-019.html>

Key Words: **CTSA, Clinical and Translational**

Behavioral and Integrative Treatment Development Program (R01) and (R03) and (R34)

PA-10-012 and PA-10-011 and PA-10-013

National Institute on Drug Abuse (NIDA)

National Institute on Alcoholism and Alcohol Abuse (NIAAA)

National Institute of Nursing Research (NINR)

The purpose of this FOA for R01 applications is to encourage Stage II or Stage III research to conduct clinical trials, examine mechanisms of behavior change, determine dose-response, optimize combinations, and/or ascertain best sequencing of behavioral, combined, sequential, or integrated behavioral and pharmacological (1) drug abuse treatment interventions, including interventions for patients with comorbidities, in diverse settings; (2) interventions to prevent the acquisition or transmission of HIV infection among individuals in drug abuse treatment; (3) interventions to promote adherence to drug abuse treatment, HIV and addiction medications; and (4) interventions to treat chronic pain.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-012.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-011.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-013.html>

Key Words: **Clinical Trials, Drug Abuse Treatment, HIV and Addictions**

Drug Abuse Aspects of HIV/AIDS (R01) and (R21) and (R03)

PA-10-129 and PA-10-130 and PA-10-131

National Institute on Drug Abuse (NIDA)

This FOA issued by the National Institute on Drug Abuse (NIDA), National Institutes of Health (NIH), encourages Research Project Grant (R01) applications to examine the drug abuse aspects of HIV/AIDS, including research on drug-related risk behaviors, addiction and HIV disease, and drug use/HIV-related comorbidities and consequences. Proposals are needed to identify and predict changes in

the epidemiology of HIV/AIDS among injection and non-injection drug users and among their sexual partners, to develop and test primary and secondary drug abuse and HIV prevention and treatment interventions, to improve HIV testing, counseling, and treatment services for those living with HIV/AIDS, and to address basic mechanisms involved in HIV infection and AIDS pathogenesis in the context of drug abuse and addiction.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-129.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-129.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-129.html>

Key Words: **HIV/AIDS, Drug Abuse**

Collaborative Clinical Trials in Drug Abuse (Collaborative R01)

PAR-10-099

National Institute on Drug Abuse (NIDA)

The National Institute on Drug Abuse (NIDA) seeks to increase the clinical collaboration of investigators between multiple clinical research groups, while simultaneously facilitating the study of outcome measures and/or patient populations that require larger numbers of subjects than any single site can reasonably enroll.

Amount: \$2,500,000

LOI: 30 days before planned application submission date

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-099.html>

Key Words: **Substance-Related disorders, Pharmacological Treatment, Behavioral Therapy, Neuroimaging, Infectious Disease Transmission**

Drug Abuse Epidemiology and Services Research in Cooperation with the Clinical and Translational Science Awards Consortium (R01)

PAS-09-001

National Institute on Drug Abuse (NIDA)

Through this program announcement with set aside (PAS), the National Institute on Drug Abuse (NIDA) invites applicants to develop innovative drug abuse epidemiology or health services research in cooperation with academic centers supported through the NIH Clinical and Translational Science Awards (CTSA) consortium. A major NIH initiative, the CTSA consortium is transforming how clinical and translational research is conducted, building an infrastructure for multidisciplinary researchers and clinicians to perform research and develop new treatments more efficiently. As a part of this infrastructure, CTSA sites have established partnerships with a range of clinical settings and have access to large, multi-generational population cohorts. These features of the CTSA sites offer a unique opportunity for researchers to integrate drug abuse epidemiology and health services research in these settings. Applicants are asked to propose innovative drug abuse research which builds upon the resources available at CTSA sites, resources which would include CTSA efforts to strengthen networks of clinical sites and to establish innovative information technologies, phenotyping systems, and biobanks. A broad range of drug abuse epidemiology and health services research areas will be supported under the auspices of this FOA.

Amount: \$2,500,000

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAS-09-001.html>

Key Words: **CTSA, Epidemiology, Drug Abuse Treatment**

Medications Development for Cannabis-Related Disorders (R01)

RFA-DA-10-016

National Institute on Drug Abuse (NIDA)

The purpose of this Funding Opportunity Announcement (FOA) is to issue a Request for Applications (RFA) to support research studies that focus on the identification, and preclinical and clinical evaluation, of medications that can be safe and effective for the treatment of cannabis-use and -induced disorders, as well as their medical and psychiatric consequences. The studies can be preclinical or FDA-defined Phase I, Phase II or Phase III clinical trials.

Amount: \$2,500,000

LOI: March 30, 2010

Deadline: April 30, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-016.html>

Key Words: **Marijuana Abuse, Clinical Trials,**

Mechanisms of Alcohol-Induced Tissue Injury (R01)

PA-08-164

National Institute on Alcohol Abuse and Alcoholism
National Heart, Lung, and Blood Institute

The National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Heart Lung and Blood Institute (NHLBI), National Institutes of Health (NIH), solicit the submission of investigator-initiated research grant applications to support research investigating the Mechanisms of Alcohol Induced Tissue Injury in diverse groups and across the life span.

Amount: \$250,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-164.html>

Key Words: **Alcohol, Tissue Damage, Alcohol Disease**

Alcohol Use Disorders: Treatment, Services Research, and Recovery (R21)

PA-08-008

National Institute on Alcohol Abuse and Alcoholism

This Funding Opportunity Announcement (FOA), issued by the National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Institutes of Health (NIH), encourages Exploratory/Developmental (R21) grant applications from institutions/organizations that utilize innovative approaches to research on: behavioral and pharmacological treatment for alcohol use disorders; organizational, financial, and management factors that facilitate or inhibit the delivery of services for alcohol use disorders; and/or on the phenomenon of recovery from alcohol use disorders. (NIH), encourages Exploratory/Developmental (R21) grant applications from institutions/organizations that utilize innovative approaches to research on: behavioral and pharmacological treatment for alcohol use disorders; organizational, financial, and management factors that facilitate or inhibit the delivery of services for alcohol use disorders; and/or on the phenomenon of recovery from alcohol use disorders.

Amount: \$275,000

LOI: N/R

Deadline: Multiple dates, see announcement

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-008.html>

Key Words:

International Research Collaborations on Drug Addiction (R21)

PA-08-007

National Institute on Alcohol Abuse and Alcoholism

This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Exploratory/Developmental Research Project Grant (R21) applications from institutions/ organizations that propose to integrate basic behavioral research and intervention research for the prevention of alcohol-related HIV/AIDS risk.

Amount: varies

LOI: N/R

Deadline: Multiple dates, see announcement

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-007.html>

Key Words:

Integrative Preventions Research for Alcohol Users At-Risk for HIV/AIDS (R01)

PA-08-006

National Institute on Alcohol Abuse and Alcoholism

This Funding Opportunity Announcement (FOA) issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/ organizations that propose to integrate basic behavioral research and intervention research for the prevention of alcohol-related HIV/AIDS risk.

Amount: varies

LOI: N/R

Deadline: multiple dates, see announcement

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-006.html>

Key Words:

Clinical Trial Planning Grants for Critical Illness and Injury in Aging (R34)

PA-10-045

National Institute on Aging (NIA)

This FOA issued by the National Institute on Aging encourages Clinical Trial Planning Grant (R34) applications to develop research protocols for Phase III and IV clinical trials related to critical illness and injury in aging. The planning grant mechanism is intended to permit early peer review of the rationale and design of the proposed Phase III or IV clinical trial, and to support development of a research team, tools for data management and research oversight, recruitment strategies, detailed protocol and Manual of Procedures (MOP), and other essential components necessary for a competitive clinical trial application. This FOA is NOT designed for collecting preliminary data or conducting pilot studies in support of the scientific rationale for a clinical trial.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-045.html>

Key Words: **Injury, Aging**

Mechanisms, Models, Measurement, & Management in Pain Research (R01), (R03) and (R21)

PA-10-006 and PA-10-008 and PA-10-007

National Institute of Nursing Research (NINR)

National Cancer Institute (NCI)

National Center for Complementary and Alternative Medicine (NCCAM)

National Institute on Aging (NIA)

National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)

The purpose of this Funding Opportunity Announcement (FOA), "Mechanisms, Models, Measurement, & Management in Pain Research" issued by the National Institute of Nursing Research (NINR), in conjunction with members of the NIH Pain Consortium as listed above, is to inform the scientific community of the pain research interests of the various Institutes and Centers (ICs) at the National Institutes of Health (NIH) and to stimulate and foster a wide range of basic, clinical, and translational studies on pain as they relate to the missions of these ICs. New advances are needed in every area of pain research, from the micro perspective of molecular sciences to the macro perspective of behavioral and social sciences. Although great strides have been made in some areas, such as the identification of neural pathways of pain, the experience of pain and the challenge of treatment have remained uniquely individual and unsolved. Furthermore, our understanding of how and why individuals transition to a chronic pain state after an acute insult is limited. Research to address these issues conducted by interdisciplinary and multidisciplinary research teams is strongly encouraged, as is research from underrepresented, minority, disabled, or women investigators.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-006.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-007.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-008.html>

Key Words: **Nursing, Pain Management, Clinical and Translational**

Research on Clinical Decision Making in People with or at Risk for Life-Threatening Illness (R01) and (R21)

PA-09-122 and PA-09-121

National Institute of Nursing Research (NINR)

National Cancer Institute (NCI)

This funding opportunity announcement (FOA) issued by the National Institute of Nursing Research (NINR) and the National Cancer Institute (NCI), National Institutes of Health, seeks to stimulate research on the decision-making processes made by persons at risk for and those faced with life-threatening illness. These illnesses are ones that almost always lead to death in a fairly short period of time if left untreated, but may be chronic or even cured if dealt with early in the disease process. An example of a life-threatening illness that may be chronic for some years would be HIV infection when treated. An example of a life-threatening illness that may be cured in its early stages would be breast cancer. Decision-making can occur from the point of adopting preventive behaviors through the end of life. Examples of such decisions could include participating in an HIV vaccine clinical trial, testing for genetic disorder, choosing a treatment intervention vs. watchful waiting (as in early stage prostate cancer), choosing a treatment intervention among several options, joining a therapeutic clinical trial, or making end-of-life care decisions.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-122.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-121.html>

Key Words: **Nursing Research, Cancer Control, Life-Threatening Decision Making Caregivers, Palliative Care**

NINDS Cooperative Program in Translational Research – Single-Component Research Projects (U01)

PAR-08-233

National Institute of Neurological Disorders and Stroke (NINDS)

The goal of this funding opportunity announcement (FOA) is to support pre-clinical development and testing of new therapies for neurological disorders. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the

translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program supports pre-clinical optimization and testing of these leads and projects must be sufficiently advanced that an IND or IDE application to the FDA can be submitted by the end of the project period. The program does not support early-stage therapeutic discovery activities such as high throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NINDS staff in the development of the project plan and monitoring of research progress

Amount: varies

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-233.html>

Key Words: **Clinical translational, neurology, neurological disorders**

NINDS Cooperative Program in Translational Research - Multi-Component Research Projects (U54)

PAR-08-234

National Institute of Neurological Disorders and Stroke (NINDS)

The goal of this Funding Opportunity Announcement (FOA) is to support preclinical development and testing of new therapies for neurological disorders. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program does not support early-stage therapeutic discovery activities such as high-throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NINDS staff in the development of the project plan and monitoring of research progress.

Amount: varies

LOI: N/R

Deadline: standard dates apply (January 25, May 25, and September 25. AIDS application submission dates are May 7, September 7, and January 7)

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-234.html>

Key Words: **Neurological Disorders, Neurology, Neuroscience, Clinical translational**

Drug Discovery for Nervous System Disorders (R01) and (R21)

PAR-10-001 and PAR-10-002

National Institute of Mental Health (NIMH)

National Institute on Aging (NIA)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

National Institute on Drug Abuse (NIAD)

National Institute of Neurological Disorders and Stroke (NINDS)

This funding opportunity announcement (FOA) encourages research grant applications from applicant organizations directed toward the discovery and preclinical testing of novel compounds for the prevention and treatment of nervous system disorders.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-001.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-10-002.html>

Key Words: **Neurological Disorders, Therapy, Treatment, Diagnostics**

Collaborative R34s for Pilot Studies of Innovative Treatments in Mental Disorders (Collaborative R34)

PA-09-075

National Institute of Mental Health (NIMH)

National Center for Complementary and Alternative Medicine

This Funding Opportunity Announcement (FOA), issued by the National Institute of Mental Health (NIMH) and the National Center for Complementary and Alternative Medicine (NCCAM), seeks to support collaborative preliminary intervention studies to evaluate the feasibility, tolerability, acceptability and safety of novel mechanism drug candidates, promising investigational new drugs (INDs), or novel psychosocial strategies for the treatment of mental disorders and for obtaining the preliminary data needed as a pre-requisite to larger-scale (efficacy or effectiveness) intervention or services studies. This FOA should be used when at least two but no more than three sites are needed to complete the study. The collaborating studies should be organized in order to increase sample size, accelerate recruitment, and/or increase sample diversity and representation. For a linked set of collaborative R34s, each site shall have its own Project Director/Principal Investigator and provide for a mechanism for cross-site coordination, quality control, database management, statistical analysis, and reporting.

Amount: \$450,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-075.html>

Key Words: **Mental Disorders, Drug Therapy**

Pilot Intervention and Services Research Grants (R34)

PAR-09-173

National Institute of Mental Health (NIMH)

The purpose of this Funding Opportunity Announcement (FOA) is to encourage research on 1) the development and/or pilot testing of new or adapted interventions, 2) the adaptation and/or pilot testing of interventions with demonstrated efficacy for use in broader scale effectiveness trials, or 3) innovative services research directions that require preliminary testing or development. The R34 award mechanism provides resources for evaluating the feasibility, tolerability, acceptability and safety of novel approaches to improving mental health and modifying health risk behavior, and for obtaining the preliminary data needed as a pre-requisite to a larger-scale (efficacy or effectiveness) intervention or services study. NIMH intervention and services research is aimed at preventing or ameliorating mental disorders, emotional or behavioral problems, the co-occurrence of mental, physical and substance abuse problems, HIV infections, and the functional consequences of these problems across the life span.

Amount: \$450,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-173.html>

Key Words: **Health Risk Behavior, Mental Health Treatment**

Pilot and Feasibility Clinical Research Grants in Diabetes, Endocrine and Metabolic Diseases (R21)

PA-09-133

National Institute of Diabetes and Digestive and Kidney Diseases

Office of Dietary Supplements

This FOA, issued by National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the Office of Dietary Supplements (ODS) of the National Institutes of Health, encourages exploratory/developmental clinical research related to the prevention or treatment of diabetes, obesity and endocrine and genetic metabolic diseases. The Pilot and Feasibility Clinical Research Grants Program is designed to allow initiation of exploratory, short-term clinical studies, so that new ideas may be investigated without stringent requirements for preliminary data. The short-term studies should focus on research questions that are likely to have high clinical impact. They can include testing a new prevention strategy, a new intervention, or unique combinations of therapies. A high priority is the use of such studies to help stimulate the translation of promising research developments from the laboratory into clinical practice in diabetes, endocrine diseases and genetic metabolic diseases, including cystic fibrosis.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-133.html>

Key Words: **Diabetes, Cystic Fibrosis, Metabolic Disease**

Diet Composition and Energy Balance (R01)

PA-07-218

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

National Cancer Institute (NCI)

National Center for Complementary and Alternative Medicine (NCCAM)

National Heart, Lung and Blood Institute (NHLBI)

National Institute on Aging (NIA)

The goal of this funding opportunity announcement (FOA) is to invite Research Project Grant (R01) applications investigating the role of diet composition in energy balance, including studies in both animals and humans. Both short and longer-term studies are encouraged, ranging from basic studies investigating the impact of micro- or macronutrient composition on appetite, metabolism, and energy expenditure through clinical studies evaluating the efficacy of diets differing in micro- or macronutrient composition, absorption, dietary variety, or energy density for weight loss or weight maintenance.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-07-218.html>

Key Words: **Obesity, Weight Loss, Diet**

Development and Validation of Disease Biomarkers (R01)

PA-09-204

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) (<http://www2.niddk.nih.gov>)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

National Institute of Nursing Research (NINR)

Office of Dietary Supplements (ODS)

This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), the National Institute of Nursing Research (NINR), and the Office of Dietary Supplements (ODS) of the National Institutes of Health, will provide resources to validate candidate biomarkers for well-defined human diseases of the liver, kidney, urological tract, and digestive and hematologic systems, as well as endocrine and metabolic disorders, diabetes and its complications, and obesity, for which there are no or very few biomarkers, or for which standard biomarkers are currently prohibitively invasive or expensive. A biomarker is an indicator of a disease process, and could replace hard clinical end points as a measure of the effect of new therapies. Appropriate studies will validate candidate biomarkers in well-defined patient populations, provide new technologies to monitor biomarkers or establish reliable assays for validated markers. Progress in this area has the potential to advance translational research related to efficacy of treatments and bio-behavioral interventions. This FOA is not appropriate for biomarker discovery projects.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-204.html>

Key Words: **Biomarkers, Translational Research, Therapies**

Pilot and Feasibility Clinical Research Grants in Kidney or Urologic Diseases (R21)

PAR-09-077

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, encourages Exploratory/Development Research Grants (R21) that propose small scale or pilot and feasibility clinical and translational research studies, including epidemiological studies or clinical trials related to kidney or urologic disease research that address important clinical and translational questions and are potentially of high clinical and public health impact. It is anticipated that some projects supported by these grants may lead to full-scale clinical studies including diagnostic strategies, epidemiological studies, or randomized clinical trials of diagnosis, prevention, or treatment of kidney or urologic diseases.

Amount: \$500,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-077.html>

Key Words: **Kidney Disease, Urinary Disease**

Collaborative Research on the Transition From Acute to Chronic Pain: New Models and Measures in Clinical and Preclinical Pain Research (R01)

RFA-DE-11-001

National Institute of Dental and Craniofacial Research (NIDCR)

The overall goal of this FOA is to stimulate preclinical and clinical research that will accelerate our understanding of the biological and behavioral determinants driving the transition from acute pain to chronic pain disorders. An understanding of the mechanisms and risk factors that determine who will transition to a chronic pain state is necessary in order to intervene in this transition and to design new, effective treatments to resolve acute pain before it becomes chronic. The objectives of this FOA are to: 1) assemble research teams with expertise in basic and clinical pain research and related expertise outside the pain field that will provide novel, collaborative, multidisciplinary approaches to answer crucial questions about the transition from acute to chronic pain; 2) discover biological and behavioral mechanisms that drive the transition from an acute pain state to a chronic dysfunctional pain condition; 3) develop new clinical and preclinical models and measures of pain that will be essential to identify and characterize these mechanisms. Studies that involve considerable risk but with the potential for breakthroughs in the field are strongly encouraged.

Amount: varies

LOI: May 21, 2010

Deadline: June 22, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-11-001.html>

Key Words: **Pain, Management and Evaluation**

NIDCR Clinical Trial Implementation Cooperative Agreement (U01)

PAR-08-196

National Institute of Dental and Craniofacial Research (NIDCR)

This FOA issued by the National Institute of Dental and Craniofacial Research (NIDCR), National Institutes of Health, will support investigator-initiated Phase I, II, III, or IV clinical trial cooperative agreement applications only from NIDCR Clinical Trial Planning (R34) grant awardees (see PAR-08-195 for information about NIDCR Clinical Trial Planning Grants) unless an exception is granted. Each clinical trial implementation application will use the PHS 398 grant application with special instructions and will include a final draft of the clinical trial protocol, the Clinical Investigators Brochure or equivalent, and a Manual of Procedures resulting from the R34 grant. These documents must meet all National Institutes of Health (NIH), Food and Drug Administration (FDA), and Office of Human Research Protections (OHRP) requirements. All awards will be made as cooperative agreements.

Amount: varies

LOI: Six weeks before submission

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-196.html>

Key Words: **Clinical Trials**

NIDCR Clinical Trial Planning Grant (R34)

PAR-08-195

National Institute of Dental and Craniofacial Research (NIDCR)

This FOA, issued by the National Institute of Dental and Craniofacial Research (NIDCR), National Institutes of Health, will support clinical trial planning (R34) grants for the comprehensive planning, design and documentation of investigator-initiated Phase I, II, III, or IV interventional clinical trials. Interventional behavioral studies, sometimes referred to as Stage I, II, III or IV studies, are included. The R34 planning grant is designed to: (1) permit early peer review of the rationale for the proposed clinical trial; (2) permit early assessment of the design and implementation plans of the proposed trial; and (3) provide support for the development of a comprehensive clinical trial protocol and associated documents including a Manual of Procedures. The complete protocol and associated documents are required components of any subsequent clinical trial implementation (U01) application. The product of the R34 will be either an application for a clinical trial implementation cooperative agreement (U01) or a report summarizing the work completed and the reasons for not proceeding to a clinical trial implementation application. Pre-approval from the NIDCR is required for the submission of the R34 application.

Amount: varies

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-195.html>

Key Words: **Clinical Trials**

Innovation in Molecular Imaging Probes (R01)

PAR-09-016

National Institute of Biomedical Imaging and Engineering

National Institute on Aging

National Institute of Arthritis and Musculoskeletal and Skin Diseases

Eunice Kennedy Shriver National Institute of Child Health and Human Development

National Institute

This FOA is issued by the National Institute of Biomedical Imaging and Bioengineering, National Institutes of Health. This FOA is a follow up of a previous Roadmap RFA (RM-04-021 "Innovation in Molecular Imaging Probes"). The purpose of this initiative is to encourage the development of novel molecular imaging approaches that can detect and image specific molecular activities in vivo, and have the potential for clinical applications. Novel molecular imaging approaches developed through this initiative can focus on one (or both) of the following long-term translational goals: (1) imaging the characteristic markers, and function, of normal cells in control human subjects and patients, and (2) imaging the characteristic markers, and biochemical or physiological abnormalities, of disease cells in patients. Potential abnormalities that could provide early markers for disease include (but are not restricted to): inflammation, fibrosis, immune cell activation, altered signal transduction pathways, altered gene expression pathways, and altered post-translational modification of proteins. This initiative solicits applications that explore innovative "high-impact" approaches, rather than incremental technology development that is already supported by current NIH programs.

Amount: varies

LOI: December 21, 2010; April 21, 2010; August 21, 2010; April 20, 2011; August 21, 2011

Deadline: May 21, 2010; September 21, 2010; January 21, 2011; May 20, 2011; September 21, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-016.html>

Key Words: **Molecular Imaging Probes**

ARRA OS Recovery Act Limited Competition: Impact of Decision-Support Systems on the Dissemination and Adoption of Imaging-Related Comparative Effectiveness Findings (UC4)

RFA-OD-10-012

National Institute of Biomedical Imaging and Bioengineering (NIBIB/NIH)

The goal for this program is to accelerate dissemination and adoption of current imaging-related comparative effectiveness research findings by studying whether real-time decision support systems integrated into clinical health IT systems are an effective means of disseminating evidence-based findings. Successful adoption is considered to be an integrated system which is routinely used by clinicians as part of their workflow and efficiently and effectively assists them in making well-informed decisions. The long-term goal, beyond the scope of this program, is to provide models for how these systems can be incorporated into healthcare providers nationwide if they are shown to be an effective method for disseminating CER-findings.

With a project duration of only two years, applicants must have sufficient health IT infrastructure without existing clinical decision support systems incorporating CER findings to be in a position to meet the objectives of this announcement. Applicants are encouraged to work with institutions with clinical decision support systems incorporating CER findings and/or vendors to meet milestones. Healthcare systems in IDeA states and those serving vulnerable and underserved populations are strongly encouraged to apply.

Amount: \$1,000,000

LOI: April 5, 2010

Deadline: May 5, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-OD-10-012.html>

Key Words: **CER, Comparative Effectiveness Research**

Centers of Research Translation (P50)

RFA-AR-11-002

National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)

This Funding Opportunity Announcement (FOA), issued by the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), invites applications for Centers of Research Translation (CORT) (P50). It is expected that a CORT will have a disease-targeted translational theme with individual projects providing synergy for the theme, directed at elucidating the relevance of basic research to human disease in an area within the NIAMS mission. Two major features of the CORT program include: 1) the overarching aim of disease-specific research translation, and 2) the inclusion of resources and an administrative structure to facilitate research translation.

Amount: \$5,000,000

LOI: May 10, 2010; May 10, 2011

Deadline: June 10, 2010; June 10, 2011

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AR-11-002.html>

Key Words: **Clinical, Translational Research, Human Subject, Lupus, Scleroderma, SLE, Osteoarthritis, Psoriasis, Molecular Signal Pathways, Orthopedic Trauma Care**

Methods for Prevention Packages Program (MP3 II) (R01)

RFA-AI-10-005

National Institute of Allergy and Infectious Diseases Health (NIAID)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

National Institute of Mental Health (NIMH)

The National Institute of Allergy and Infectious Diseases, the National Institute of Alcohol Abuse and Alcoholism and the National Institute of Mental Health invite applications for multidisciplinary research programs that; (1) devise optimal HIV prevention packages (combination interventions) for specific populations, (2) perform pilot studies to demonstrate that the proposed prevention package is acceptable to the target population and the study design is appropriate and feasible, and (3) design clinical protocols to rigorously examine the safety and efficacy of these packages in the target population.

Amount: \$2,400,000

LOI: June 15, 2010

Deadline: July 15, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-10-005.html>

Key Words: **HIV Prevention**

Ancillary Studies in Clinical Trials (R01)

RFA-HL-10-024

National Heart, Lung, and Blood Institute (NHLBI)

The purpose of this Funding Opportunity Announcement (FOA) is to solicit research grant applications to conduct time-sensitive ancillary studies related to heart, lung, and blood diseases and sleep disorders in conjunction with ongoing clinical trials and other large clinical studies supported by NIH or non-NIH entities. The program establishes an accelerated review/award process to support the crucial time frame in which these ancillary studies must be performed. Time-sensitive ancillary studies include those that require active longitudinal data collection and thus need to begin recruiting subjects as close as possible to the start of the parent study. The ancillary study can address any research questions related to the mission of NHLBI for which the parent study can provide participants, infrastructure, and data. The parent studies most often will be a clinical trial, but also can be an observational study or registry that can provide a sufficient cohort of well-characterized patients. Each ancillary study application must demonstrate the time-sensitive nature of the proposal and must explicitly address why an expedited review is essential to its feasibility.

Amount: \$1,000,000

LOI: [April 28, 2010](#), [August 30, 2010](#), [December 28, 2010](#)

Deadline: May 28, 2010, September 30, 2010, January 28, 2011

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-10-024.html>

Key Words: **Clinical Trials**

Translational Programs in Lung Diseases (P01)

PAR-09-185

National Heart, Lung, and Blood Institute

This FOA issued by the NHLBI, National Institutes of Health, solicits Program Project Grant (P01) applications from institutions/organizations that will perform collaborative, translational research that moves mechanistic research to clinical applications to improve prevention, diagnosis and/or treatment of lung diseases and sleep disorders.

Amount: \$8,750,000

LOI: [April 25, 2010](#); [August 25, 2010](#); [April 25, 2011](#); [August 25, 2011](#); [April 26, 2012](#); [August 25, 2012](#)

Deadline: May 25, 2010; September 25, 2010; May 25, 2011; September 25, 2011; May 26, 2012; September 25, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-185.html>

Key Words: **Sleep Disorders, Lung Diseases**

NIH Clinical Trial Planning Grant Program (R34)

PA-09-186

National Eye Institute (NEI)

National Institute on Aging (NIA)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)

National Institute of Child Health and Human Development

This Funding Opportunity Announcement (FOA) invites applications under the NIH Clinical Trial Planning Grant Program, the purpose of which is to provide support for the development of a Phase III clinical trial. This includes the establishment of the research team, the development of tools for data management and oversight of the research, the definition of recruitment strategies, and the finalization of the protocol and other essential elements of the study included in a manual of operations/procedures. The Clinical Trial Planning Grant is not designed for the collection of preliminary data or the conduct of pilot studies to support the rationale for a clinical trial.

Amount: \$100,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-186.html>

Key Words: **Clinical Trials**

NEI Clinical Study Planning Grant Program (R34)

PAR-10-017

National Eye Institute (NEI)

The National Eye Institute (NEI) supports large-scale clinical vision research projects, including randomized clinical trials and epidemiologic studies. At the time of submission, applications requesting support for these activities are expected to provide detailed information regarding the study's rationale, design, analytic techniques, protocols and procedures, facilities and environment, organizational structure, and collaborative arrangements. This information is best conveyed in a well-documented Manual of Procedures (MOP), the development of which represents a costly and time-consuming activity. The Clinical Study Planning Grant is designed to facilitate activities central to the refinement of a study's protocol and procedures and the development of a detailed MOP. The NEI Clinical Study Planning Grant may be used to support the development of a MOP, as well as to conduct preliminary studies to refine study procedures and/or assess recruitment potential. The Clinical Study Planning Grant is applicable to both epidemiologic and clinical trial research studies.

Amount: \$300,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-017.html>

Key Words: **Vision, Clinical Trials**

Modification: This Notice modifies RFA-RM-10-001

NOT-RM-10-005

National Center for Research Resources (NCRR)

The purpose of this Notice is to modify the language of RFA-RM-10-001 with regard to research subject advocacy in the Regulatory Knowledge and Support section and in the review criteria, and to correct a reference to the RFA number in the Format of the Application section.

Amount:

LOI:

Deadline: Release Date: March 16, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-RM-10-005.html>

Key Words: **CTSA, Clinical and Translational**

Institutional Clinical and Translational Science Award (U54)

RFA-RM-10-001

National Center for Research Resources (NCRR)

The Clinical and Translational Science Award (CTSA) initiative assists institutions to create an integrated academic home for Clinical and Translational Science that has the resources to train and advance multi- and inter-disciplinary investigators and research teams with access to innovative research tools and information technologies that apply new knowledge and techniques to patient care. Clinical and Translational Science Awards (CTSAs) attract basic, translational, and clinical investigators, community clinicians, clinical practices, networks, professional societies, and industry to develop new professional interactions, programs, and research projects. Through innovative advanced degree programs, CTSAs foster the discipline of Clinical and Translational Science that is broader and deeper than their separate components (definitions of Clinical and Translational Science are provided in Section I of this document).

Amount: \$8,000,0000

LOI: September 14, 2010

Deadline: October 14, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-10-001.html>

Key Words: **CTSA, Clinical and Translational**

Centers of Excellence for Research on CAM (CERC) for Pain (P01)

RFA-AT-10-002

National Center for Complementary and Alternative Medicine, (NCCAM/NIH)

The purpose of this Funding Opportunity Announcement (FOA) is to support and enhance research on the application and use of promising complementary/alternative/integrative medicine (CAM/IM) modalities or approaches in the setting of chronic pain. Specifically, this FOA encourages applications for Centers comprised of three or four synergistic, R01-comparable projects by multidisciplinary research teams focused on the basic, mechanistic, and/or translational research questions that must be addressed in order to better understand the optimal application and use of CAM/IM interventions for treating or ameliorating chronic pain.

Amount: \$6,250,000

LOI: July 13, 2010

Deadline: August 13, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AT-10-002.html>

Key Words: **Pain Management**

Small Grants for Behavioral Research in Cancer Control (R03)

PA-09-003

National Cancer Institute (NCI)

National Institute of Nursing Research (NINR)

This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI) and the National Institute of Nursing Research (NINR), at the National Institutes of Health (NIH), is intended to provide support for either new investigators in cancer-related behavioral research, or investigators who want to refocus their research interests toward behavioral research in cancer control. The program is designed to facilitate the growth of a nationwide cohort of scientists with research experience in behavioral cancer control and design of public health interventions. Preliminary data for the proposed projects are not required. Overarching goals are to: (1) encourage new investigators to enter the field of behavioral research in cancer control and initiate their long-term career development aimed at becoming independent investigators in the field, and (2) support research on transfer of behavioral science knowledge into cancer control practice.

Amount: \$100,000

LOI: N/R

Deadline: August 20, 2010; December 20, 2010; April 20, 2011; August 22, 2011; December 20, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-003.html>

Key Words: **Cancer, Cancer Prevention, Cancer Control**

National Cancer Institute Program Project (P01) Applications

PAR-09-025

National Cancer Institute (NCI)

With this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI) invites applications for investigator-initiated program project (P01) grants. Proposed program projects may address any of the broad areas of cancer research, including (but not limited to) cancer biology, cancer treatment, cancer diagnosis, cancer prevention, and cancer control. Basic, translational, clinical, and/or population-based studies in all of these research areas are appropriate. Each Program Project application must consist of at least three component projects. The component projects must share a common central theme, focus, and/or overall objective.

Amount: varies

LOI: April 28, 2010; August 28, 2010; December 28, 2010; April 30, 2011; August 28, 2011

Deadline: May 28, 2010; September 28, 2010; January 28, 2011; May 27, 2011; September 28, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-025.html>

Key Words: **Cancer, Cancer Biology, Clinical Translational Research**

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**

The Clagett Family Research Grant

Foundation for Physical Therapy

The Clagett Family Research Grant is intended to fund research on interventions that use exercise to improve mobility and participation in older adults with multiple chronic conditions. The foundation encourages collaborative and multidisciplinary teams to apply for a grant.

Amount: \$300,000

LOI: March 1, 2010

Deadline: May 5, 2010

To learn more:

http://www.apta.org/AM/Template.cfm?Section=Awards_and_Scholarships&TEMPLATE=/CM/ContentDisplay.cfm&CONTENTID=67897

Key Words: **Exercise, Mobility, Physical Therapy, Aging**

Translational Research in Pediatric and Obstetric Pharmacology (R01) and (R03) and (R21)

PAR-09-154 and PAR-09-155 and PAR-09-156

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

This funding opportunity announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development encourages research grant applications to conduct studies to improve existing drug safety and efficacy, and to develop new drugs for pediatric and obstetric populations. The overall goals of this FOA are to support: (1) pharmacological studies addressing the special differences of drug actions and responses among children at various developmental stages, between children and adults, and between pregnant and non-pregnant women; (2) development of new drug targeting children and pregnant women; (3) multidisciplinary collaborations between basic and physician scientists to improve the use of therapeutics in obstetrics and pediatrics.

Amount: varies

LOI: Thirty days prior to application receipt date

Deadline: May 19, 2010, September 16, 2010, January 19, 2011, May 19, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-154.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-09-155.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-09-156.html>

Key Words: **Pediatric Pharmacology, Obstetric Pharmacology**

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/PA-07-221.html>

Key Words: **Addictions, Biomedical Research Training, Drug Abuse Treatment, Substance Abuse**

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**

Remote Patient Monitoring Diffusion Grants Program

Center for Technology and Aging

The center has announced the release of application guidelines for the Remote Patient Monitoring Diffusion Grants Program and is soliciting Letters of Intent from organizations interested in expanding the use of remote patient monitoring technologies to improve the health and safety of older adults.

The grant program will encourage use of technologies that 1) are used in the home and sub-acute care settings; 2) foster independent living and the ability to live in the setting of the patient's choice; 3) will lead to improvements in the cost and quality of care; and 4) help reduce the burden on formal and informal caregivers.

Amount: \$100,000

LOI: March 12, 2010

Deadline: April 30, 2010

To learn more: <http://www.techandaging.org/>

Key Words: **Remote Patient Monitoring, Independent Living, Aging**

Recovery Act Limited Competition: The NIH Director's ARRA Funded Pathfinder Award to Promote Diversity in the Scientific Workforce (DP4)

RFA-OD-10-013

All NIH Institutes and Centers participate in this NIH-wide announcement.

This NIH Funding Opportunity Announcement (FOA), supported by funds provided to the NIH under the American Recovery and Reinvestment Act of 2009 (Recovery Act or ARRA), Public Law 111-5, invites applications for the NIH Director's ARRA Pathfinder Award to Promote Diversity in the Scientific Workforce. The NIH recognizes a unique and compelling need to promote diversity in the biomedical, behavioral, clinical and social sciences research workforce. The NIH expects all of its efforts to diversify the workforce to lead to the recruitment of the most talented researchers from all groups; to improve the quality of the educational and training environment; to balance and broaden the perspective in setting research priorities; to improve the ability to recruit subjects from diverse backgrounds into clinical research protocols; and to improve the Nation's capacity to address and eliminate health disparities. This new FOA introduces a new research grant program to encourage exceptionally creative individual scientists to develop highly innovative and possibly transforming approaches for promoting diversity within the biomedical research workforce. To be considered highly innovative,

the proposed research must reflect ideas substantially different from those already being pursued or it must apply existing research designs in new and innovative ways to unambiguously identify factors that will improve the retention of students, postdocs and faculty from diverse backgrounds. Awardees must commit a major portion (generally 30% or more) of their research effort to activities supported by the Directors Pathfinder Award and the proposed research must be endorsed by the highest levels of institutional management.

Amount: \$2,000,000

LOI: April 5, 2010

Deadline: May 4, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-OD-10-013.html>

Key Words: **Workforce Diversity**

Prevention and Management of Healthcare Associated Infections (R18)

PA-10-089

Agency for Healthcare Research and Quality (AHRQ)

The purpose of this funding opportunity is to fund extramural health services research, demonstration, dissemination, and evaluation grants that propose to prevent and more effectively manage healthcare associated infections (HAIs).

Research priorities for this FOA are the: 1) development, implementation and demonstration of the prevention and management of HAIs, along with the determination of the costs of such interventions; 2) determination of the efficacy, effectiveness, and costs of preventative interventions; 3) population-level studies on the patient risk factors, clinical presentation, sources, and disease genotypes of antibiotic-resistant organisms that can result in perceived HAIs. The scientific and practical knowledge to be achieved through these research and demonstration efforts will identify the practical and cost-effective approaches to preventing and managing HAIs.

Amount: \$1,500,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-089.html>

Key Words: **Hospital Acquired Infections, HAI**

Aetna 2010 Grant Program

Aetna Foundation

For 2010, the foundation will focus its grant making on issues that improve health and the healthcare system in three areas: obesity (addressing the rising rate of obesity among U.S. adults and children); racial and ethnic healthcare equity (promoting equity in health and health care for common chronic conditions and infant mortality); and integrated health care (advancing high-quality health care by improving care coordination and communications among healthcare professionals, creating informed and involved patients, and promoting cost-effective, affordable care). Grant applications that address more than one of these areas will receive priority consideration.

Within the three program areas, the foundation will award the following types of grants: research grants to generate new knowledge, making use of either quantitative or qualitative techniques; project grants to test, apply, or disseminate new practices designed to improve health and health care; and policy grants to analyze and promote policies to ensure that programs and practices to improve health and health care can be replicated and disseminated broadly. In addition, the foundation will consider applications for sponsorship of fundraising events such as galas and walks, outreach activities (e.g., health fairs), and other community-based health and wellness initiatives aligned with the foundation's funding priorities.

Amount: up to \$250,000

LOI: Required for grant requests over \$50,000

Deadline: Quarterly

To learn more: <http://www.aetna.com/about-aetna-insurance/aetna-foundation/aetna-grants/grants-for-2010-and-beyond.html>

Key Words: **Obesity, Racial and Ethnic Health Care Equity, Integrated Health Care**

AACR-FNAB Fellows Grant for Translational Pancreatic Cancer Research

American Association for Cancer Research (AACR)

One-year grant of \$35,000. Research projects are restricted to translational pancreatic cancer research that includes the use of human tissue and has implications for therapeutic application and individualized medicine. Proposed research must have implications for individualized cancer treatment and must make use of human biopsies or samples, such as needle biopsies or circulating cancer cells. In vivo primary tumor explants meet these criteria, but xenografts from established cell lines do not.

Amount: \$35,000

LOI: N/R

Deadline: November 18, 2010

To learn more: <http://www.aacr.org/home/scientists/research-funding--fellowships/fellows-grants.aspx>

Key Words: **Pancreatic Cancer**

Pediatrics

FY 2010 AFRI Childhood Obesity Prevention

New

USDA-NIFA-AFRI-003037

U.S. Department of Agriculture (USDA)

National Institute of Food and Agriculture (NIFA)

This RFA focuses on the societal challenge to end child obesity. In the Childhood Obesity Prevention Challenge Area RFA, specific program areas are designed to achieve the long-term outcome of reducing the prevalence of overweight and obesity among children and adolescents. Project types supported by AFRI within this RFA include single-function Research, Education, and Extension Projects, multi-function Integrated Research, Education, and/or Extension Projects, and Food and Agricultural Science Enhancement (FASE) Grants.

Amount: \$5,000,000

LOI: N/R

Deadline: June 29, 2010

To learn more: http://nifa.usda.gov/funding/rfas/pdfs/10_afri_obesity.pdf

Key Words: **Childhood Obesity**

Research on Autism and Autism Spectrum Disorders (R01), (R03), and (R21)

New

PA-10-158, PA-10-159, and PA-10-160

National Institutes of Health (NIH)

multiple institutes

This funding opportunity announcement (FOA) encourages research grant applications to support research designed to elucidate the etiology, epidemiology, diagnosis, treatment, and optimal means of service delivery in relation to autism spectrum disorders (ASD). Basic, clinical, and applied studies are encouraged. This FOA is intended to support the broad research goals of the Strategic Plan for ASD Research (<http://iacc.hhs.gov/reports/2009/iacc-strategic-plan-for-autism-spectrum-disorder-research-jan26.shtml>).

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-158.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-159.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-160.html>

Key Words: **Autism, Autism Spectrum Disorders, ASD**

Child Health Research Career Development Award (CHRCDA) Program [K12]

New

RFA-HD-10-007

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

This funding opportunity announcement (FOA) issued by Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institutes of Health, solicits applications for institutional research career development (K12) programs from applicant organizations that propose to continue to support a national program of mentored institutional career development programs for junior faculty who have recently completed postgraduate clinical training in Pediatrics, and are committed to launching an independent research career. The program provides supervised research training to assist junior faculty in their transition into productive, physician scientists in areas related to pediatrics and its subspecialties.

Amount: \$2,000,000

LOI: May 10, 2010

Deadline: June 9, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-10-007.html>

Key Words: **Pediatric Research**

Children's Cancer Research Fund Annual Grant Program

New

Children's Cancer Research Fund

The Children's Cancer Research Fund, which provides support on a national level for clinical research in the field of childhood cancer, is accepting applications for its annual research grant program focused on the diagnosis, treatment, and side effects of therapy of childhood cancer.

The purpose of this grant program is to support investigators at the postdoctoral level (M.D. or Ph.D.) in the conduct of innovative pilot clinical studies that have the potential to develop new insights into clinical aspects of childhood cancer. Applications by senior fellows and junior faculty investigators are particularly encouraged.

The research proposal should be in the area of clinical pediatric cancer. Proposals addressing prognostic factors, diagnosis, innovative clinical therapeutic trials, minimal residual disease detection and treatment, and long-term effects of therapy and disease will be considered.

The principal investigator should be at a postdoctoral level (M.D. or Ph.D.). Senior fellows or junior faculty with or without limited funds, but showing a potential to successfully compete for federal grants, will be given priority. Applications from well-funded senior investigators will not be considered.

Amount: \$40,000

LOI: N/R

Deadline: June 16, 2010

To learn more: <http://www.ccrf-kids.org/research.htm>

Key Words: **Pediatric Cancer**

2010-11 Scholars Program in Youth Settings Research

William T. Grant Foundation

An initiative of the William T. Grant Foundation, the William T. Grant Scholars Program is accepting applications from promising early-career researchers who want to tackle questions important to theory and either policy or practice for improving youth settings.

The program is designed to support promising early-career researchers from diverse disciplines who have demonstrated success in conducting high-quality research and are seeking to further develop and broaden their expertise. The foundation is interested in applicants trained across a range of social, behavioral, and health sciences. Applicants must submit a project that is consistent with the foundation's current research interests: addressing issues that have compelling relevance for theory and policies or practices affecting the settings of youth between the ages of 8 and 25 in the United States or a vulnerable sub-population of those youth.

Amount: \$350,000

LOI: N/R

Deadline: July 7, 2010

To learn more: http://www.wtgrantfoundation.org/funding_opportunities/fellowships/william_t_grant_scholars

Key Words: **Settings, Youth Development, Youth Policy, Identity Development**

Department of Defense Autism Research Program

U.S. Army Medical Research

The FY09 ARP encourages proposals that specifically address critical needs of the Autism Spectrum Disorders (ASD) community in the following areas (Revised for FY09):

- Co-morbidity: (e.g., manifestations such as disorders [gastrointestinal, sleep, behavioral, speech/language], psychiatric, seizures, immune dysfunction, motor and sensory deficits, metabolic dysfunction, and effects of ASD on intellectual ability)

- Predictors for Treatment Outcomes: Identification of biomarkers, clinical characteristics, or other phenotypic markers that predict outcomes of a treatment, or populations that will or will not respond to a treatment (traditional or complementary and alternative)

FY09 ARP program announcements and application instructions for the following award mechanisms are anticipated to be posted and available on Grants.gov in February 2009.

Amount: \$750,000

LOI: pre-application required

Deadline: posting early February

To learn more: <http://cdmrp.army.mil>

Key Words: **Autism, Autism Spectrum Disorders, ASD**

Healthy Eating Research: Building Evidence to Prevent Childhood Obesity

Robert Wood Johnson Foundation (RWJF)

Healthy Eating Research is a national program of the Robert Wood Johnson Foundation (RWJF). The program supports research on environmental and policy strategies with strong potential to promote healthy eating among children to prevent childhood obesity, especially among lower-income and racial and ethnic populations at highest risk for obesity. Findings are expected to advance RWJF's efforts to reverse the childhood obesity epidemic by 2015.

The three types of funding opportunities included in this call for proposals (CFP) are Round 5 grants, rapid-response grants and New Connections grants through Healthy Eating Research. The broad topics and types of studies are described in the complete CFP.

Amount: \$up to \$170,000

LOI: N/R

Deadline: May 13, 2010 for Round 5 Grants and New Connections

March 15-September 1, 2010 for Rapid-Response Grants

To learn more: <http://www.rwjf.org/applications/solicited/cfp.jsp?ID=20922>

Key Words: **Childhood Obesity**

Genetic Susceptibility and Variability of Human Structural Birth Defects (R01)

PA-08-011

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:

Young Children With Mild to Severe Hearing Loss (R01)

PA-07-399

National Institutes of Health (NIH)

National Institute on Deafness and Other Communication Disorders (NIDCD)

This FOA encourages research applications from institutions and organizations addressing research needs on the young child (infants and children) with mild to severe hearing loss. Development, refinement, or modification of measurement tools for young children with hearing loss is also encouraged.

Amount: unspecified

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-399.html>

Key Words: **Deafness, Hearing**

NIH Small Research Grant Program (Parent R03)

PA-10-064

National Institutes of Health (NIH)

multiple institutes

The National Institutes of Health (NIH) Investigator-Initiated Small Grant (R03) funding opportunity supports small research projects that can be carried out in a short period of time with limited resources. Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigator's area of interest and competency. All investigator-initiated small grant applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests. Investigators are strongly encouraged to consult the list of participating ICs and special research interests. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.

Amount: \$100,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-064.html>

Key Words: **Genome Research, Drug Abuse, Aging, Child Health and Development, Nursing**

Alcohol, Decision-Making, and Adolescent Brain Development (R01) and (R21)

PA-09-097

PA-09-096

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

This FOA issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Research Project grants (R01) applications from institutions/organizations that propose to study decision-making processes in adolescents as they relate to drinking behavior, and the role of neural circuitry development in adolescent decision-making and alcohol abuse and dependence.

Amount: unspecified

LOI: N/R

Deadline: Standard dates apply

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**

Advancing Palliative Care Research for Children Facing Life-Limiting Conditions (R01) and (R21)

RFA-NR-10-006 and RFA-NR-10-007

National Institute of Nursing Research (NINR)

This FOA issued by the National Institute of Nursing Research solicits Research Project Grant applications using the R01 mechanism from institutions / organizations that propose to conduct biobehavioral research in palliative and end-of-life care for children, infants, and neonates. Designs and Methods aimed at the reduction of suffering and the improvement of quality of life for children facing life-limiting conditions and their parents, including the sequela of accidents are encouraged. Applications to help children cope with the loss or potential loss of a parent or significant other are also welcomed. Scientists are encouraged to develop cross-disciplinary teams to test interventions which may be quickly translated into pediatric palliative care practice.

Amount: \$2,500,000

LOI: April 17, 2010

Deadline: May 17, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-NR-10-006.html>

Key Words: **Children, Palliative Care**

Basic and Clinical Studies of Congenital Urinary Tract Obstruction (R01)

PA-09-226

National Institute of Diabetes and Digestive and Kidney Diseases

Eunice Kennedy Shriver National Institute of Child Health and Human Development

This Program Announcement is sponsored by the NIDDK and the NICHD. Congenital obstructive uropathy is one of the major causes of chronic kidney disease and end stage renal disease (ESRD) in infants and children. The pathogenesis of this disorder, however, remains poorly understood. Many controversies and clinical uncertainties exist in the detection, prognosis, and effective treatment strategies for this condition. The impact of early fetal detection and neonatal intervention, the long-term effects of watchful waiting and the various surgical interventions have not been well studied and documented. There is also no consensus on the indications for, or ideal timing of surgical intervention. The purpose of this funding opportunity is to address the numerous scientific and clinical uncertainties related to the development, treatment and prognosis of congenital obstructive uropathy, by encouraging and facilitating research in diverse areas. These areas include: the development of objective prognostic markers; the genetic determinants of this congenital disorder; the development of reliable animal models of the disorder; and, evaluation of the long-term effectiveness of various treatment strategies.

Amount: \$2,500,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-226.html>

Key Words: **Congenital Obstructive Uropathy, Kidney Disease, End Stage Renal disease**

Home and Family Based Approaches for the Prevention or Management of Overweight or Obesity in Early Childhood (R21) and (R01)

PA-10-128 and PA-10-127

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

National Heart, Lung and Blood Institute (NHLBI)

Office of Behavioral and Social Sciences Research (OBSSR)

Office of Disease Prevention (ODP)

This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Heart, Lung and Blood Institute (NHLBI), the Office of Behavioral and Social Sciences Research (OBSSR) and the Office of Disease Prevention (ODP), National Institutes of Health, invites exploratory pilot/feasibility study and small clinical trial (R21) applications from institutions/organizations that propose to test novel home or family based interventions for the prevention or management of overweight in infancy and early childhood. Tested interventions can use behavioral (including dietary and physical activity), environmental, or other relevant approaches. Applications should focus on infants and young children (to age six years) and emphasize the role of home environment and the influence of family/extended family members and parents (including guardians/substantial care-providers) within the child's home environment. The direct goal of this initiative is to fund research that will advance knowledge for innovative approaches to the prevention or management of overweight in children less than 6 years of age, with potential for future research clinical trial applications either in the home or linked to a community setting. Research should consider the role of families in the initiation, support, and reinforcement of fundamental food and beverage consumption, physical activity practices, and sedentary behaviors. In addition it is of interest to elucidate various underlying behavioral determinants that are crucial to initiate or sustain changes in behaviors that impact energy balance. Research designs may include linkages with other settings (e.g., daycare, pre-school, or other community venues) or other care providers (e.g., health care providers or teachers) but must include infants or

children less than age six years as the primary study participant along with parents, and/or other family members residing with the child. The overarching goal is to identify interventions that influence parent and child behaviors that contribute to inappropriate weight gain, and thereby improve subsequent health status in childhood, adolescence, and adulthood for which overweight is a known risk factor.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-128.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-127.html>

Key Words: **Obesity**

Adherence Studies in Adolescents with Chronic Kidney or Urologic Diseases, or Diabetes (R01)

RFA-DK-10-004

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

Adherence to a prescribed treatment regimen, including medications, devices and behavioral recommendations, can significantly impact morbidity and mortality for patients with chronic diseases, including chronic kidney or urologic disease and diabetes. When adherence to complex and seemingly rigid treatment regimens is poor, the results can be tragic. Adolescence can also be a particularly challenging time for adherence given the competing demands in an adolescents life, the unique developmental changes, and rapidly changing set of responsibilities as they transition to adulthood. There are few studies in pediatrics beyond the HIV literature that address non-adherence. The purpose of the FOA is to support research to improve adherence in adolescents with chronic kidney or urologic diseases, or diabetes. Therefore, the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) invites applications from new or established investigators to pursue research to better understand factors that influence adherence, develop appropriate measures of adherence, and test innovative strategies to enhance adherence in this vulnerable population.

Amount: \$2,500,000

LOI: October 18, 2010

Deadline: November 15, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-10-004.html>

Key Words: **Diabetes, Kidney Disease, Adolescents**

Deletion of Letters of Intent Information for Home and Family Based Approaches for the Prevention or Management of Overweight or Obesity in Early Childhood Program Announcements (PA-10-127 and PA-10-128)

NOT-DK-10-002

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

This Notice is to inform the scientific community that the NIDDK is amending PA-10-127: Home and Family Based Approaches for the Prevention or Management of Overweight or Obesity in Early Childhood (R01) and PA-10-128: Home and Family Based Approaches for the Prevention or Management of Overweight or Obesity in Early Childhood (R21) to reflect that Letters of Intent (LOIs) are not required for and are not applicable to these funding opportunity announcements (FOAs).

Amount:

LOI:

Deadline: Release Date: March 16, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-DK-10-002.html>

Key Words: **Obesity, Children**

Notice of Intent to Publish a Request for Applications for The Pediatric Heart Network (U10)

NOT-HL-11-104

National Heart, Lung, and Blood Institute (NHLBI)

The National Heart, Lung, and Blood Institute (NHLBI) and the Canadian Institutes of Health Research (CIHR) intend to issue a new Funding Opportunity Announcement (FOA) to solicit invitations to participate in the Pediatric Heart Network (PHN), a cooperative network of pediatric cardiovascular clinical research centers.

This Notice is being provided to allow potential applicants sufficient time to develop meaningful collaborations and responsive projects. The FOA is expected to be published in June 2010 with an expected receipt date in October 2010.

Amount:

LOI:

Deadline: Released March 5, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-HL-11-104.html>

Key Words: **Pediatric Heart Disease**

Mayday Fund of New York

Mayday Fund of New York

The Mayday Fund is dedicated to alleviating the incidence, degree, and consequence of human physical pain.

Amount: \$2,000-\$500,000

LOI: N/R

Deadline: Continuous

To learn more: <http://www.maydayfund.org/>

Key Words: **Pain, Pain Alleviation**

YEAR 2011 MARCH OF DIMES RESEARCH PROGRAM

March of Dimes

We invite all qualified scientists with faculty appointments or the equivalent, at universities, hospitals and research institutions, to submit applications for research grants directed at the prevention of birth defects. Research subjects appropriate for support by the March of Dimes include basic biological processes governing development, genetics, clinical studies, studies of reproductive health, environmental toxicology, and social and behavioral studies.

Amount: \$300,000

LOI: April 30, 2010

Deadline: by invitation only

To learn more: http://www.marchofdimes.com/professionals/691_14434.asp

Key Words: **Birth Defects, Environmental Toxicology, Genetics, Reproductive Health**

Community-Based Partnerships for Childhood Obesity Prevention and Control: Research to Inform Policy (R03) and (R21)

PA-09-140 and PA-09-141

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

National Cancer Institute (NCI)

National Heart, Lung, and Blood Institute (NHLBI)

Office of Behavioral and Social Sciences Research (OBSSR)

National Center for Chronic

The purpose of this funding opportunity announcement (FOA) issued by the NICHD is to enhance childhood obesity research by fostering the formation of local, state, or regional teams consisting of researchers, policymakers, and other relevant stakeholders (e.g., community representatives, public health practitioners or officials, educators) in order to identify research questions and hypotheses, design and implement the relevant research, and translate the research into evidence relevant to potential policy efforts in this area. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.

Amount: \$100,000-\$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-140.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-141.html>

Key Words: **Childhood Obesity, Public Policy**

Translational Research in Pediatric and Obstetric Pharmacology (R01) and (R03) and (R21)

PAR-09-154 and PAR-09-155 and PAR-09-156

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

This funding opportunity announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development encourages research grant applications to conduct studies to improve existing drug safety and efficacy, and to develop new drugs for pediatric and obstetric populations. The overall goals of this FOA are to support: (1) pharmacological studies addressing the special differences of drug actions and responses among children at various developmental stages, between children and adults, and between pregnant and non-pregnant women; (2) development of new drug targeting children and pregnant women; (3) multidisciplinary collaborations between basic and physician scientists to improve the use of therapeutics in obstetrics and pediatrics.

Amount: varies

LOI: Thirty days prior to application receipt date

Deadline: May 19, 2010, September 16, 2010, January 19, 2011, May 19, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-154.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-09-155.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-09-156.html>

Key Words: **Pediatric Pharmacology, Obstetric Pharmacology**

Eunice Kennedy Shriver NICHD Cooperative Multicenter Neonatal Research Network (U10)

RFA-HD-10-003

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

The FOA issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) invites applications from investigators willing to participate with the NICHD under a cooperative agreement in an ongoing multi-center clinical program designed to investigate problems in neonatal medicine, particularly those related to low birth weight, prematurity, and common neonatal medical problems.

Amount: \$1,000,000

LOI: May 1, 2010

Deadline: June 1, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-10-003.html>

Key Words: **Neonatal Medicine**

Eunice Kennedy Shriver NICHD Maternal Fetal Medicine Units Network (U10)

RFA-HD-10-008

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) invites applications from investigators willing to participate with the NICHD under a cooperative agreement in an ongoing multi-center clinical program designed to investigate problems in clinical obstetrics, particularly those related to prevention of low birth weight, prematurity, and medical problems of pregnancy.

Amount: \$1,000,000

LOI: May 1, 2010

Deadline: June 1, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-10-008.html>

Key Words: **Neonatal Medicine**

Mechanisms of Adverse Drug Effects in Children [(R01)PAR-08-248] and [(R03)PAR-08-249]

PAR-08-248 and PAR-08-249

Eunice Kennedy Shriver National Institute of Child Health and Human Development
National Institute on Drug Abuse

This FOA encourages projects that enhance the state-of-the-science on the molecular and cellular, genetic and epigenetic mechanisms involved in the production of adverse drug reactions in children. This FOA will utilize the NIH Research Project Grant (R01 grant) award mechanism and runs in parallel with an FOA of identical scientific scope, PAR-08-249, that solicits applications under the R03 grant mechanism.

Amount: varies

LOI: April 23, 2010

Deadline: May 20, 2010

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**

Pharmacokinetic Research in Pediatric HIV/TB Co-Infection (R01) and (R21)

RFA-HD-09-015 and RFA-HD-09-016

Eunice Kennedy Shriver National Institute of Child Health and Human Development
National Institute of Mental Health (NIMH)

This Funding Opportunity Announcement (FOA), issued by the National Institute of Child Health and Human Development (NICHD) and the National Institute of Mental Health (NIMH), encourages Research Project Grant (R01) applications from institutions/organizations that propose to evaluate the pharmacokinetics of anti-tuberculosis (anti-TB) drugs and pharmacokinetic drug interactions between anti-TB drugs and anti-HIV medications, and to potentially provide preliminary data regarding the effect of such pharmacokinetic parameters on the outcome of treatment in children with HIV/TB co-infection. Pediatric research in these areas lags far behind that in adults due to the many challenges surrounding the diagnosis and management of TB disease in children. Research related to the treatment of TB in the context of pediatric HIV/TB co-infection is urgently needed. This FOA will support grants to define appropriate dosing of anti-TB agents in HIV-infected children and that will generate knowledge regarding the optimization of management of TB/HIV co-infection in children, including the management of central nervous system (CNS) involvement with TB through the evaluation of CNS penetration of anti-TB agents in the context of antiretroviral therapy.

Amount: \$2,000,000; varies with project

LOI: July 24, 2010

Deadline: August 24, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-09-015.html> and <http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-09-016.html>

Key Words: **TB, HIV, Treatment, Anti-Tuberculosis Drugs, Pharmacokinetics**

Research on Emergency Medical Services for Children (R01)

PAR-08-261

Eunice Kennedy Shriver National Institute of Child Health and Human Development
Agency for Healthcare Research and Quality
National Institute of Mental Health
National Institute of Nursing Research

This multi-agency program Funding Opportunity Announcement (FOA) is designed to improve the quality and quantity of research related to emergency medical services for children (EMSC), with the goal of reducing morbidity and mortality in children through improved care delivery. This FOA invites the submission of applications dealing with the following areas of research included under the term EMSC: prevention research to reduce the need for emergency care; clinical research to ensure that children receive high-quality and appropriate medical, nursing and mental health care in an emergency; health systems research, from pre-hospital care, to the emergency department, to in-patient care and return to the community; models to improve service and cost efficiency in pediatric emergency care; and methodological studies to improve the quality of research conducted.

Amount: \$2,500,000

LOI: August 15, 2010

Deadline: September 15, 2010

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-261.html>

Key Words: **Emergency Medical Services for Children**

Fiscal Year 2010 (FY10) Autism Research Program (ARP)

W81XWH-10-ARP-CTA

W81XWH-10-ARP-IDA

W81XWH-10-ARP-RDA

W81XWH-10-ARP-EHDA

DOD

Congressionally Directed Medical Research Programs (CDMRP)

The mission of this program is to promote innovative research that advances the understanding of autism spectrum disorder and leads to improved treatment outcomes. Opportunities are available in the following areas.

Clinical Trial Award

Idea Development Award

Resource Development Award

Exploration-Hypothesis Award

Amount: up to \$1,000,000

LOI: March 31, 2010; June 10, 2010 for Exploration-Hypothesis Award

Deadline: July 28, 2010; July 1, 2010 for Exploration-Hypothesis Award

To learn more: <http://cdmrp.army.mil/funding/arp.htm>

Key Words: **Autism**

Family Services Community Grants Program

Autism Speaks

Autism Speaks is accepting grant applications for its Family Services Community Grants program for projects that promote services that enhance the lives of those affected by autism spectrum disorders. The focus of these grants will be on proposals that serve to build the field of services for individuals with autism and expand the capacity to effectively serve this growing community.

Autism Speaks will accept family services community grant proposals that address one of three areas of need — education, recreation/community activities, and young adult/adults services. Successful applicants will apply grant funding to support new programs or the expansion of existing projects.

Amount: up to \$25,000

LOI: June 10, 2010

Deadline: June 25, 2010

To learn more: http://www.autismspeaks.org/community/family_services/grants.php

Key Words: **Autism, ASD, Autism Spectrum Disorders**

Pharmacy and Pharmacology Research

Grants for Alzheimer's Disease Drug Discovery (R21)

New

PAS-10-151

National Institute on Aging (NIA)

The goal of this FOA is to advance the discovery of new, efficacious therapies for the treatment, delay of progression, or prevention of Alzheimer's disease (AD), mild cognitive impairment (MCI) and age-related cognitive decline. This FOA encourages the early stages of drug discovery necessary to identify promising disease-modifying therapies as well as treatments aimed at ameliorating the cognitive and neuropsychiatric/behavioral symptoms characteristic of Alzheimer's disease. Studies aimed at the discovery and testing of therapies directed at a variety of established as well as novel therapeutic targets are encouraged. The goal is not to duplicate or compete with pharmaceutical companies but to encourage the process of discovering new, innovative, and effective therapeutics for the prevention and treatment of the cognitive impairment and behavioral symptoms associated with Alzheimer's disease.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAS-10-151.html>Key Words: **Alzheimer's Disease****NINDS Exploratory/Developmental Projects in Translational Research for Resistant Epilepsy and Epileptogenesis (R21)****New**

PAR-10-143

National Institute of Neurological Disorders and Stroke (NINDS)

This funding opportunity announcement (FOA), from the National Institute of Neurological Disorders and Stroke (NINDS) encourages applications for projects intended to complete preliminary steps in the pipeline for the preclinical development of therapeutics to cure epilepsy, prevent the emergence of epilepsy following brain injury (including status epilepticus, traumatic brain injury, stroke, encephalitis, or other injury) or in other high-risk groups, or to better treat individuals with intractable epilepsy. Such projects, if successful, should lead directly to a subsequent project that will include all remaining activities for submission of an Investigational New Drug (IND) or Investigational Device Exemptions (IDE) application to the Food and Drug Administration (FDA). Only Aims required for therapy development can be supported in this program. This program excludes clinical research, basic research, and studies of disease mechanisms.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-143.html>Key Words: **Epilepsy****Alzheimer's Disease Drug Discovery Research****New**

Edward N. & Della L. Thome Memorial Foundation, Bank of America

The Edward N. & Della L. Thome Memorial Foundation was created in 2002 to advance the health of older adults through the support of direct service projects and medical research on diseases and disorders affecting older adults. In keeping with the Foundation's mission, we are pleased to announce a new Awards Program in Alzheimer's disease (AD) research. The goal of the Awards Program is to support innovative drug discovery research that will lead to improved therapies for individuals suffering from Alzheimer's disease. Basic research or new target discovery, genetic studies, biomarker research, neuroimaging, and clinical studies are currently outside the scope of this Program.

Amount: \$750,000

LOI: N/R

Deadline: June 15, 2010

To learn more: <https://www.bankofamerica.com/philanthropic/foundation.action?fnld=25>Key Words: **Alzheimer's Disease****Advancing Regulatory Science through Novel Research and Science-Based Technologies (U01)**

RFA-RM-10-006

National Institutes of Health (NIH)

U.S. Food and Drug Administration (FDA)

This FOA, issued by the National Institutes of Health, encourages applications from institutions/organizations that propose to study the applicability of novel technologies and approaches towards the development and regulatory review of medical products (including drugs, biologics, and devices). This regulatory science initiative will foster the development, evaluation and availability of new or improved tools, methods, standards, and applied science that support a better understanding and improved evaluation of product safety, quality, effectiveness, and manufacturing throughout the product life cycle. This area of science has knowledge gaps that

deserve special emphasis and would benefit from strategic coordination and planning by NIH and FDA. Advances in this area depend on the incorporation of cutting-edge science and evidence-based knowledge into regulatory decision making. Support through this FOA for regulatory science research will facilitate the translation of biomedical discoveries to improve prevention, treatment, and diagnosis of human health problems.

Amount: \$1,125,000

LOI: March 27, 2010

Deadline: April 27, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-10-006.html>

Key Words: **Drugs, Biologics, Devices, FDA, Medical Product Development and Evaluation**

Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellows in PharmD/PhD Programs (F31)

PA-09-029

National Institutes of Health (NIH)

The National Institute of General Medical Sciences (NIGMS) will provide individual predoctoral research training fellowship awards to promising pharmacy students who are enrolled in a PharmD/PhD degree program whose dissertation projects are in areas relevant to the research mission of NIGMS. Applicants must have a baccalaureate degree and must be enrolled in a formally combined PharmD./PhD program in the biomedical, behavioral, or clinical sciences. Applicants must be at the dissertation research stage of their doctoral training. Applicants must also show evidence of both high academic performance in the sciences and substantial interest in areas of high priority to NIGMS.

Amount: annual stipend (\$20,772)

LOI: N/R

Deadline: Standard dates for Individual Kirschstein-NRSA awards apply.

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-029.html>

Key Words: **Fellowship, Pre-Doctoral, Thesis, PharmD/PhD**

Developmental Pharmacology (R03)

PAR-08-215

National Institutes of Health (NIH)

The purpose of this initiative is to encourage research to enhance our understanding of influences of development on mechanisms of drug action, pharmacodynamics, and drug biotransformation, prenatally and from birth through adolescence in appropriate in vivo or in vitro experimental systems including both human and animal models. In addition, because drugs are now being developed which target specific receptors or modulators (including those which may influence both safety and efficacy endpoints), it is imperative to determine their functional expression across the course of development. Successful applications should be designed around a central theme of ontogeny of processes, including cell division and differentiation, that have pharmacologic and clinical relevance, with emphasis on the interaction or relationships between these processes (e.g., drug metabolism and drug transport, receptors and ion channels, receptors and pharmacologic ligands) and application to the study of drugs in children and developing animals.

Amount: \$100,000

LOI: Optional letters of intent are due April 23, 2010

Deadline: May 21, 2010

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-215.html>

Key Words: **Pharmacology**

Behavioral and Integrative Treatment Development Program (R01) and (R03) and (R34)

PA-10-012 and PA-10-011 and PA-10-013

National Institute on Drug Abuse (NIDA)

National Institute on Alcoholism and Alcohol Abuse (NIAAA)

National Institute of Nursing Research (NINR)

The purpose of this FOA for R01 applications is to encourage Stage II or Stage III research to conduct clinical trials, examine mechanisms of behavior change, determine dose-response, optimize combinations, and/or ascertain best sequencing of behavioral, combined, sequential, or integrated behavioral and pharmacological (1) drug abuse treatment interventions, including interventions for patients with comorbidities, in diverse settings; (2) interventions to prevent the acquisition or transmission of HIV infection among individuals in drug abuse treatment; (3) interventions to promote adherence to drug abuse treatment, HIV and addiction medications; and (4) interventions to treat chronic pain.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-012.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-011.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-013.html>

Key Words: **Clinical Trials, Drug Abuse Treatment, HIV and Addictions**

Medications Development for Substance Related Disorders (R01)

RFA-DA-10-018

National Institute on Drug Abuse (NIDA)

The National Institute on Drug Abuse (NIDA) is soliciting grant (R01) applications to support a diverse array of preclinical and/or clinical research projects that accelerate the translational discovery/development of safe and effective medications for the treatment of substance-related disorders (SRDs), with the ultimate goal of moving closer to, or gaining FDA approval of medications for the treatment of these disorders.

Amount: \$5,000,000

LOI: March 29, 2010

Deadline: April 29, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-018.html>

Key Words: **SRDs, Substance Related Disorders**

2010 NIDA Translational Avant-Garde Award for Medication Development for Diseases of Addiction (DP1)

RFA-DA-10-013

National Institute on Drug Abuse (NIDA)

The NIDA Translational Avant-Garde Award is designed to support dedicated and talented basic and/or clinical researchers with the vision, drive and expertise necessary to translate research discoveries into medications for the treatment of diseases of addiction. Through this funding FOA, the National Institute on Drug Abuse (NIDA) is committed to making significant advances in the development of safe and efficacious products for the treatment of disorders stemming from tobacco, cannabis, cocaine, methamphetamine, heroin, or prescription opiate use or abuse. These products can be pharmaceuticals (small molecules) or biologics. Biologics include medicinal products such as vaccines and recombinant therapeutic proteins created by biological processes. Applications may focus on the pharmacotherapy of one or various disorders. Applications may also focus on the specific symptoms of the disorder such as withdrawal, craving or relapse. Testing of new formulations of marketed medications that are available for other indications, or new combinations of existing medications, which may be promising candidates for the treatment of diseases of addiction is within the scope of this FOA. The 2010 Translational Avant-Garde Award competition will proceed in two phases. The first phase is a pre-application phase in response to PAR-10-095. Pre-applications will be evaluated by a group of external reviewers. Those investigators whose submissions are judged to be the most outstanding will be notified of the opportunity to submit full applications under this FOA (DP1).

Amount: \$10,000,001

LOI: N/R

Deadline: July 2, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-013.html>

Key Words: **Substance Abuse, Treatment**

Medications Development for the Treatment of Pregnant/Postpartum Women with Substance Related Disorders and/or In Utero Substance Exposed Neonates (R01) and (R21)

PA-09-106 and PA-09-107

National Institute on Drug Abuse

The purpose of this FOA is to foster the development of novel pharmacological strategies for the treatment of pregnant/postpartum women with Substance Related Disorders (SRDs) and/or in utero substance exposed neonates. To that end, this FOA issued by NIDA, National Institutes of Health, will encourage applications to implement preclinical and clinical research directed towards: 1) the identification, evaluation, and development of safe and effective novel pharmacotherapies (e.g., new chemical entities or immunotherapies) for the treatment of pregnant/postpartum women with SRDs and/or in utero substance exposed neonates, and/or 2) the evaluation of the safety and efficacy of FDA approved medications (e.g., medications approved for a different indication) for the treatment of pregnant/postpartum women with SRDs and/or in utero substance exposed neonates.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-106.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-107.html>

Key Words: **Fetal Maternal Health, Substance Abuse**

Medications Development for Polydrug Addiction Treatment [(R01) PAS-08-186] and [(R21) PAS-08-187]

PAS-08-186 and PAS-08-187

National Institute on Drug Abuse

The National Institute on Drug Abuse (NIDA) is seeking medication discovery and development research grant applications focused on the treatment of patients who are simultaneously addicted to multiple substances, including alcohol, tobacco, illicit drugs and/or

prescription drugs. Novel proposals for clinical or preclinical testing of potential medications, as well as relevant animal model development and medicinal chemistry efforts are encouraged.

Amount: \$2,500,000

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAS-08-186.html> and <http://grants.nih.gov/grants/guide/pa-files/PAS-08-187.html>

Key Words: **Drug Abuse, Drug Development**

Alzheimer's Disease Drug Development Program (U01)

PAR-08-266

National Institute on Aging (NIA)

The objective of this solicitation is to stimulate research in the pre-clinical development and testing of novel therapeutic compounds aimed at slowing, halting, or reversing the progressive decline in cognitive function and modifying the behavioral symptoms in Alzheimer's disease (AD); or delaying the onset of or preventing AD, mild cognitive impairment (MCI), or age-related cognitive decline. This initiative is intended to stimulate activities focused on providing sufficient data to submit an Investigational New Drug (IND) application to the Food and Drug Administration to begin human clinical testing of potential new therapies. For this program neither mechanistic/basic studies nor clinical trials will be supported; only applications to develop a therapy will be accepted.

Amount: \$4,000,000

LOI: September 1, 2010, October 1, 2010, January 3, 2011, February 1, 2011, September 1, 2011 and October 3, 2011. (Note: The October and February letters of receipt dates are for amended applications only).

Deadline: October 1, 2010, November 1, 2010, February 1, 2011, March 1, 2011, October 1, 2011 and November 1, 2011. (Note: The November and March receipt dates are for amended applications only).

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-266.html>

Key Words: **Alzheimer's Disease, Cognitive Function, Cognitive Impairment**

Optimization of Small Molecule Probes for the Nervous System (STTR [R41]) and (SBIR [R43])

PAR-09-259 and PAR-09-260

National Institute of Neurological Disorders and Stroke (NINDS)

National Eye Institute (NEI)

National Institute on Aging (NIA)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

National Institute on Drug Abuse (NIDA)

This Funding Opportunity Announcement (FOA) encourages Small Business Technology Transfer (STTR) grant applications from small business concerns (SBCs) that propose to develop new small molecule probes for investigating biological function in the nervous system via the application of advanced medicinal chemistry and the biological testing of compounds. Eligible SBCs will have identified probe candidates via screening of small molecule collections, using in vitro assays of biological activity developed to interrogate these collections, and be able to show that the structural features of these small molecules are related to their biological activity. Applications should nominate small molecule probe candidates from distinct structural series for the further, iterative design and testing of analogues in structure-activity relationship studies, using in vitro assays of biological function adapted to the medium throughput screening requirements of this work. These studies should have the goal of developing a small molecule probe possessing the attributes (eg: affinity, selectivity, activity) required for its use in future pharmacological studies proposed by the SBC. Applicants are strongly encouraged to utilize publicly available cheminformatic capabilities for the acquisition of compounds, and semi-custom synthesis of analogues, which is required of these studies.

Amount: \$300,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-259.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-09-260.html>

Key Words: **Small Molecule Probes**

NINDS Exploratory/Developmental Projects in Translational Research (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/PA-08-232.html>

Key Words: **Neurological Disorders**

Drug Discovery for Nervous System Disorders (R01) and (R21)

PAR-10-001 and PAR-10-002

National Institute of Mental Health (NIMH)

National Institute on Aging (NIA)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

National Institute on Drug Abuse (NIAD)

National Institute of Neurological Disorders and Stroke (NINDS)

This funding opportunity announcement (FOA) encourages research grant applications from applicant organizations directed toward the discovery and preclinical testing of novel compounds for the prevention and treatment of nervous system disorders.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-001.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-002.html>

Key Words: **Neurological Disorders, Therapy, Treatment, Diagnostics**

Pharmacologic Agents and Drugs for Mental Disorders (SBIR [R43/R44])

PA-08-142

National Institute of Mental Health

This funding opportunity announcement (FOA) solicits Small Business Innovation Research (SBIR) grant applications that propose to develop novel pharmacologic agents for brain research related to mental disorders, including research aimed at discovering new drugs for these disorders. In addition, this FOA solicits SBIR grant applications that propose to take existing, promising compounds through the next step of drug discovery and development. Finally, this FOA also encourages SBIR grant applications designed to study the effectiveness of novel interventions.

Amount: up to \$350,000 total costs per year and time periods up to two years for Phase I may be requested. Budgets up to \$600,000 total costs per year and up to three years may be requested for Phase II.

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-142.html>

Key Words:

Adverse Metabolic Side Effects of Second Generation Psychotropic Medications Leading to Obesity and Increased Diabetes Risk (R01)

PAR-08-160

National Institute of Diabetes and Digestive and Kidney Diseases

National Institute of Mental Health

This Funding Opportunity Announcement (FOA) invites investigator-initiated research grant applications for studies examining the adverse metabolic effects (i.e., obesity and diabetes) of psychotropic medications in animal models and across the human lifespan (including pediatric, adult and geriatric populations). Applications responsive to this FOA should focus on 1) increasing the understanding of the nature, rates, and pathophysiology of adverse metabolic effects of psychotropic medications, 2) elucidating biomedical and psychosocial risk factors for the development of metabolic adverse effects of psychiatric therapeutics, and 3) develop interventions to prevent and/or mitigate metabolic adverse effects across the lifespan.

Amount: up to \$500,000 per year

LOI: A letter of intent is requested 30 days prior to application receipt date

Deadline: multiple dates (October 22, 2010, June 22, 2011, February 22, 2012)

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-160.html>

Key Words: **Neuropharmacology, Neuropsychopharmacology, Pathophysiology**

Collaborative Research on the Transition From Acute to Chronic Pain: New Models and Measures in Clinical and Preclinical Pain Research (R01)

RFA-DE-11-001

National Institute of Dental and Craniofacial Research (NIDCR)

The overall goal of this FOA is to stimulate preclinical and clinical research that will accelerate our understanding of the biological and behavioral determinants driving the transition from acute pain to chronic pain disorders. An understanding of the mechanisms and risk factors that determine who will transition to a chronic pain state is necessary in order to intervene in this transition and to design new, effective treatments to resolve acute pain before it becomes chronic. The objectives of this FOA are to: 1) assemble research teams with expertise in basic and clinical pain research and related expertise outside the pain field that will provide novel, collaborative, multidisciplinary approaches to answer crucial questions about the transition from acute to chronic pain; 2) discover biological and behavioral mechanisms that drive the transition from an acute pain state to a chronic dysfunctional pain condition; 3) develop new clinical and preclinical models and measures of pain that will be essential to identify and characterize these mechanisms. Studies that involve considerable risk but with the potential for breakthroughs in the field are strongly encouraged.

Amount: varies

LOI: May 21, 2010

Deadline: June 22, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-11-001.html>

Key Words: **Pain, Management and Evaluation**

Development of Multifunctional Drug and Gene Delivery Systems (R01)

PAR-10-048

National Institute of Biomedical Imaging and Bioengineering (NIBIB)

National Heart, Lung, and Blood Institute (NHLBI)

This Funding Opportunity Announcement (FOA), issued by the National Institute of Biomedical Imaging and Bioengineering and the National Heart, Lung, and Blood Institute, National Institutes of Health, encourages Research Project Grant (R01) applications from institutions/organizations that propose the engineering of novel, multifunctional drug and gene delivery systems that can target therapies to particular cells and intracellular compartments and can monitor delivery and determine therapeutic efficacy through the integration of advanced imaging and/or sensing technologies into the delivery system. Applications should propose to develop at least one prototype system by the end of the project period. Applications that are submitted to this FOA should include investigators from both the drug/gene delivery and imaging fields. Applicants are strongly encouraged to use the Multi-PD/PI model to meet the imaging and drug/gene delivery expertise.

Amount: varies

LOI: 30 days before Application Due Dates

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-048.html>

Key Words: **Gene Delivery, Drug Delivery**

NIAID Advanced Technology SBIR (NIAID-AT-SBIR [R43/R44]) and STTR (NIAID-AT-STTR [R41/R42])

PA-10-123 and PA-10-124

National Institute of Allergy and Infectious Diseases (NIAID)

This funding opportunity announcement (FOA) encourages Small Business Innovation Research (SBIR) grant applications from small business concerns (SBCs) for advanced technology projects that require a longer award period and greater award amount than those routinely allowed under the SBIR program. For this FOA, "advanced technology" is defined as a "clearly identified" product or service that requires approval of the Food and Drug Administration (FDA) and is within the mission of NIAID. An example of a "clearly identified product" is a research project focused on a lead compound for an AIDS drug. A research project focused on developing an assay to identify lead compounds does not have a clearly identified product and would not be appropriate for this FOA. Only applications meeting the above "advanced technology" definition should be submitted in response to this FOA. Applications in response to this FOA should not contain human clinical trials. NIAID Policy currently only allows investigator initiated clinical trials to be submitted using the R34 mechanism.

Amount: up to \$3,000,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-123.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-124.html>

Key Words: **FDA, Products or Services**

Critical Challenges in Parkinson's Disease

Michael J Fox Foundation (MJFF)

The foundation has announced that up to \$5.75 million in total funding will be available through three 2010 Critical Challenges: Alpha-synuclein Therapeutics — A total of \$3 million in funding is available for pre-clinical projects to accelerate therapeutic development of the PD-implicated gene alpha-synuclein, which many researchers believe holds potential to lead to a new treatment that could slow or stop the progression of PD.

Pharmacodynamic Biomarkers of LRRK2 Activity — A total of \$2 million in funding is available for efforts to develop drug-activity biomarkers that can improve outcomes from future clinical trials of treatments targeting the PD-implicated gene LRRK2. The foundation will give preference to proposals seeking to verify and validate promising, pre-defined candidate LRRK2-associated biomarkers. Novel Hypotheses in Parkinson's Disease: Investigating Clinical Data and Human Tissue — A total of \$750,000 is available to provide scientists around the globe with the opportunity to collaborate with the Arizona Parkinson's Disease Consortium. Funded investigators should propose drug development projects that can benefit from access to APDC's exceptional bank of well-characterized biologics, postmortem tissue, and associated clinical data.

Amount: unspecified

LOI: April 28, 2010

Deadline: July 13, 2010

To learn more: http://www.michaeljfox.org/research_fundingOpportunities.cfm

Key Words: **Parkinson's Disease, Histologic Studies, Biological Targets, Molecular Risk Factors, Gene Expression, Disease Progression**

FDA Small Scientific Conference Program (R13/U13)

RFA-FD-08-003

FDA

This funding opportunity provides updated guidelines for the Food and Drug Administration support of conferences and scientific meetings.

Amount: varies

LOI: N/R

Deadline: October 15; January 15; April 15; July 15 annually

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-FD-08-003.html>

Key Words:

Translational Research in Pediatric and Obstetric Pharmacology (R01) and (R03) and (R21)

PAR-09-154 and PAR-09-155 and PAR-09-156

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

This funding opportunity announcement (FOA) issued by the Eunice Kennedy Shriver National Institute of Child Health and Human Development encourages research grant applications to conduct studies to improve existing drug safety and efficacy, and to develop new drugs for pediatric and obstetric populations. The overall goals of this FOA are to support: (1) pharmacological studies addressing the special differences of drug actions and responses among children at various developmental stages, between children and adults, and between pregnant and non-pregnant women; (2) development of new drug targeting children and pregnant women; (3) multidisciplinary collaborations between basic and physician scientists to improve the use of therapeutics in obstetrics and pediatrics.

Amount: varies

LOI: Thirty days prior to application receipt date

Deadline: May 19, 2010, September 16, 2010, January 19, 2011, May 19, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-154.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-09-155.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-09-156.html>

Key Words: **Pediatric Pharmacology, Obstetric Pharmacology**

Mechanisms of Adverse Drug Effects in Children [(R01)PAR-08-248] and [(R03)PAR-08-249]

PAR-08-248 and PAR-08-249

Eunice Kennedy Shriver National Institute of Child Health and Human Development

National Institute on Drug Abuse

This FOA encourages projects that enhance the state-of-the-science on the molecular and cellular, genetic and epigenetic mechanisms involved in the production of adverse drug reactions in children. This FOA will utilize the NIH Research Project Grant (R01 grant) award mechanism and runs in parallel with an FOA of identical scientific scope, PAR-08-249, that solicits applications under the R03 grant mechanism.

Amount: varies

LOI: April 23, 2010

Deadline: May 20, 2010

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**

Pharmacokinetic Research in Pediatric HIV/TB Co-Infection (R01) and (R21)

RFA-HD-09-015 and RFA-HD-09-016

Eunice Kennedy Shriver National Institute of Child Health and Human Development

National Institute of Mental Health (NIMH)

This Funding Opportunity Announcement (FOA), issued by the National Institute of Child Health and Human Development (NICHD) and the National Institute of Mental Health (NIMH), encourages Research Project Grant (R01) applications from institutions/organizations that propose to evaluate the pharmacokinetics of anti-tuberculosis (anti-TB) drugs and pharmacokinetic drug interactions between anti-TB drugs and anti-HIV medications, and to potentially provide preliminary data regarding the effect of such pharmacokinetic parameters on the outcome of treatment in children with HIV/TB co-infection. Pediatric research in these areas lags far behind that in adults due to the many challenges surrounding the diagnosis and management of TB disease in children. Research related to the treatment of TB in the context of pediatric HIV/TB co-infection is urgently needed. This FOA will support grants to define appropriate dosing of anti-TB agents in HIV-infected children and that will generate knowledge regarding the optimization of management of TB/HIV co-infection in children, including the management of central nervous system (CNS) involvement with TB through the evaluation of CNS penetration of anti-TB agents in the context of antiretroviral therapy.

Amount: \$2,000,000; varies with project

LOI: July 24, 2010

Deadline: August 24, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-09-015.html> and <http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-09-016.html>

Key Words: **TB, HIV, Treatment, Anti-Tuberculosis Drugs, Pharmacokinetics**

Amyotrophic Lateral Sclerosis Research Program (ALSRP)

[Therapeutic Development Award; Therapeutic Idea Award]

W81XWH-10-ALSRP-TDA

W81XWH-10-ALSRP-TIA

DOD

Congressionally Directed Medical Research Programs (CDMRP)

The FY2010 Amyotrophic Lateral Sclerosis Research Program (ALSRP) promotes the introduction of improved therapies for ALS by encouraging ALS investigators to undertake preclinical studies of novel and existing agents.

Amount: varies with award; up to \$1,500,000

LOI: May 14, 2010

Deadline: August 4, 2010

To learn more: <http://cdmrp.army.mil/funding/alsrp.htm>

Key Words: **ALS, Preclinical Model Systems, Pharmacologic Agents**

Prizes & Awards

SBS Awards

Society for Biomolecular Screening (SBS)

The Society for Biomolecular Sciences supports an award of \$5,000 made at least every three years, to recognize outstanding achievements in research, innovation, ground breaking foundation, or seminal contributions that have proven to be broadly applicable to biomolecular screening or pharmaceutical/ agricultural lead discovery. Furthermore, the award seeks to recognize those who have distinguished themselves within the scope of the society's mission. Independence of thought, originality of approach, clarity of vision, and a consistent record of achievement are important criteria. Quality and depth rather than the number of contributions shall be emphasized.

The Society for Biomolecular Sciences supports annual awards of \$1,000 to recognize a member for a significant technical accomplishment, exceeding a benchmark or milestone in screening or the lead discovery process, or an innovative and integrated use of mature technologies. More than one award may be conferred annually.

Amount: \$5,000

LOI: N/R

Deadline: Continuous

To learn more: <http://www.sbsonline.org/awards/>

Key Words: **Biomolecules, Proteomics**

NCI Transition Career Development Award to Promote Diversity (K22)

PAR-08-047

NCI

This Funding Opportunity Announcement (FOA) represents the continuation of an NCI program to make possible the diversification of the cancer research workforce via facilitation of the transition of investigators from minority groups underrepresented in biomedical research, primarily those with clinical doctoral degrees as well as those with doctoral degrees working in the areas of cancer

prevention, control, behavioral, or population science research, from the mentored stage of career development in academic cancer research to the independent stage. This goal is achieved by providing protected time through salary and research support for 3 years to: postdoctoral individuals or junior faculty in mentored positions transitioning into their first independent position; and investigators within the first 2 years of their first independent cancer research position, to initiate and develop their independently-supported cancer research programs.

Amount: 3 years of salary (up to \$75,000 per annum plus fringe benefits) and research support up to \$50,000 per annum.

LOI: N/R

Deadline: multiple, see listing

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-047.html>

Key Words:

Faculty Early Career Development (CAREER) Program

NSF 08-557

National Science Foundation

CAREER: The Faculty Early Career Development (CAREER) Program is a Foundation-wide activity that offers the National Science Foundation's most prestigious awards in support of junior faculty who exemplify the role of teacher-scholars through outstanding research, excellent education and the integration of education and research within the context of the mission of their organizations. Such activities should build a firm foundation for a lifetime of leadership in integrating education and research. NSF encourages submission of CAREER proposals from junior faculty members at all CAREER-eligible organizations and especially encourages women, members of underrepresented minority groups, and persons with disabilities to apply.

Amount: varies

LOI: N/R

Deadline: July 20, 2010

To learn more: http://www.nsf.gov/pubs/2008/nsf08557/nsf08557.htm?govDel=USNSF_25

Key Words:

Academic Career Award (K07)

PA-08-152

National Cancer Institute

National Center for Complementary and Alternative Medicine

National Institute on Aging

National Institute on Alcohol Abuse and Alcoholism

Office of Dietary Supplements

The purpose of the NIH Academic Career Award is to provide support to increase the pool of individuals with academic and research expertise to become academic researchers and to enhance the educational or research capacity at the grantee sponsoring grantee institution. The Academic Career Award supports Development awards for more junior level candidates and Leadership awards for more senior individuals with acknowledged scientific expertise and leadership skills.

Amount: 3-5 years support

LOI: N/R

Deadline: multiple

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-152.html>

Key Words:

Psychobehavioral Diseases/Mental Health

Research on Autism and Autism Spectrum Disorders (R01), (R03), and (R21)

New

PA-10-158, PA-10-159, and PA-10-160

National Institutes of Health (NIH)

multiple institutes

This funding opportunity announcement (FOA) encourages research grant applications to support research designed to elucidate the etiology, epidemiology, diagnosis, treatment, and optimal means of service delivery in relation to autism spectrum disorders (ASD). Basic, clinical, and applied studies are encouraged. This FOA is intended to support the broad research goals of the Strategic Plan for ASD Research (<http://iacc.hhs.gov/reports/2009/iacc-strategic-plan-for-autism-spectrum-disorder-research-jan26.shtml>).

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-158.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-159.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-160.html>

Key Words: **Autism, Autism Spectrum Disorders, ASD**

Association for Frontotemporal Dementias Research Grant

New

Association for Frontotemporal Dementias

The Request for Proposals is designed to generate preliminary data for larger grant applications to the NIH or other public or private agencies concerned with this important medical and social problem.

Amount: \$60,000

LOI: N/R

Deadline: June 28, 2010

To learn more: <http://www.ftd-picks.org/front-page/2010-aftd-research-rfp>

Key Words: **Frontotemporal Dementias, Dementia, Behavioral Variant FTD, Corticobasal Degeneration, FTD Motor Neuron Disease, Pick's Disease, Progressive Aphasia, Semantic Dementia, Progressive Supranuclear Palsy**

AHRQ Small Research Grant Program (R03)

New

PA-10-168

Agency for Healthcare Research and Quality (AHRQ)

This Funding Opportunity Announcement (FOA) encourages Small Research Grant (R03) applications, and expresses AHRQ portfolio priority areas of interest for ongoing small research projects. The R03 grant mechanism supports different types of health services research projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and, development of new research technology.

Amount: \$100,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-168.html>

Key Words: **Comparative Effectiveness Research, Prescription Drugs and Medicare, Arthritis and Non-Traumatic Joint Disorders, Cancer, Cardiovascular Disease, Stroke, Hypertension, Dementia, Alzheimer's Disease, Depression, Developmental Delays, ADHD, Autism, Diabetes, Infectious Diseases, HIV/AIDS, Obesity, Peptic Ulcer, Dyspepsia, Pregnancy, Pulmonary Disease/Asthma, Substance Abuse**

ARL/ARO Broad Agency Announcement-Revised

W911NF-07-R-0001-02

U.S. Army Research Laboratory (ARL)

14.0. Extramural research in the Life Sciences is supported by the Army Research Office. For those proposals related to purely medical topics, the investigator is invited to contact the U.S. Army Medical Research and Materiel Command. For research in the behavioral and social sciences or in training techniques, contact the Army Research Institute for Behavioral and Social Sciences. The ARO Life Sciences Division research program is currently focused on four sub

area work packages. The titles, scopes and points of contact for these work packages, each of which address general aspects of basic research in biotechnology, as well as the specific thrusts described, are listed below. A small number of symposia, conferences and workshops are also supported in part or in whole to provide an exchange of ideas related to ongoing programs in Army laboratories. Potential offerors are strongly encouraged to contact the appropriate TPOC for preliminary discussions on their ideas before any submissions. The TPOC may invite the offeror to submit a preproposal.

14.1. Bioengineering. Fundamental studies to define structure-function relationships and biochemical interactions for enzymes, receptors and other macromolecules exhibiting mechanisms and properties uniquely relevant to synthetic and degradative pathways of interest to the military, including establishment of the foundations for manipulation and exploitation of biocatalysis, ribosomal and non-ribosomal biosynthesis to enhance permissiveness toward elaboration of useful biomolecular structures and cellular systems designed with "metabolic engineering" in mind. Also, research to provide insight from nature on novel theoretical principles and mechanisms in sensory and motor function, as well as on materials with extraordinary properties, from biological sources. Includes not only initial molecular events, signal transduction pathways and integrated information processing for the powerful sensing capabilities exhibited in the biological world, but also self-assembly processes, hierarchical structure formation, and functional characterization of biomolecular materials such as those with potential "biomimetic" utility for nanometer scale fabrication or for energy and information transfer, among other possibilities. Technical Point of Contact: Dr. Robert Kokoska, Robert.kokoska@us.army.mil, (919) 549-4342.

14.2 Molecular Genetics and Genomics. This program emphasizes basic research in molecular genetics and genomics that will enable optimization of soldier cognitive and physical performance, soldier protection, and Army logistics. This includes human performance and protection under both normal conditions, and when affected by a variety of stressors that are likely to be encountered in battlefield situations, such as dehydration, heat, cold, sleep deprivation, fatigue, caloric insufficiency, microbial factors, and psychological stress. Genetic and genomic research areas include identification and characterization of gene function, gene regulation, genetic interactions, gene pathways, gene expression patterns, mitochondrial regulation and biogenesis, and nuclear and mitochondrial DNA replication, mutagenesis, oxidative stress, and DNA repair. Also molecular responses to pathogens, pathogen identification, and pathogen

inactivation, as well as host-pathogen interactions, and host components of infection and resistance to infection. This program is also interested in the biotechnology of microarrays, including both genomic- and proteomic-based platforms, for real time detection of pathogens or physiological states that would reduce or interfere with human performance. This program also supports development of new biomaterials and bioproduction methods, and other advances in biotechnology methods and applications. Technical Point of Contact: Dr. Micheline Strand, e-mail: Micheline.strand@us.army.mil, (919) 549-4343.

14.3. Microbiology and Biodegradation. Biochemical and physiological mechanisms, underlying the biodegradative processes in normal, extreme, and engineered environments and fundamental studies on organisms in these environments, the properties of materials that make them susceptible or resistant to biological attack, basic concepts for anti-fungals, and studies of microbiological mechanisms with potential for contributing to the remediation of sites contaminated with toxic wastes. Included are research investigations in analytical microbiology (including microbial signatures), and in general microbial mechanisms with relevance to Army problems. Addressed here also is research into microbial communities and how to study organisms that cannot be grown in the lab, as well as research into methods to enhance the stabilization of military materiel, which would include methods to prevent microbial growth.

Also included is the development of microbial systems for unique biotechnological applications and bioengineering processes with individual microbial species or consortia of microorganisms, emphasizing the control, stability, and mechanisms of the basic cellular processes involved. Technical Point of Contact: Dr. Micheline Strand, e-mail: Micheline.strand@us.army.mil, (919) 549-4343.

14.4 Neurophysiology and Cognitive Neuroscience. Research in the perception and cognition subfields of neurophysiology and the cognitive neurosciences, covering several or all areas of electrophysiology, psychophysiology, sensory and perceptual physiology, computational neurobiology, psychophysics, neuropsychology, and integrative neurobiology is of interest. Specific examples can include physiological, neuro-psychological and/or cortical/cognitive mechanisms underlying successful completion of complex task behaviors applicable to nonlaboratory environments under non-ideal conditions, to include both amelioration of induced losses as well as enhancement in defined perceptual, cognitive and/or motor abilities. Investigations can span the gamut from multi-unit recordings through evoked potentials and neuro-imaging technologies to humoral and psychological correlates of both central and peripheral nervous system function. Non-medically oriented research designed to elucidate the fundamental physiology underlying cognition and possible non-invasive methods of monitoring cognitive states and processes during normal activity is appropriate. Perceptual and/or psychophysiological implications of mind-machine interfaces ranging from optimizing auditory, visual and/or somatosensory display and control systems based on physiological or psychological states through modeling of individual cognitive dynamics and decision making is appropriate to this research area. Technical Point of Contact: Dr. Elmar T. Schmeisser e-mail elmar.schmeisser@us.army.mil, (919) 549-4318.

Amount: unspecified

LOI: N/R

Deadline: September 30, 2011

To learn more: http://www.arl.army.mil/www/DownloadedInternetPages/CurrentPages/DoingBusinesswithARL/research/07-r-0001-02_amendment2.pdf

Key Words: **Human Performance, Microbial Signatures, Perception and Cognition**

American Foundation for Suicide Prevention Invites Applications for Research Grants

The American Foundation for Suicide Prevention

AFSP research grants support studies that aim to increase understanding of the causes of suicide and factors related to suicide risk, or to test treatments and other interventions designed to prevent suicide. Investigators from all academic disciplines are eligible to apply, and both basic science and applied research projects will be considered, providing the study has an essential focus on suicide or suicide prevention. AFSP grants are awarded for one or two-year periods.

Amount: varies

LOI: N/R

Deadline: submission deadlines of Dec. 15 and June 15; annually

To learn more: http://www.afsp.org/index.cfm?fuseaction=home.viewPage&page_id=0535FDA2-FA7D-AAE8-D7A9A6BCFFE3574B

Key Words:

Methodology, Measurement, and Statistics (MMS)

NSF 08-561

NSF

The MMS Program seeks proposals that are methodologically innovative, grounded in theory, and have potential utility for multiple fields within the social, behavioral, and economic sciences. Successful proposals often integrate across the following areas: The development, application, and extension of formal models and methodology for social and behavioral research, including methods for improving measurement. The proposed research must have implications for one or more of the social and behavioral sciences. The development of formal models that cross traditional disciplinary boundaries, including research on statistical methodology or statistical modeling having direct implications for one or more of the social and behavioral sciences. Research on methodological aspects of new or existing procedures for data collection, including methodology for survey research, and research to evaluate or compare existing data bases and data collection procedures. The collection of unique databases with cross disciplinary implications, especially when paired with developments in measurement or methodology. The organizational infrastructure of social and behavioral research.

Amount: varies

LOI: N/R

Deadline: August 16, annually; January 16, annually

To learn more: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08561

Key Words: **Statistical Surveys, Mental Health Assessment**

Collaborative R01s for Clinical and Services Studies of Mental Disorders, AIDS and Alcohol Use Disorders (R01)

PAR-09-153

NIH – Multiple Institutes

The National Institute of Mental Health (NIMH) and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) seek to support collaborative intervention trials in the treatment, prevention or rehabilitation of those with mental disorders and alcohol use disorders and comorbid mental disorders. Support is also provided for other collaborative clinical studies, including but not limited to mental health services research, AIDS, genetics, psychopathology, stigma, and cultural and social processes. This Funding Opportunity Announcement (FOA) should be used when two or more sites are needed to complete the study. Accordingly, the collaborating studies share a specific protocol across the sites and are organized as such in order to increase sample size, accelerate recruitment, or increase sample diversity and representation. In studies with a large number of sites, it is expected that one site will be submitted as a coordinating site for data management and/or other centralized administration. For a linked set of collaborative R01s, each site has its own Project Director/Principal Investigator and the program provides a mechanism for cross-site coordination, quality control, database management, statistical analysis, and reporting.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-153.html>

Key Words: **Alcohol Abuse, Mental Disorders, Comorbid Mental Disorders**

Behavioral Systems

PD 07-7472

National Science Foundation (NSF)

Directorate for Biological Sciences (BIO)

Division of Integrative Organismal Systems (IOS)

The Behavioral Systems Cluster supports research on the development, function, mechanisms, and evolutionary history of behavior, with emphasis on a vertically integrated understanding of the behavioral phenotype in nature. To foster this integrative goal, the Cluster specifically encourages projects that seek to understand how combinations of neural, hormonal, physiological, and developmental mechanisms act synergistically as a system from which behavior emerges. Laboratory work or the study of animals in captivity is encouraged, to the extent that it contributes to the understanding of behavior in natural systems.

Amount: \$140,000

LOI: N/R

Deadline: January 12; July 12; Annually

To learn more: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501086

Key Words: **Behavioral Phenotype, Behavior, Evolutionary Biology**

Silvio O. Conte Centers for Basic and Translational Mental Health Research (P50)

PAR-08-194

National Institutes of Health (NIH)

National Institute of Mental Health (NIMH)

The National Institute of Mental Health (NIMH) invites applications for Conte Centers for Basic and Translational Mental Health Research. The purpose of these Centers is to support interdisciplinary teams of researchers engaging in integrative, novel, and creative experimental approaches to address high-risk, high-impact questions that will significantly advance the state of the science in brain and behavioral research relevant to mental health. Conte Centers comprise a collaborative, cutting-edge, interdisciplinary research program conducted at multiple levels of analysis spanning from genes to behavior to disease in humans, animals, and model systems, from infancy to adulthood as appropriate, based on a well-defined and unified scientific question (hypothesis) or problem. Areas of interest span the full range of basic neuroscience, basic behavioral science, genetics research, and proof-of-concept clinical trials, as well as the translational integration of neuroscience and behavioral science with study of the etiology, pathogenesis, and/or the developmental progression of mental disorders across the lifespan. Proposed Centers should be directed towards a well-defined and unified scientific question or problem and in some instances may include discovery-based as well as technology development components.

Amount: \$10,750,000

LOI: August 25, 2010

Deadline: September 23, 2010

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PAR-08-194.html>

Key Words: **Mental Health, Neuropsychiatry, Psychiatry**

Science of Behavior Change: Finding Mechanisms of Change in the Laboratory and the Field (R01)

RFA-RM-10-002

National Institutes of Health (NIH)

Multiple Institutes

This FOA solicits Research Project Grant (R01) applications that will improve understanding of the basic mechanisms of behavior change by bridging work in the laboratory and the field. This understanding will advance several goals, including: the identification of the optimal targets and timepoints in the lifecourse for intervention; the identification of common mechanisms of change related to either multiple or bundled health behaviors; the ability to tailor interventions to particular at-risk individuals or groups; the application of novel technologies for behavioral assessment and change; and the identification of individuals or groups most likely to benefit from specific interventions. This initiative seeks to establish the groundwork for a unified science of behavior change, capitalizing on emerging basic science to accelerate investigation of common mechanisms that play a role in initiating or maintaining behavior change and are applicable across a broad range of health-related behaviors. Approaches from behavioral economics; the social, behavioral, cognitive and affective neurosciences; neuroeconomics; behavior genetics and genomics; and systems science are specifically encouraged. By focusing basic research on the mechanisms of behavior change, and by integrating work across laboratory and field contexts, this initiative should transform the efficacy, effectiveness, and cost efficiency of behavior change interventions.

Amount: \$2,000,000

LOI: March 29, 2010

Deadline: April 26, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-10-002.html>

Key Words: **Behavioral Interventions**

Scientific Meetings for Creating Interdisciplinary Research Teams (R13)

PA-10-106

National Institutes of Health (NIH)

Multiple Institutes

This FOA solicits Research Project Grant (R01) applications that will improve understanding of the basic mechanisms of behavior change by bridging work in the laboratory and the field. This understanding will advance several goals, including: the identification of the optimal targets and timepoints in the lifecourse for intervention; the identification of common mechanisms of change related to either multiple or bundled health behaviors; the ability to tailor interventions to particular at-risk individuals or groups; the application of novel technologies for behavioral assessment and change; and the identification of individuals or groups most likely to benefit from specific interventions. This initiative seeks to establish the groundwork for a unified science of behavior change, capitalizing on emerging basic science to accelerate investigation of common mechanisms that play a role in initiating or maintaining behavior change and are applicable across a broad range of health-related behaviors. Approaches from behavioral economics; the social, behavioral, cognitive and affective neurosciences; neuroeconomics; behavior genetics and genomics; and systems science are specifically encouraged. By focusing basic research on the mechanisms of behavior change, and by integrating work across laboratory and field contexts, this initiative should transform the efficacy, effectiveness, and cost efficiency of behavior change interventions.

Amount: \$2,000,000

LOI: March 29, 2010

Deadline: April 26, 2010

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-106.html>

Key Words: **Behavioral Interventions**

Behavioral and Integrative Treatment Development Program (R01) and (R03) and (R34)

PA-10-012 and PA-10-011 and PA-10-013

National Institute on Drug Abuse (NIDA)

National Institute on Alcoholism and Alcohol Abuse (NIAAA)

National Institute of Nursing Research (NINR)

The purpose of this FOA for R01 applications is to encourage Stage II or Stage III research to conduct clinical trials, examine mechanisms of behavior change, determine dose-response, optimize combinations, and/or ascertain best sequencing of behavioral, combined, sequential, or integrated behavioral and pharmacological (1) drug abuse treatment interventions, including interventions for patients with comorbidities, in diverse settings; (2) interventions to prevent the acquisition or transmission of HIV infection among individuals in drug abuse treatment; (3) interventions to promote adherence to drug abuse treatment, HIV and addiction medications; and (4) interventions to treat chronic pain.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-012.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-011.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-013.html>

Key Words: **Clinical Trials, Drug Abuse Treatment, HIV and Addictions**

Accelerating the Pace of Drug Abuse Research Using Existing Epidemiology, Prevention, and Treatment Research Data (R01)

PAR-10-018

National Institute on Drug Abuse (NIDA)

National Cancer Institute (NCI)

Office of Behavioral and Social Science Research (OBSSR)

The National Institute on Drug Abuse (NIDA) and the National Cancer Institute (NCI) invite applications to support the innovative analysis of existing social science and behavioral data to study the etiology and epidemiology of drug using behaviors (defined as alcohol, tobacco, and other drug), HIV risk behaviors, related disorders, prevention and treatment of these behaviors, and health service utilization including quality, access, and costs. NIDA and NCI encourage coordinated analyses of substance abuse research data that are in public use or that are privately held by a principal investigator.

Amount: \$450,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-018.html>

Key Words: **Risk Behaviors**

Medications Development for Cannabis-Related Disorders (R01)

RFA-DA-10-016

National Institute on Drug Abuse (NIDA)

The purpose of this Funding Opportunity Announcement (FOA) is to issue a Request for Applications (RFA) to support research studies that focus on the identification, and preclinical and clinical evaluation, of medications that can be safe and effective for the treatment of cannabis-use and -induced disorders, as well as their medical and psychiatric consequences. The studies can be preclinical or FDA-defined Phase I, Phase II or Phase III clinical trials.

Amount: \$2,500,000

LOI: March 30, 2010

Deadline: April 30, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-016.html>

Key Words: **Marijuana Abuse, Clinical Trials,**

Building System Capacity for Implementing Evidence-Based Practices in Substance Abuse Treatment and Prevention (R34)

PA-09-105

National Institute on Drug Abuse (NIDA)

This Funding Opportunity Announcement (FOA) issued by the National Institute on Drug Abuse, National Institutes of Health, provides resources to facilitate research on the adoption, implementation, and sustainability of evidence-based clinical treatment practices, prevention approaches, and business practices in community-based service delivery settings. It is intended to foster collaboration between service providers and entities that directly influence their capacity to deliver such practices, including Single State Agencies, other funders, licensing and regulatory bodies, referral sources, educational entities, and other social services agencies that interact with the treatment and prevention systems. Applications are encouraged that will advance the field of implementation science while simultaneously building the capacity of systems and service providers to conduct process improvement research. Applicants may propose to pilot test proven clinical or business practices across service delivery settings, or to study the downstream effect of changes in State or other system-level policies on program capacity to implement evidence-based practices. This FOA encourages collection of preliminary data needed to inform approaches to the eventual scaling-up of selected practices to broader, sustained implementation.

Amount: \$450,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-105.html>

Key Words: **Addictions, Treatment Program Evaluation**

Drug Abuse Dissertation Research: Epidemiology, Prevention, Treatment, Services, and/or Women and Sex/Gender Differences (R36)

PAR-10-020

National Institute on Drug Abuse (NIDA)

The purpose of this Funding Opportunity Announcement (FOA) is to invite applications for support of drug abuse doctoral dissertation research in epidemiology, prevention, treatment, services, and/or women and sex/gender differences.

Amount: \$100,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-020.html>

Key Words: **Drug Abuse**

Collaborative R34s for Pilot Studies of Innovative Treatments in Mental Disorders (Collaborative R34)

PA-09-075

National Institute of Mental Health (NIMH)

National Center for Complementary and Alternative Medicine

This Funding Opportunity Announcement (FOA), issued by the National Institute of Mental Health (NIMH) and the National Center for Complementary and Alternative Medicine (NCCAM), seeks to support collaborative preliminary intervention studies to evaluate the feasibility, tolerability, acceptability and safety of novel mechanism drug candidates, promising investigational new drugs (INDs), or novel psychosocial strategies for the treatment of mental disorders and for obtaining the preliminary data needed as a pre-requisite to larger-scale (efficacy or effectiveness) intervention or services studies. This FOA should be used when at least two but no more than three sites are needed to complete the study. The collaborating studies should be organized in order to increase sample size, accelerate recruitment, and/or increase sample diversity and representation. For a linked set of collaborative R34s, each site shall have its own Project Director/Principal Investigator and provide for a mechanism for cross-site coordination, quality control, database management, statistical analysis, and reporting.

Amount: \$450,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-075.html>

Key Words: **Mental Disorders, Drug Therapy**

Women's Mental Health in Pregnancy and the Postpartum Period (R01)

PA-09-174 and PA-09-175

National Institute of Mental Health (NIMH)

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

National Institute on Drug Abuse (NIDA)

Center for Primary Care, Prevention, and Clinical Partnerships (CP3)

In this Funding Opportunity Announcement (FOA), the National Institute of Mental Health (NIMH), the National Institute on Drug Abuse (NIDA), the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), and the Agency for Healthcare Research and Quality, encourage research on women's mental health in relation to pregnancy and the postpartum period. As illustrated by a few highly publicized cases, the consequences of severe untreated postpartum depression and psychosis can be devastating for individuals, families, and communities. A recent evidence-based practice report from the Agency for Healthcare Research and Quality noted that depression is also prevalent during pregnancy as well as the postpartum period, therefore research that occurs throughout pregnancy and the postpartum period (the perinatal period) is encouraged.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-174.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-175.html>

Key Words: **Post-Partum Depression**

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**

Interventions And Practice Research Infrastructure Program (IP-RISP) (R24)

PAR-06-441

National Institute of Mental Health (NIMH)

The National Institute of Mental Health (NIMH) seeks research partnerships between community-based, clinical/services settings and research institutions to enhance the national capacity to conduct research that will inform mental health services research science, service delivery, program dissemination and implementation, and mental health policy. The IP-RISP seeks to foster an active, synergistic partnership between mental health researchers and community-based, clinical/services staff, clinicians and patients/clients to: (1) advance our knowledge about developing research infrastructure in community settings and the establishment of collaborative partnerships; (2) identify and incorporate those factors (e.g., organizational, sociocultural, interpersonal) in community settings that may be associated with quality care and optimal outcomes for patients and clients; and (3) plan, test, and implement services research interventions (treatment, rehabilitative, and preventive) in community settings.

Amount: varies up to \$500,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-06-441.html>

Key Words: **Community Based Research**

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**

Mental Health Dissertation Research Grant to Increase Diversity (R36)

PAR-09-132

National Institute of Mental Health (NIMH)

The purpose of this funding opportunity is to increase the diversity of the mental health research workforce. It will enable qualified doctoral candidates to pursue research careers in any area relevant to the research mission of the National Institute of Mental Health (NIMH). These awards are available to US citizens or permanent residents who are predoctoral students advanced to candidacy in accredited research doctoral programs in the United States (including Puerto Rico and other U.S. territories or possessions).

Amount: see program announcement

LOI: 30 days prior to Application Due Date

Deadline: August 24, 2010; December 22, 2010; April 22, 2011; August 24, 2011; December 22, 2011 (including resubmissions)

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-132.html>

Key Words: **Doctoral Training Support, Mental Health Professions**

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**

Collaborative Research for Molecular and Genomic Studies of Behavior in Animal Models (R01)

PA-10-125

National Institute of General Medical Sciences (NIGMS)

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

The purpose of this Funding Opportunity Announcement (FOA), issued by the National Institute of General Medical Sciences (NIGMS) and the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institutes of Health, is to facilitate collaborative research, involving behavioral scientists and investigators with expertise in molecular biology and/or genomics, which addresses questions about the mechanisms of behavior in animal models. Applications from multiple PIs are encouraged.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-125.html>

Key Words: **Maternal Behavior, Social Development, Cognitive Development, Developmental Disability, Neuroimaging, Gene-Brain-Behavior Associations**

Meetings, Conferences, and Networks for Research Partnerships to Improve Functional Outcomes (R13)

PAR-08-207

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

National Institute of Neurological Diseases and Stroke (NINDS)

National Heart Lung and Blood Institute (NHLBI)

National Institute of Mental Health (NIMH)

National Inst

This funding opportunity announcement (FOA) solicits Conference Grant (R13/U13) applications from applicant organizations for meetings and networks that will facilitate interdisciplinary research partnership among investigators. The goal is to create opportunities for forming strong and effective multi-disciplinary scientific teams to address basic, translational, or clinical research problems in rehabilitation or management of chronic disease, including mental disorders.

Amount: \$50,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-207.html>

Key Words: **Chronic Disease, Rehabilitation, Conferences**

Research on Teen Dating Violence (R01) and (R21)

PA-09-169 and PA-09-170

Eunice Kennedy Shriver National Institute for Child Health and Human Development (NICHD)

National Institute on Drug Abuse (NIDA)

National Institute on Alcohol and Alcohol Abuse (NIAAA)

Office for Research on Women's Health (ORWH)

This Funding Opportunity Announcement (FOA) encourages investigator-initiated research grant applications from institutions/organizations that propose to conduct behavioral and/or biomedical research aimed at better understanding the etiologies and precursors for, reducing risk for, and incidence of, teen dating violence (TDV). Research is also sought that examines the linkages and gaps among perceptions of appropriate responses to teen dating violence from service providers, the criminal justice system, teens themselves, victims, perpetrators and bystanders.

Amount: \$2,500,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-169.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-170.html>

Key Words: **Teen Violence**

Rehabilitation Research and Training Centers (RRTCs) Improving Measurement of Medical Rehabilitation Outcomes

ED-GRANTS-072809-006

Department of Education

National Institute on Disability and Rehabilitation Research (NIDRR)

The purpose of the RRTC program is to improve the effectiveness of services authorized under the Rehabilitation Act of 1973, as amended, through advanced research, training, technical assistance, and dissemination activities in general problem areas, as specified by NIDRR. Such activities are designed to benefit rehabilitation service providers, individuals with disabilities, and the family members or other authorized representatives of individuals with disabilities.

- Improved Employment Outcomes for Individuals With Psychiatric Disabilities
- Transition-Age Youth and Young Adults With Serious Mental Health Conditions
- Improving Measurement of Medical Rehabilitation Outcomes
- Developing Strategies to Foster Community Integration and Participation for Individuals With Traumatic Brain Injury

Amount: \$850,000

LOI: N/R

Deadline: August 27, 2010

To learn more: <http://www.grants.gov/search/search.do?&mode=VIEW&flag2006=true&oppld=48873>

Key Words: **Traumatic Brain Injury, Rehabilitation, Disability Services, Mental Health Acceptance**

Family Services Community Grants Program

Autism Speaks

Autism Speaks is accepting grant applications for its Family Services Community Grants program for projects that promote services that enhance the lives of those affected by autism spectrum disorders. The focus of these grants will be on proposals that serve to build the field of services for individuals with autism and expand the capacity to effectively serve this growing community.

Autism Speaks will accept family services community grant proposals that address one of three areas of need — education, recreation/community activities, and young adult/adults services. Successful applicants will apply grant funding to support new programs or the expansion of existing projects.

Amount: up to \$25,000

LOI: June 10, 2010

Deadline: June 25, 2010

To learn more: http://www.autismspeaks.org/community/family_services/grants.php

Key Words: **Autism, ASD, Autism Spectrum Disorders**

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**

Recovery Act Limited Competition: The NIH Director's ARRA Funded Pathfinder Award to Promote Diversity in the Scientific Workforce (DP4)

RFA-OD-10-013

All NIH Institutes and Centers participate in this NIH-wide announcement.

This NIH Funding Opportunity Announcement (FOA), supported by funds provided to the NIH under the American Recovery and Reinvestment Act of 2009 (Recovery Act or ARRA), Public Law 111-5, invites applications for the NIH Directors ARRA Pathfinder Award to Promote Diversity in the Scientific Workforce. The NIH recognizes a unique and compelling need to promote diversity in the biomedical, behavioral, clinical and social sciences research workforce. The NIH expects all of its efforts to diversify the workforce to lead to the recruitment of the most talented researchers from all groups; to improve the quality of the educational and training

environment; to balance and broaden the perspective in setting research priorities; to improve the ability to recruit subjects from diverse backgrounds into clinical research protocols; and to improve the Nation's capacity to address and eliminate health disparities. .This new FOA introduces a new research grant program to encourage exceptionally creative individual scientists to develop highly innovative and possibly transforming approaches for promoting diversity within the biomedical research workforce. To be considered highly innovative, the proposed research must reflect ideas substantially different from those already being pursued or it must apply existing research designs in new and innovative ways to unambiguously identify factors that will improve the retention of students, postdocs and faculty from diverse backgrounds. Awardees must commit a major portion (generally 30% or more) of their research effort to activities supported by the Directors Pathfinder Award and the proposed research must be endorsed by the highest levels of institutional management.

Amount: \$2,000,000

LOI: April 5, 2010

Deadline: May 4, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-OD-10-013.html>

Key Words: **Workforce Diversity**

Public Health

Rural Health and Safety Education Competitive Grants Program

New

USDA-NIFA-RHSE-003076

U.S. Department of Agriculture (USDA)

National Institute of Food and Agriculture (NIFA)

For FY 2010, the Rural Health and Safety Education Programs will focus on issues related to individual and family health education in one or more of the following areas: 1) healthy living behaviors, family interaction and environmental attributes in rural areas; 2) health literacy and its impact on health status in rural and farm families; and/or 3) related issues of health promotion and health care to rural individuals and families with:

- Information as to the value of good health at any age;
- Information to increase individual or family's motivation to take more responsibility for their own health;
- Information about and access to health promotion and educational activities; and
- Training for volunteers and health services providers concerning promotion of nutrition, physical activity, and health for individuals and families in cooperation with local and community partners.

Amount: \$350,000

LOI: N/R

Deadline: June 1, 2010

To learn more: http://www.nifa.usda.gov/funding/rfas/rural_health.html

Key Words: **Rural Health, Health Literacy, Farming, Health Promotion**

Social Network Analysis and Health (R01) and (R21)

New

PAR-10-145 and PAR-10-146

National Institutes of Health (NIH)

multiple institutes

This FOA encourages research that aims to accomplish one or more specific goals: (1) generate new theories that would enhance the capabilities and value of Social Network Analysis (SNA); (2) address fundamental questions about social interactions and processes in social networks; (3) address fundamental questions about social networks in relation to health and health-related behaviors; (4) develop innovative methodologies and technologies to facilitate, improve, and expand the capabilities of SNA.

Amount: varies

LOI: May 3, 2010; April 11, 2011; April 11, 2012

Deadline: June 3, 2010; May 11, 2011; May 11, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-145.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-10-146.html>

Key Words: **Social Network Analysis**

Air Force Fiscal Year 2011 Young Investigator Research Program

New

AFOSR-BAA-2010-3

Department of Defense (DoD)

The Air Force Office of Scientific Research (AFOSR)

The AFOSR's Young Investigator Research Program (YIP) is to support scientists and engineers who have received Ph.D. or equivalent degrees in the last five years (on or after 1 May 2005) and who show exceptional ability and promise for conducting basic

research. The objective of this program is to foster creative basic research in science and engineering, enhance early career development of outstanding young investigators, and increase opportunities for the young investigators to recognize Air Force mission and the related challenges in science and engineering. Proposals addressing the research areas of interest for the Air Force Research Laboratory will be considered.

Amount: \$360,000

LOI: White papers may be submitted via email directly to a program manager

Deadline: July 28, 2010

To learn more: <http://www.wpafb.af.mil/library/factsheets/factsheet.asp?id=9332>

Key Words: **Collective Behavior and Socio-Cultural Modeling, Mathematical Modeling of Cognition and Decision, Systems and Software**

AHRQ Small Research Grant Program (R03)

New

PA-10-168

Agency for Healthcare Research and Quality (AHRQ)

This Funding Opportunity Announcement (FOA) encourages Small Research Grant (R03) applications, and expresses AHRQ portfolio priority areas of interest for ongoing small research projects. The R03 grant mechanism supports different types of health services research projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and, development of new research technology.

Amount: \$100,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-168.html>

Key Words: **Comparative Effectiveness Research, Prescription Drugs and Medicare, Arthritis and Non-Traumatic Joint Disorders, Cancer, Cardiovascular Disease, Stroke, Hypertension, Dementia, Alzheimer's Disease, Depression, Developmental Delays, ADHD, Autism, Diabetes, Infectious Diseases, HIV/AIDS, Obesity, Peptic Ulcer, Dyspepsia, Pregnancy, Pulmonary Disease/Asthma, Substance Abuse**

2010-11 Scholars Program in Youth Settings Research

William T. Grant Foundation

An initiative of the William T. Grant Foundation, the William T. Grant Scholars Program is accepting applications from promising early-career researchers who want to tackle questions important to theory and either policy or practice for improving youth settings.

The program is designed to support promising early-career researchers from diverse disciplines who have demonstrated success in conducting high-quality research and are seeking to further develop and broaden their expertise. The foundation is interested in applicants trained across a range of social, behavioral, and health sciences. Applicants must submit a project that is consistent with the foundation's current research interests: addressing issues that have compelling relevance for theory and policies or practices affecting the settings of youth between the ages of 8 and 25 in the United States or a vulnerable sub-population of those youth.

Amount: \$350,000

LOI: N/R

Deadline: July 7, 2010

To learn more: http://www.wtgrantfoundation.org/funding_opportunities/fellowships/william_t_grant_scholars

Key Words: **Settings, Youth Development, Youth Policy, Identity Development**

The William T. Grant Scholars Program

William T. Grant Foundation

The William T. Grant Scholars Program supports promising early-career researchers from diverse disciplines, who have demonstrated success in conducting high-quality research and are seeking to further develop and broaden their expertise.

Candidates are nominated by a supporting institution and must submit five-year research plans that demonstrate creativity, intellectual rigor, and a commitment to continued professional development.

Amount: \$350,000

LOI: N/R

Deadline: July 7, 2010

To learn more: <http://www.wtgrantfoundation.org/File%20Library/Funding%20Opportunities/FAQs%20for%20Scholars.doc>

Key Words: **After School Program Evaluations, Youth Development, Policy and Practice that Affect Youth**

Association of Public Health Laboratories (APHL)

CDC-RFA-HM10-1001

U.S DEPARTMENT OF HEALTH AND HUMAN SERVICES

Centers for Disease Control and Prevention (CDC)
Association of Public Health Laboratories (APHL)

The purpose of the program is to enhance the work of public health laboratories in the U.S. and abroad. The program aims to promote quality public health laboratory practice, improve public health laboratory infrastructure, strengthen the public health laboratory system, and to develop a well-trained public health laboratory workforce in the U.S. and globally. It also aims to ensure laboratory preparedness for emerging infectious diseases or other biologic and chemical public health threats, promote technology transfer to ensure up-to-date technologies for the testing laboratory, and enhance communication linkages between state and local public health laboratories and the clinical laboratory testing community.

Amount: \$30,000,000

LOI: N/R

Deadline: April 23, 2010

To learn more:

<http://www07.grants.gov/search/search.do.jsessionid=nQnTLpJSSmdNJQRt1vQm5pvQPQ1n92n0JTcjinCqQywb9bjTSvS7X!-902325693?oppld=52458&mode=VIEW>

Key Words: **National Public Health Laboratory, Emergency Preparedness, Environmental Health, Food Safety, Global Health, Infectious Diseases, HIV/AIDS, TB, STDs, Viral Hepatitis, Influenza, Informatics, Laboratory Systems and Standards, Newborn Screening and Genetics,**

GPHRC Translational Research RFA

The Center for Clinical and Translational Research and Great Plains Health Research Consortium

UNMC's Center for Clinical and Translational Research (CCTR) has brought together regional institutions into a health research consortium, the "Great Plains Health Research Consortium" (GPHRC). The GPHRC has submitted a NIH Clinical and Translational Science Award (CTSA) proposal which hopes to speed research translation from "bench to bedside" and clinical trials into community-wide applications. UNMC is sponsoring the first GPHRC Seed Grant program, with the primary intent being to bring together new research teams representing 2 or more GPHRC institutions to generate the pilot data needed to support a new extramural grant proposal within the next 1-3 years. Applications that address the health priority areas of the GPHRC as identified below will be given priority in review for this RFA:

- Health disparities including rural health disparities
- Cancer
- Obesity-Diabetes-Vascular Disease (inclusive of cardiovascular and all other types of vascular disease)
- Infectious Diseases
- Musculoskeletal Disease
- Neurologic and Psychobehavioral Disease
- Alcohol and Smoking Related Disease
- Transplantation

Amount: \$100,000

LOI: N/R

Deadline: May 1, 2010

To learn more: http://ctsa.unmc.edu/ew_library_file/GPHRC%202010%20RFP.doc

Key Words: **Health Disparities, Cancer, Obesity, Diabetes, Vascular Disease, Infectious Disease, Musculoskeletal Disease, Neurological and Psychobehavioral Disease, Alcohol and Smoking Related Disease, Transplantation**

American Foundation for Suicide Prevention Invites Applications for Research Grants

The American Foundation for Suicide Prevention

AFSP research grants support studies that aim to increase understanding of the causes of suicide and factors related to suicide risk, or to test treatments and other interventions designed to prevent suicide. Investigators from all academic disciplines are eligible to apply, and both basic science and applied research projects will be considered, providing the study has an essential focus on suicide or suicide prevention. AFSP grants are awarded for one or two-year periods.

Amount: varies

LOI: N/R

Deadline: submission deadlines of Dec. 15 and June 15; annually

To learn more: http://www.afsp.org/index.cfm?fuseaction=home.viewPage&page_id=0535FDA2-FA7D-AAE8-D7A9A6BCFFE3574B

Key Words:

Changes in Health Care Financing and Organization (HCFO)

Robert Wood Johnson Foundation (RWJF)

This program supports policy analysis, research, evaluation and demonstration projects that provide policy leaders timely information on health care policy and financing issues. This Call for Proposals is intended to support projects that: 1) examine significant issues and interventions related to health care financing and organization and their effects on health care costs, quality and access; and 2) explore

or test major new ways to finance and organize health care that have the potential to improve access to more affordable and higher quality health services.

Amount: >\$100,000

LOI: N/R

Deadline: Grants are awarded on a rolling basis; proposals may be submitted at any time

To learn more: <http://www.rwjf.org/applications/solicited/cfp.jsp?ID=19274&c=EMC-ADV>

Key Words: **Health Care Policy, Health Care Financing**

Mentored Research Scientist Research Career Development Award (K01)

PAR-09-087

Office of Extramural Research, Education and Priority Populations (OEREP)

The primary purpose of the AHRQ Mentored Research Scientist Research Career Development Awards (K01) program is to prepare qualified individuals for careers that have a significant impact on the quality, safety, efficiency, and effectiveness of health care for all Americans. This program represents the continuation of an AHRQ program that provides support and "protected time" to individuals with a research doctoral degree for an intensive, supervised research career development experience in health services research. The K01 award can be used both by individuals who propose to newly embark in health services research training and those who had a hiatus in their research careers because of illness or family circumstances. The K01 award is also available to promote research workforce diversity by providing enhanced research career development opportunities.

Amount: varies

LOI: N/A

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-087.html>

Key Words: **Health Services Research**

Science, Technology, and Society

NSF 08-553

NSF

STS considers proposals that examine historical, philosophical, and sociological questions that arise in connection with science, engineering, and technology, and their respective interactions with society. [STS has four components: 1. Ethics and Values in Science, Engineering and Technology (EVS), 2. History and Philosophy of Science, Engineering and Technology (HPS), 3. Social Studies of Science, Engineering and Technology (SSS), and 4. Studies of Policy, Science, Engineering and Technology (SPS).]

Amount: The maximum award (indirect costs excluded) is normally \$180,000
multiple funding levels available, including summer research programs

LOI: N/R

Deadline: February 1 annually; August 1 annually

To learn more: http://www.nsf.gov/pubs/2008/nsf08553/nsf08553.htm?govDel=USNSF_25

Key Words:

Methodology, Measurement, and Statistics (MMS)

NSF 08-561

NSF

The MMS Program seeks proposals that are methodologically innovative, grounded in theory, and have potential utility for multiple fields within the social, behavioral, and economic sciences. Successful proposals often integrate across the following areas: The development, application, and extension of formal models and methodology for social and behavioral research, including methods for improving measurement. The proposed research must have implications for one or more of the social and behavioral sciences. The development of formal models that cross traditional disciplinary boundaries, including research on statistical methodology or statistical modeling having direct implications for one or more of the social and behavioral sciences. Research on methodological aspects of new or existing procedures for data collection, including methodology for survey research, and research to evaluate or compare existing data bases and data collection procedures. The collection of unique databases with cross disciplinary implications, especially when paired with developments in measurement or methodology. The organizational infrastructure of social and behavioral research.

Amount: varies

LOI: N/R

Deadline: August 16, annually; January 16, annually

To learn more: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08561

Key Words: **Statistical Surveys, Mental Health Assessment**

NLM Express Research Grant in Biomedical Informatics (R01)

PAR-08-080

NIH, NLM (National Library of Medicine)

The National Library of Medicine supports research grants that advance the sciences of biomedical informatics and bioinformatics. Informatics is concerned with the optimal management of information, and in practice is usually located at the intersection of computer and information sciences with an application domain such as health care, public health, basic biomedical research or clinical translational research.

Amount: varies

LOI: N/R

Deadline: multiple dates, see announcement

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-080.html>

Key Words:

Epidemiology of Drug Abuse (R01)

PA-08-124

NIH

This funding opportunity announcement (FOA) encourages Research Project Grant (R01) proposals to expand the application of drug abuse epidemiologic research focused on understanding the nature, extent, consequences, and etiology of drug abuse across individuals, families, age groups, gender, communities, and population groups.

Amount: unspecified

LOI: N/R

Deadline: May 7, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-124.html>

Key Words:

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:

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:

ELSI Regular Research Program (R01)

PA-08-012

NIH

This Funding Opportunity Announcement (FOA) issued by the National Human Genome Research Institute, National Institutes of Health, encourages Research Program Grant (R01) applications from institutions/organizations that propose to study the ethical, legal and social implications (ELSI) of human genome research.

Amount: unspecified

LOI: N/R

Deadline: multiple dates, see announcement

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-012.html>

Key Words:

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:

ELSI Small Research Program (R03)

PA-08-013

NIH

This Funding Opportunity Announcement (FOA) issued by the National Human Genome Research Institute, National Institutes of Health, encourages Small Research Grant (R03) applications from institutions/organizations that propose to study the ethical, legal and social implications (ELSI) of human genome research. This announcement is specifically designed to: 1) encourage the development of small, focused research projects by legal, historical, ethics, humanities, social sciences and behavioral scholars; 2) support exploratory studies that may provide preliminary findings or pilot data for larger research proposals; 3) support the secondary analysis of existing data; 4) support the development of new methodologies; and 5) stimulate and facilitate the entry of promising new investigators into ELSI Research.

Amount: \$100,000 over 2 years

LOI: N/R

Deadline: multiple dates, see announcement

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-013.html>

Key Words:

Genetic Susceptibility and Variability of Human Structural Birth Defects (R01)

PA-08-011

NICHHD, NIDCR, NIEHS

This Funding Opportunity Announcement (FOA) encourages innovative investigator-initiated applications designed to study fundamental developmental processes using animal models in conjunction with translational/clinical approaches with the goal of advancing our understanding of the etiology of structural birth defects. In 2000, the Developmental Biology, Genetics and Teratology Branch at NICHD began its Birth Defects Initiative with the funding of a number of research grants and program projects focused on the use of molecular genetic approaches for the study of genetic susceptibility, epidemiology, and developmental biology of human congenital structural malformations. These grants established the basis for a working group of investigators, who meet annually to present research updates, share ideas and technical advances, establish new collaborations, and provide input and advice to NICHD staff. Applicants funded through this FOA will join the NICHD's Birth Defects Special Interest Group and participate in annual meetings designed to provide a forum to discuss research progress, exchange ideas, share resources, and foster collaborations relevant to the goals of the NICHD's Birth Defects Initiative.

Amount: unspecified

LOI: N/R

Deadline: Multiple dates, see announcement

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-011.html>

Key Words:

NCI Transition Career Development Award to Promote Diversity (K22)

PAR-08-047

NCI

This Funding Opportunity Announcement (FOA) represents the continuation of an NCI program to make possible the diversification of the cancer research workforce via facilitation of the transition of investigators from minority groups underrepresented in biomedical research, primarily those with clinical doctoral degrees as well as those with doctoral degrees working in the areas of cancer prevention, control, behavioral, or population science research, from the mentored stage of career development in academic cancer research to the independent stage. This goal is achieved by providing protected time through salary and research support for 3 years to: postdoctoral individuals or junior faculty in mentored positions transitioning into their first independent position; and investigators within the first 2 years of their first independent cancer research position, to initiate and develop their independently-supported cancer research programs.

Amount: 3 years of salary (up to \$75,000 per annum plus fringe benefits) and research support up to \$50,000 per annum.

LOI: N/R

Deadline: multiple, see listing

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-047.html>

Key Words:

Behavioral Systems

PD 07-7472

National Science Foundation (NSF)

Directorate for Biological Sciences (BIO)

Division of Integrative Organismal Systems (IOS)

The Behavioral Systems Cluster supports research on the development, function, mechanisms, and evolutionary history of behavior, with emphasis on a vertically integrated understanding of the behavioral phenotype in nature. To foster this integrative goal, the Cluster specifically encourages projects that seek to understand how combinations of neural, hormonal, physiological, and developmental mechanisms act synergistically as a system from which behavior emerges. Laboratory work or the study of animals in captivity is encouraged, to the extent that it contributes to the understanding of behavior in natural systems.

Amount: \$140,000

LOI: N/R

Deadline: January 12; July 12; Annually

To learn more: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501086

Key Words: Behavioral Phenotype, Behavior, Evolutionary Biology

Research On Ethical Issues In Human Subjects Research (R03), (R21), and (R01)

PA-06-367 and PA-06-368 and PA-07-277

National Institutes of Health (NIH), multiple agencies

The National Institutes of Health (NIH) invites research grant applications to investigate ethical issues in human subjects research.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-06-367.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-06-368.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-07-277.html>

Key Words: Ethics, Human Subjects

Behavioral and Social Science Research on Understanding and Reducing Health Disparities (R01) and (R21)

PAR-10-136 and PAR-10-137

National Institutes of Health (NIH)

Office of Behavioral and Social Sciences Research (OBSSR)

multiple other institutes

To encourage behavioral and social science research on the causes and solutions to health and disabilities disparities in the U. S. population. Health disparities between, on the one hand, racial/ethnic populations, lower socioeconomic classes, and rural residents and, on the other hand, the overall U.S. population are major public health concerns. Emphasis is placed on research in and among three broad areas of action: 1) public policy, 2) health care, and 3) disease/disability prevention. Particular attention is given to reducing "health gaps" among groups. Proposals that utilize an interdisciplinary approach, investigate multiple levels of analysis, incorporate a life-course perspective, and/or employ innovative methods such as system science or community-based participatory research are particularly encouraged.

Amount: varies

LOI: August 14, 2010, December 11, 2010, April 11, 2011, August 14, 2011, December 11, 2011, April 11, 2012, August 14, 2012, December 14, 2012, April 11, 2013
Deadline: September 14, 2010, January 11, 2011, May 11, 2011, September 14, 2011, January 11, 2012, May 11, 2012, September 14, 2012, January 14, 2013, May 11, 2013
To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-136.html> <http://grants.nih.gov/grants/guide/pa-files/PA-10-137.html>
Key Words: **Health Disparities**

Science of Behavior Change: Finding Mechanisms of Change in the Laboratory and the Field (R01)

RFA-RM-10-002

National Institutes of Health (NIH)

Multiple Institutes

This FOA solicits Research Project Grant (R01) applications that will improve understanding of the basic mechanisms of behavior change by bridging work in the laboratory and the field. This understanding will advance several goals, including: the identification of the optimal targets and timepoints in the lifecourse for intervention; the identification of common mechanisms of change related to either multiple or bundled health behaviors; the ability to tailor interventions to particular at-risk individuals or groups; the application of novel technologies for behavioral assessment and change; and the identification of individuals or groups most likely to benefit from specific interventions. This initiative seeks to establish the groundwork for a unified science of behavior change, capitalizing on emerging basic science to accelerate investigation of common mechanisms that play a role in initiating or maintaining behavior change and are applicable across a broad range of health-related behaviors. Approaches from behavioral economics; the social, behavioral, cognitive and affective neurosciences; neuroeconomics; behavior genetics and genomics; and systems science are specifically encouraged. By focusing basic research on the mechanisms of behavior change, and by integrating work across laboratory and field contexts, this initiative should transform the efficacy, effectiveness, and cost efficiency of behavior change interventions.

Amount: \$2,000,000

LOI: March 29, 2010

Deadline: April 26, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-10-002.html>

Key Words: **Behavioral Interventions**

Scientific Meetings for Creating Interdisciplinary Research Teams (R13)

PA-10-106

National Institutes of Health (NIH)

Multiple Institutes

This FOA solicits Research Project Grant (R01) applications that will improve understanding of the basic mechanisms of behavior change by bridging work in the laboratory and the field. This understanding will advance several goals, including: the identification of the optimal targets and timepoints in the lifecourse for intervention; the identification of common mechanisms of change related to either multiple or bundled health behaviors; the ability to tailor interventions to particular at-risk individuals or groups; the application of novel technologies for behavioral assessment and change; and the identification of individuals or groups most likely to benefit from specific interventions. This initiative seeks to establish the groundwork for a unified science of behavior change, capitalizing on emerging basic science to accelerate investigation of common mechanisms that play a role in initiating or maintaining behavior change and are applicable across a broad range of health-related behaviors. Approaches from behavioral economics; the social, behavioral, cognitive and affective neurosciences; neuroeconomics; behavior genetics and genomics; and systems science are specifically encouraged. By focusing basic research on the mechanisms of behavior change, and by integrating work across laboratory and field contexts, this initiative should transform the efficacy, effectiveness, and cost efficiency of behavior change interventions.

Amount: \$2,000,000

LOI: March 29, 2010

Deadline: April 26, 2010

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-106.html>

Key Words: **Behavioral Interventions**

NIH Small Research Grant Program (Parent R03)

PA-10-064

National Institutes of Health (NIH)

multiple institutes

The National Institutes of Health (NIH) Investigator-Initiated Small Grant (R03) funding opportunity supports small research projects that can be carried out in a short period of time with limited resources. Investigator-initiated research, also known as unsolicited research, is research funded as a result of an investigator submitting a research grant application to NIH in an investigator's area of interest and competency. All investigator-initiated small grant applications described in this announcement will be assigned to NIH Institutes and Centers (ICs) according to standard Public Health Service (PHS) referral guidelines and specific program interests. Investigators are strongly encouraged to consult the list of participating ICs and special research interests. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects;

development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.

Amount: \$100,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-064.html>

Key Words: **Genome Research, Drug Abuse, Aging, Child Health and Development, Nursing**

Independent Scientist in Global Health Award (ISGHA) (K02)

PAR-10-065

National Institutes of Health (NIH)

Fogarty International Center (FIC)

The purpose of the Independent Scientist Award in Global Health (K02) is to foster the development of outstanding scientists and enable them to expand their potential to make significant contributions to their field of research in global health. The K02 award provides three, four, or five years of research and salary support, and “protected time” for newly independent scientists who can demonstrate the need for a period of intensive research focus as a means of enhancing their research careers. Each independent scientist career award program must be tailored to meet the individual needs of the candidate.

Amount: varies

LOI: N/R

Deadline: March 1, 2011; March 1, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-065.html>

Key Words: **Global Health**

Understanding and Promoting Health Literacy (R01) and (R03) and (R21)

PAR-10-133 and PAR-10-134 and PAR-10-135

National Institutes of Health (NIH)

Agency for Healthcare Research and Quality (AHRQ)

multiple institutes

The ultimate goal of this program announcement is to encourage empirical research on health literacy concepts, theory and interventions as these relate to the U.S. Department of Health and Human Services' public health priorities that are outlined in its Healthy People initiative. Health literacy is defined as the degree to which individuals have the capacity to obtain, process, and understand basic health information and services needed to make appropriate health decisions.

Mechanism of Support. This FOA will utilize the R01 grant mechanism and runs in parallel with FOAs of identical scientific scope, PAR-10-134 that encourages applications under the R03 grant mechanism, and PAR-10-135, that encourages applications under the R21 grant mechanism.

Amount: varies

LOI: 30 days before application due date

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-133.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-10-134.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-10-135.html>

Key Words: **Health Literacy**

Genetic Epidemiology of Substance Use Disorders (R03)

PA-07-414

National Institutes of Health (NIH)

The National Institute on Drug Abuse (NIDA) and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) seek to stimulate and expand research applying genetic epidemiologic methods to studies of substance and alcohol use disorders (SUDs/AUD, drug or alcohol abuse and dependence). Previous studies using twin, adoption, and family approaches indicate that genetic factors substantially contribute to the vulnerability to SUDs/AUD. Shared environmental factors have also been shown strongly to influence risk, particularly for the onset of substance and alcohol use, while heritability estimates generally rise with age and with progression from substance use to disorder. Significant advances have been made in our understanding of the developmental nature of the onset and progression of SUDs/AUD and in defining a disinhibited phenotype. Building on these findings, new studies are needed to apply genetic epidemiologic approaches to advance our understanding of a variety of developmental trajectories of SUD/AUD; integrate as well as differentiate genetic, environmental, and developmental factors in the onset and maintenance of SUD/AUD; broaden and refine phenotypic definitions of SUDs/AUD; guide the translation of etiologic findings to treatment, prevention, gene-finding and molecular studies; and meet the methodologic challenges of the field.

Amount: \$100,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-414.html>

Key Words: **Addictions, Alcohol or Alcoholism, Alcoholism Prevention, Genetics, Substance Abuse, Substance Abuse Prevention**

Health Services Research on the Prevention and Treatment of Drug and Alcohol Abuse [(R01) PA-08-263] and [(R21) PA-08-264] and [(R03) PA-08-265]

PA-08-263 and PA-08-264 or PA-08-265

National Institutes of Health (NIH)

This Funding Opportunity Announcement (FOA) issued by the National Institute on Drug Abuse (NIDA) and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) encourages Research Project Grant (R01) applications on health services research to improve the quality of prevention and treatment services for drug and alcohol abuse. Such research projects might emphasize any of the following subjects: (1) clinical quality improvement; (2) organizational/managerial quality improvement; (3) systems of care and collaborative research; or (4) development or improvement of research methodology, analytic approaches, and measurement instrumentation used in the study of drug and alcohol services. -Mechanism of Support. This FOA will utilize the NIH Research Project Grant (R01) award mechanism and runs in parallel with FOAs of identical scientific scope, PA-08-264 and PA-08-265 that encourage applications under the Exploratory/Developmental Grant (R21) and Small Research Grant (R03) award mechanisms, respectively.

Amount: varies

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-263.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-264.html> or <http://grants.nih.gov/grants/guide/pa-files/PA-08-265.html>

Key Words: **Drug Addiction, Treatment Plans, Drug and Alcohol Services**

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**

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) - PA-06-468/PA-08-226

PA-06-468/PA-08-226

National Institutes of Health (NIH)

The objective of the National Research Service Award (NRSA) program is to provide predoctoral and postdoctoral research training opportunities for individuals interested in pursuing research careers in biomedical, behavioral and clinical research. Each NIH Institute and Center has a unique scientific purview and different program goals and initiatives that evolve over time. It is therefore critical that all applicants consult with the scientific/research contact at the relevant NIH Institute or Center for current information about program priorities and policies before preparing an application. This action is of utmost importance because applications with marginal or no relevance to the NIH awarding components participating in this funding opportunity announcement will not be accepted for review or considered for funding.

Amount: varies

LOI: N/R

Deadline: Jan 25 annually; May 25 annually

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-226.html>

Key Words: **Alcohol or Alcoholism, Allergy, Alternative Medicine, Arthritis, Biomedical Research (Multidisciplinary), Blood Diseases, Cancer or Carcinogenesis, Cardiovascular Diseases, Deafness, Diabetes, Digestive Diseases and Disorders, Drug Abuse Prevention, Environmental Health, Eye Diseases, Genomics, Geriatrics, Infectious Diseases or Agents, Internal**

Economics of Treatment and Prevention Services for Drug & Alcohol Abuse [(R03) PA-08-172] and [(R21) PA-08-173] and [(R01) PA-08-174]

PA-08-172 and PA-08-173 or PA-08-174

National Institute on Drug Abuse

National Institute on Alcohol Abuse and Alcoholism

This Funding Opportunity Announcement (FOA) issued by the National Institute on Drug Abuse (NIDA) and the National Institute on Alcohol Abuse and Alcoholism (NIAAA) encourages Research Project Grant (R03) applications on the economics of prevention and treatment services for drug and alcohol abuse. Such research projects might emphasize any of the following subjects: (1) financing and purchasing of drug and alcohol treatment and prevention services, including studies of health insurance and payment mechanisms; (2) economic incentives used to improve the quality and economic efficiency of treatment and prevention services (3) alternative delivery systems and managed care; (4) cost-benefit, cost-effectiveness, or cost-utility analyses; (5) service costs, production, and economic efficiency; and (6) research to develop or improve methods to be used in the economic study of drug and alcohol services. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.

Amount: \$50,000

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-172.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-173.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-174.html>

Key Words: **Alcoholism, Epidemiology**

Accelerating the Pace of Drug Abuse Research Using Existing Epidemiology, Prevention, and Treatment Research Data (R01)

PAR-10-018

National Institute on Drug Abuse (NIDA)

National Cancer Institute (NCI)

Office of Behavioral and Social Science Research (OBSSR)

The National Institute on Drug Abuse (NIDA) and the National Cancer Institute (NCI) invite applications to support the innovative analysis of existing social science and behavioral data to study the etiology and epidemiology of drug using behaviors (defined as alcohol, tobacco, and other drug), HIV risk behaviors, related disorders, prevention and treatment of these behaviors, and health service utilization including quality, access, and costs. NIDA and NCI encourage coordinated analyses of substance abuse research data that are in public use or that are privately held by a principal investigator.

Amount: \$450,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-018.html>

Key Words: **Risk Behaviors**

Drug Abuse 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**

Drug Abuse Dissertation Research: Epidemiology, Prevention, Treatment, Services, and/or Women and Sex/Gender Differences (R36)

PAR-10-020

National Institute on Drug Abuse (NIDA)

The purpose of this Funding Opportunity Announcement (FOA) is to invite applications for support of drug abuse doctoral dissertation research in epidemiology, prevention, treatment, services, and/or women and sex/gender differences.

Amount: \$100,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-020.html>

Key Words: **Drug Abuse**

Drug Abuse Prevention Intervention Research [(R01) PA-08-217] and [(R21) PA-08-218] and [(R03) PA-08-219]

PA-08-217 and PA-08-218 and PA-08-219

National Institute on Drug Abuse (NIDA)

The purpose of this FOA is to encourage Research Project Grant (R01) applications from institutions/organizations that propose to advance the science of drug abuse and drug-related HIV prevention through 1) the development of novel prevention approaches, 2) the testing of novel and adapted prevention intervention approaches 3) the elucidation of processes associated with the selection, adoption, adaptation, implementation, sustainability, and financing of empirically validated interventions, and 4) the development of new methodologies suitable for the design and analysis of prevention research studies. Programs of research are intended to provide pathways toward the discovery of population-level approaches for the prevention of drug abuse and dependence, drug-related problems (such as interpersonal violence, criminal involvement, and productivity loss), and drug related illness (such as comorbid drug and mental health problems or comorbid infections including HIV, hepatitis B, and hepatitis C).

Amount: varies

LOI: N/R

Deadline: Standard dates apply,

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**

Mechanism for Time-Sensitive Drug Abuse Research (R01)

PAR-10-072

National Institute on Drug Abuse (NIDA)

This Funding Opportunity Announcement (FOA) is issued by the National Institute on Drug Abuse (NIDA), National Institutes of Health (NIH). The FOA is intended to support substance abuse prevention and treatment services research in rapidly evolving areas (e.g., changes in service systems, health care financing, policy, natural/man-made disasters, etc) where opportunities for empirical study are, by their very nature, only available through expedited review and award of support. There are three distinguishing features of an eligible study: 1) the study's scientific value and feasibility are clear, 2) rapid review and funding are required in order for the scientific question to be answered, and 3) the knowledge gained from the study is time-sensitive and seeking funding through the regular NIH cycle of review and award would result in a missed opportunity to conduct the research. It should be clear that the research question offers an uncommon and scientifically significant research opportunity that could only become available if the project is initiated with minimum delay.

Amount: varies

LOI: 4 weeks prior to planned submission date

Deadline: June 9, 2010, September 10, 2010 December 9, 2010, March 9, 2011, June 9, 2011, September 9, 2011, December 9, 2011, March 9, 2012, June 8, 2012, September 10, 2012, December 10, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-072.html>

Key Words: **Substance Abuse Prevention, Policy**

Pilot and Feasibility Studies in Preparation for Drug Abuse Prevention Trials (R34)

PA-09-146

National Institute on Drug Abuse (NIDA)

This FOA for R34 applications seeks to support: (a) pilot and/or feasibility testing of new, revised, or adapted preventive intervention approaches targeting the initiation of drug use, the progression to abuse or dependence, and the acquisition or transmission of HIV

infection among diverse populations and settings; and (b) pre-trial feasibility testing for prevention services and systems research. The NIDA R34 mechanism does not support the development of intervention protocols, manuals, or the standardization of protocols. It is expected that research conducted via this R34 mechanism will consist of early stage efficacy, effectiveness or services research that will provide intervention pilot and/or feasibility data that is a pre-requisite for submitting larger drug abuse and/or drug-related HIV prevention intervention studies.

Amount: \$450,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-146.html>

Key Words: **Drug Use, Progression to Addiction**

Science Education Drug Abuse Partnership Award – R25

PAR-08-145

National Institute on Drug Abuse

This funding opportunity announcement (FOA) solicits Research Education (R25) grant applications to fund the development and evaluation of innovative model programs and materials for enhancing knowledge and understanding of neuroscience and the biology of drug abuse and addiction among K-12 students, the general public, health care practitioners, and other groups. The award provides support for the formation of partnerships between scientists and educators, media experts, community leaders, and other interested organizations for the development and evaluation of programs and materials that will enhance knowledge and understanding of science related to drug abuse. The intended focus is on topics not well addressed in existing efforts by educational, community, or media activities.

Amount: limited to \$250,000/year.

LOI: N/R

Deadline: Application Receipt/Submission Date(s): May 25, 2010

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-145.html>

Key Words:

Medications Development for Polydrug Addiction Treatment [(R01) PAS-08-186] and [(R21) PAS-08-187]

PAS-08-186 and PAS-08-187

National Institute on Drug Abuse

The National Institute on Drug Abuse (NIDA) is seeking medication discovery and development research grant applications focused on the treatment of patients who are simultaneously addicted to multiple substances, including alcohol, tobacco, illicit drugs and/or prescription drugs. Novel proposals for clinical or preclinical testing of potential medications, as well as relevant animal model development and medicinal chemistry efforts are encouraged.

Amount: \$2,500,000

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAS-08-186.html> and <http://grants.nih.gov/grants/guide/pa-files/PAS-08-187.html>

Key Words: **Drug Abuse, Drug Development**

Senior Scientist Research and Mentorship Award (K05)

PA-09-076

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

National Institute on Drug Abuse (NIDA)

The Senior Scientist Research and Mentorship Award (K05) is intended to provide outstanding senior scientists protected time to focus on and enhance their research and to carry out mentoring of new investigators. Candidates for the Senior Scientist Research and Mentorship Award (K05) should be recognized leaders in the alcohol, or drug abuse, or related research fields who have demonstrated a sustained, high level of productivity and a distinguished record of original contributions in their field, and whose expertise and contributions to these research fields will continue to be critical to the missions of the NIAAA or NIDA. Each candidate must demonstrate both the need for protected time to further their field of research and a commitment to serve as a mentor to new investigators or junior faculty who are currently performing or will begin to perform alcohol, or drug abuse, or related research. Mentored investigators should have an independent, full-time appointment at their institution; this can be in either non-tenure or tenure-track positions.

Amount: up to \$450,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-076.html>

Key Words: **Alcohol abuse, Drug abuse**

Alcohol, Decision-Making, and Adolescent Brain Development (R01) and (R21)

PA-09-097

PA-09-096

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

This FOA issued by the National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, encourages Research Project grants (R01) applications from institutions/organizations that propose to study decision-making processes in adolescents as they relate to drinking behavior, and the role of neural circuitry development in adolescent decision-making and alcohol abuse and dependence.

Amount: unspecified

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-097.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-096.html>

Key Words: **Alcoholism, Adolescent Behavior**

Alcohol Use Disorders: Treatment, Services Research, and Recovery (R21)

PA-08-008

National Institute on Alcohol Abuse and Alcoholism

This Funding Opportunity Announcement (FOA), issued by the National Institute on Alcohol Abuse and Alcoholism (NIAAA), National Institutes of Health (NIH), encourages Exploratory/Developmental (R21) grant applications from institutions/organizations that utilize innovative approaches to research on: behavioral and pharmacological treatment for alcohol use disorders; organizational, financial, and management factors that facilitate or inhibit the delivery of services for alcohol use disorders; and/or on the phenomenon of recovery from alcohol use disorders. (NIH), encourages Exploratory/Developmental (R21) grant applications from institutions/organizations that utilize innovative approaches to research on: behavioral and pharmacological treatment for alcohol use disorders; organizational, financial, and management factors that facilitate or inhibit the delivery of services for alcohol use disorders; and/or on the phenomenon of recovery from alcohol use disorders.

Amount: \$275,000

LOI: N/R

Deadline: Multiple dates, see announcement

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-008.html>

Key Words:

Secondary Analyses of Social and Behavioral Datasets in Aging (R03)

PA-10-139

National Institute on Aging (NIA)

This Funding Opportunity Announcement (FOA), issued by the National Institute on Aging (NIA), is seeking small grant (R03) applications to conduct secondary analysis of social and behavioral data in aging. Specifically, NIA seeks applicants to: 1) stimulate and facilitate secondary analysis of data related to dynamics of health and disability, cognition, psychosocial and sociodemographic factors, genetics, and biomarkers, long term care, caregiving, behavioral medicine, retirement, economic status; 2) provide support for preliminary projects using secondary analysis that could lead to subsequent applications for other research grant award mechanisms; 3) provide support for analyses of new databases and experimental modules for purposes such as informing the design and content of future study waves; and 4) provide support for pilot research on under-utilized databases.

Amount: \$100,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-139.html>

Key Words: **Aging, Secondary Analysis, Existing Databases**

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**

Epigenetic Factors Associated with Symptoms and Complications of Chronic Disorders (Competitive Revision R01) and (R01)

RFA-NR-10-005 and RFA-NR-10-004

National Institute of Nursing Research (NINR),

The National Institute of Nursing Research (NINR) invites applications to stimulate research that addresses underlying epigenetic factors in symptom expression and complications resulting from chronic disorders. It is anticipated that the findings from this research will help 1) identify individuals at the highest risk for developing severe symptoms and complications secondary to chronic disorders, 2) maximize symptom management, and 3) reduce, prevent, or reverse the occurrence of complications.

Amount: varies

LOI: April 17, 2010

Deadline: May 17, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-NR-10-005.html> and <http://grants.nih.gov/grants/guide/rfa-files/RFA-NR-10-004.html>

Key Words: **Chronic Disorders, Epigenetics, Symptom Management, Environmental Triggers, Epigenetic Predictors**

Countermeasures Against Chemical Threats (CounterACT) Exploratory/Developmental Projects in Translational Research (R21)

PAR-10-019

National Institute of Neurological Disorders and Stroke (NINDS)

National Eye Institute (NEI)

National Institute of Allergy and Infectious Diseases (NIAID)

National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)

National Institute of

This Funding Opportunity Announcement (FOA) requests applications for exploratory/developmental translational research on therapeutics for reducing mortality and morbidity caused by acute exposures to chemical threat agents. Chemical threats include traditional chemical warfare nerve agents such as sarin and VX, toxic industrial chemicals such as cyanide and chlorine, and toxic agricultural chemicals such as parathion and sodium fluoroacetate. Projects supported by this FOA are expected to generate preliminary data that would enable the development of competitive applications for more extensive support from the NIH CounterACT program (see www.ninds.nih.gov/counteract for a description) and other related research and development programs.

Amount: \$500,000

LOI: January 4, 2011, 2012

Deadline: February 1, 2011, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-019.html>

Key Words: **Chemical Threat, Warfare Agents, Counter Measures**

Dissemination and Implementation Research in Health (R01), (R03) and (R21)

PAR-10-038 and PAR-10-039 and PAR-10-040

National Institute of Mental Health (NIMH)

National Cancer Institute (NCI)

National Heart, Lung, and Blood Institute (NHLBI)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

National Institute of Allergy and Infectious Diseases (NIAID)

National

This Funding Opportunity Announcement (FOA) encourages investigators to submit research grant applications that will identify, develop, and refine effective and efficient methods, structures, and strategies to disseminate and implement research-tested health behavior change interventions and evidence-based prevention, early detection, diagnostic, treatment, and quality of life improvement services into public health and clinical practice settings.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-038.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-039.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-040.html>

Key Words: **Health Behavior Change/Intervention**

Interventions And Practice Research Infrastructure Program (IP-RISP) (R24)

PAR-06-441

National Institute of Mental Health (NIMH)

The National Institute of Mental Health (NIMH) seeks research partnerships between community-based, clinical/services settings and research institutions to enhance the national capacity to conduct research that will inform mental health services research science, service delivery, program dissemination and implementation, and mental health policy. The IP-RISP seeks to foster an active, synergistic partnership between mental health researchers and community-based, clinical/services staff, clinicians and patients/clients to: (1) advance our knowledge about developing research infrastructure in community settings and the establishment of collaborative partnerships; (2) identify and incorporate those factors (e.g., organizational, sociocultural, interpersonal) in community settings that may be associated with quality care and optimal outcomes for patients and clients; and (3) plan, test, and implement services research interventions (treatment, rehabilitative, and preventive) in community settings.

Amount: varies up to \$500,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-06-441.html>

Key Words: **Community Based Research**

Short Courses on Mathematical, Statistical, and Computational Tools for Studying Biological Systems (R25)

PA-09-002

National Institute of General Medical Sciences (NIGMS)

National Center for Complementary and Alternative Medicine (NCCAM)

National Institute on Aging (NIA)

National Institute of Mental Health

This FOA issued by the National Institute of General Medical Sciences, the National Center for Complementary and Alternative Medicine, the National Institute on Aging and the National Institute of Mental Health encourages applications for Research Education Grants (R25) from institutions and organizations to conduct workshops and short courses to improve integration of mathematical, statistical, and computational approaches into biological and/or behavioral research. Support will be limited to activities that reach a wide audience of researchers. The program announcement is NOT intended for university course or curriculum development.

Amount: \$1,000,000

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-002.html>

Key Words: **Statistical Analysis, Behavioral Research, Computational Analysis**

Short Term Career Development Award in the Environmental Health Sciences for Established Investigators (K18)

PAR-09-090

National Institute of Environmental Health Sciences (NIEHS)

The purpose of these short term career development awards is to allow established, well funded clinician investigators to expand research programs to answer questions relevant to the environmental health sciences, and to provide established environmental health sciences research investigators the tools to expand their efforts to translational research.

Amount: varies

LOI: N/A

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-090.html>

Key Words: **Environmental Health Sciences**

Mechanism for Time-Sensitive Research Opportunities in Environmental Health Sciences (R03) and (R21)

PAR-10-083 and PAR-10-084

National Institute of Environmental Health Sciences (NIEHS)

This funding opportunity announcement (FOA) is intended to support research in which an unpredictable opportunity has arisen to collect human or animal biosample baseline or exposure data (e.g., following natural or made-made disasters, health care policy changes; etc). The distinctive element of the project should be the need for empirical study for a situation that was not foreseeable and is achievable only if begun within a short time frame.

Amount: \$100,000-\$275,000

LOI: Monthly throughout the open period; see announcement

Deadline: Monthly throughout the open period; see announcement

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-083.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-10-084.html>

Key Words: **Environmental Health**

Health Disparities in NIDDK Diseases (R01)

PA-09-262

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

National Institute of Nursing Research (NINR)

The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) and the National Institute of Nursing Research (NINR) of the National Institutes of Health (NIH) seek research to understand and mitigate issues of health disparities in high priority diseases within their scope, including diabetes, obesity, nutrition-related disorders, hepatitis C, gallbladder disease, H. Pylori infection, sickle cell disease, kidney diseases, urologic diseases, hematologic diseases, metabolic, gastrointestinal, hepatic, and renal complications from infection with HIV. NINR promotes and improves the health of individuals, families, communities, and populations, supports and conducts clinical and basic research and research training on health and illness across the lifespan.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-262.html>

Key Words: **Diabetes, Health Disparities, Nursing, Clinical and Basic Research**

Home and Family Based Approaches for the Prevention or Management of Overweight or Obesity in Early Childhood (R21) and (R01)

PA-10-128 and PA-10-127

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

National Heart, Lung and Blood Institute (NHLBI)

Office of Behavioral and Social Sciences Research (OBSSR)

Office of Disease Prevention (ODP)

This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Heart, Lung and Blood Institute (NHLBI), the Office of Behavioral and Social Sciences Research (OBSSR) and the Office of Disease Prevention (ODP), National Institutes of Health, invites exploratory pilot/feasibility study and small clinical trial (R21) applications from institutions/organizations that propose to test novel home or family based interventions for the prevention or management of overweight in infancy and early childhood. Tested interventions can use behavioral (including dietary and physical activity), environmental, or other relevant approaches. Applications should focus on infants and young children (to age six years) and emphasize the role of home environment and the influence of family/extended family members and parents (including guardians/substantial care-providers) within the child's home environment. The direct goal of this initiative is to fund research that will advance knowledge for innovative approaches to the prevention or management of overweight in children less than 6 years of age, with potential for future research clinical trial applications either in the home or linked to a community setting. Research should consider the role of families in the initiation, support, and reinforcement of fundamental food and beverage consumption, physical activity practices, and sedentary behaviors. In addition it is of interest to elucidate various underlying behavioral determinants that are crucial to initiate or sustain changes in behaviors that impact energy balance. Research designs may include linkages with other settings (e.g., daycare, pre-school, or other community venues) or other care providers (e.g., health care providers or teachers) but must include infants or children less than age six years as the primary study participant along with parents, and/or other family members residing with the child. The overarching goal is to identify interventions that influence parent and child behaviors that contribute to inappropriate weight gain, and thereby improve subsequent health status in childhood, adolescence, and adulthood for which overweight is a known risk factor.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-128.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-127.html>

Key Words: **Obesity**

Deletion of Letters of Intent Information for Home and Family Based Approaches for the Prevention or Management of Overweight or Obesity in Early Childhood Program Announcements (PA-10-127 and PA-10-128)

NOT-DK-10-002

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

This Notice is to inform the scientific community that the NIDDK is amending PA-10-127: Home and Family Based Approaches for the Prevention or Management of Overweight or Obesity in Early Childhood (R01) and PA-10-128: Home and Family Based Approaches for the Prevention or Management of Overweight or Obesity in Early Childhood (R21) to reflect that Letters of Intent (LOIs) are not required for and are not applicable to these funding opportunity announcements (FOAs).

Amount:

LOI:

Deadline: Release Date: March 16, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-DK-10-002.html>

Key Words: **Obesity, Children**

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**

ARRA OS Recovery Act Limited Competition: Impact of Decision-Support Systems on the Dissemination and Adoption of Imaging-Related Comparative Effectiveness Findings (UC4)

RFA-OD-10-012

National Institute of Biomedical Imaging and Bioengineering (NIBIB/NIH)

The goal for this program is to accelerate dissemination and adoption of current imaging-related comparative effectiveness research findings by studying whether real-time decision support systems integrated into clinical health IT systems are an effective means of disseminating evidence-based findings. Successful adoption is considered to be an integrated system which is routinely used by clinicians as part of their workflow and efficiently and effectively assists them in making well-informed decisions. The long-term goal, beyond the scope of this program, is to provide models for how these systems can be incorporated into healthcare providers nationwide if they are shown to be an effective method for disseminating CER-findings.

With a project duration of only two years, applicants must have sufficient health IT infrastructure without existing clinical decision support systems incorporating CER findings to be in a position to meet the objectives of this announcement. Applicants are encouraged to work with institutions with clinical decision support systems incorporating CER findings and/or vendors to meet milestones.

Healthcare systems in IDeA states and those serving vulnerable and underserved populations are strongly encouraged to apply.

Amount: \$1,000,000

LOI: April 5, 2010

Deadline: May 5, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-OD-10-012.html>

Key Words: **CER, Comparative Effectiveness Research**

Mentored Research Scientist Development Award (K01)

PAR-10-132

National Institute for Occupational Safety and Health (NIOSH)

The goal of the NIOSH Mentored Research Scientist Development Award (K01) is to help ensure the availability of adequate numbers of highly trained scientists to address occupational health and safety and to provide new occupational health and safety scientists and educators with appropriate mentoring. The purpose of the K01 is to provide support and 75% "protected time" for an intensive, supervised career development experience in occupational health and safety research leading to research independence.

Amount: \$300,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-132.html>

Key Words: **Occupational Health and Safety**

NIOSH Small Research Grant Program (R03) and (R21) and (R01)

PAR-09-138

National Institute for Occupational Safety and Health (NIOSH)

The purpose of this grants program is to develop an understanding of the risks and conditions that are associated with occupational diseases and injuries, to explore methods for reducing risks and for preventing or minimizing exposure to hazardous conditions in the workplace, and to translate significant scientific findings into prevention practices and products that will effectively reduce work-related illnesses and injuries. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-138.html>

Key Words: **Occupational Health, Workplace Safety**

NIOSH Exploratory and/or Developmental Grant Program (R21) and (R01) and (R03)

PAR-09-139

National Institute for Occupational Safety and Health (NIOSH)

The purpose of this grants program is to develop an understanding of the risks and conditions that are associated with occupational diseases and injuries, to explore methods for reducing risks and for preventing or minimizing exposure to hazardous conditions in the workplace, and to translate significant scientific findings into prevention practices and products that will effectively reduce work-related illnesses and injuries.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-139.html>

Key Words: **Occupational Disease and Injury**

NCMHD Disparities Research and Education Advancing Mission (DREAM) Career Transition Award (K22)

RFA-MD-10-001

National Center on Minority Health and Health Disparities (NCMHD)

This purpose of the NCMHD DREAM Career Transition Award (K22) is to facilitate the transition of early stage investigators working in health disparities or areas that address health disparity conditions and populations from the mentored stage of career development to the independent stage of investigator-initiated health disparities research. The program will provide an opportunity for investigators to develop solid research skills during the initial period of up to two years of study and research within the environment of the NIH Intramural Research Programs located at the NIH. The award may also include a follow-on period of up to three years of salary and mentored research support at the candidate's current institution or organization or an academic or research grantee institution of the candidate's choice. This period of extramural support will facilitate the transition to independence as a researcher in health disparities research.

Amount: \$200,000

LOI: April 24, 2010

Deadline: May 24, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-MD-10-001.html>

Key Words: **Health Disparities**

NCMHD Advances in Health Disparities Research on Social Determinants of Health (R01)

RFA-MD-10-005

National Center on Minority Health and Health Disparities (NCMHD)

The overarching goal of this FOA is to encourage groundbreaking research addressing the social determinants of health and health disparities. It demonstrates the NCMHD portfolio priority area of interest for ongoing research intervention and information dissemination on the social determinants of health through translational, and transdisciplinary research approaches. The intent of this funding opportunity is to intensify investigator-initiated research, to attract new investigators to the field, and to encourage transdisciplinary research that will advance health disparities science.

Amount: \$1,250,000

LOI: April 17, 2010

Deadline: May 17, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-MD-10-005.html>

Key Words: **Health Disparities**

Small Grants for Behavioral Research in Cancer Control (R03)

PA-09-003

National Cancer Institute (NCI)

National Institute of Nursing Research (NINR)

This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI) and the National Institute of Nursing Research (NINR), at the National Institutes of Health (NIH), is intended to provide support for either new investigators in cancer-related behavioral research, or investigators who want to refocus their research interests toward behavioral research in cancer control. The program is designed to facilitate the growth of a nationwide cohort of scientists with research experience in behavioral cancer control and design of public health interventions. Preliminary data for the proposed projects are not required. Overarching goals are to: (1) encourage new investigators to enter the field of behavioral research in cancer control and initiate their long-term career development aimed at becoming independent investigators in the field, and (2) support research on transfer of behavioral science knowledge into cancer control practice.

Amount: \$100,000

LOI: N/R

Deadline: August 20, 2010; December 20, 2010; April 20, 2011; August 22, 2011; December 20, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-003.html>

Key Words: **Cancer, Cancer Prevention, Cancer Control**

Improving Diet and Physical Activity Assessment (R01)

PAR-09-224

National Cancer Institute (NCI)

National Heart, Lung, and Blood Institute (NHLBI)

National Institute on Aging (NIA)

National Institute of Child Health and Human Development (NICHD)

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), the National Heart, Lung, and Blood Institute (NHLBI), the National Institute on Aging (NIA), the National Institute of Child Health and Human Development (NICHD), the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Institute of Nursing Research (NINR), and the National Institutes of Health (NIH) Office of the Director (OD) Office of Dietary Supplements (ODS), encourages innovative research to enhance the quality of measurements of dietary intake and physical activity. Applications submitted under this FOA may include development of: novel assessment approaches; better methods to evaluate instruments; assessment tools for culturally diverse populations or various age groups, including older adults; improved technology or applications of existing technology; statistical methods to assess or correct for measurement errors or biases, methods to investigate the multidimensionality of diet and physical activity behavior through pattern analysis; or integrated measurement of diet and physical activity along with the environmental context of such behaviors.

Amount: varies

LOI: May 5, 2010; January 5, 2011; September 5, 2011; May 5, 2012

Deadline: June 5, 2010; February 5, 2011; October 5, 2011; June 5, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-224.html>

Key Words: **Obesity, Physical Activity**

Obesity Policy Research: Evaluation and Measures (R01), (R21) and (R03)

PA-10-027 and PA-10-028 and PA-10-029

National Cancer Institute (NCI)

National Heart, Lung, and Blood Institute (NHLBI)

National Institute of Child Health and Human Development (NICHD)

Office of Behavioral and Social Sciences Research (OBSSR)

National Center for Chronic Disease Prevention and

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), National Heart, Lung, and Blood Institute (NHLBI), Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), Office of Behavioral and Social Sciences Research (OBSSR), NIH, and the National Center for Chronic Disease Prevention and Health Promotion, CDC, encourages Exploratory/Developmental Grant (R21) applications that propose to: (1) conduct evaluation research on obesity-related "natural experiments" (defined here as community and other population-level public policy interventions that may affect diet and physical activity behavior), and/or (2) develop and/or validate relevant community-level measures (instruments and methodologies to assess the food and physical activity environments at the community level). The overarching goal of this FOA is to inform public policy and research relevant to (1) diet and physical activity behavior, and (2) weight and health outcomes of Americans. The R21 grant mechanism is intended to encourage exploratory/developmental research by providing support for the early and conceptual stages of project development.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-028.html>

Key Words: **Obesity, Public Policy**

Impact of Health Communication Strategies on Dietary Behaviors [(R21) PA-08-240] and [(R01) PA-08-241]

PA-08-240 and PA-08-241

National Cancer Institute (NCI)

National Heart, Lung, and Blood Institute (NHLBI)

National Institute of Child Health and Human Development (NICHD)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

Office of Behavioral and Social Sciences Research

This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), the National Heart, Lung, and Blood Institute (NHLBI), the National Institute of Child Health and Human Development (NICHD), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), the Office of Behavioral and Social Sciences Research (OBSSR), the NIH-Office of Disease Prevention (ODP), the Office of Dietary Supplements (ODS), the U.S. Food and Drug Administration (FDA), and the Centers for Disease Control and Prevention (CDC), encourages applications for research projects focused on the development and implementation of effective communication strategies related to diet and health. Specifically, this FOA is designed to promote interdisciplinary research, conducted at multiple levels (e.g., individual, community/environment, and policy) and across diverse populations, to evaluate effective communication approaches for changing dietary behaviors.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-240.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-241.html>

Key Words: **Nutrition, Communication**

State and Community Tobacco Control Policy and Media Research (U01)

RFA-CA-10-008

National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), solicits cooperative agreement (U01) applications for research projects to investigate the effectiveness of the State and community tobacco control policy and media interventions. Focal areas include secondhand smoke policies, tax and pricing policies, tobacco industry marketing and promotion, mass media countermeasures, and community and social norms. The proposed projects may address tobacco use and exposure in any form in the United States and may involve both observational and intervention studies. In addition, this FOA also solicits separate cooperative agreement applications for a Coordinating Center for this program. The Coordinating Center will provide the necessary scientific leadership and administrative framework to facilitate interactive and integrative collaboration and communication among the awardees of individual Research Projects to be funded by this initiative and between the awardees and NCI staff.

Amount: \$8,500,000

LOI: December 22, 2009

Deadline: January 22, 2011

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-10-008.html>

Key Words: **Smoking Policy, Tobacco Use**

Exploratory/Developmental Grants Program for Basic Cancer Research in Cancer Health Disparities (R21) and (U01)

PAR-09-160 and PAR-09-161

National Cancer Institute (NCI)

Through this Funding Opportunity Announcement (FOA), the Center to Reduce Cancer Health Disparities (CRCHD) and the Division of Cancer Biology (DCB), at the National Cancer Institute (NCI), invite grant applications from investigators interested in conducting basic research studies into the causes and mechanisms of cancer health disparities. These awards will support pilot and feasibility studies, development and testing of new methodologies, secondary data analyses, and innovative mechanistic studies that investigate biological/genetic bases of cancer health disparities. This FOA is also designed to aid and facilitate the growth of a nationwide cohort of scientists with a high level of basic research expertise in cancer health disparities research and to provide resources for those investigators that may need additional support on their path to successfully compete for R01/R01* funding in basic research in understanding cancer health disparities.

Amount: \$275,000

LOI: N/R

Deadline: June 23, 2010; November 23, 2010; June 23, 2011; November 23, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-160.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-09-161.html>

Key Words: **Cancer, Disparities, Epidemiology**

Small Grants Program for Cancer Epidemiology (R03)

PAR-08-237

National Cancer Institute (NCI)

This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), encourages the submission of Small Research Grant (R03) applications for research on cancer etiology and epidemiology. The overarching goal of this FOA is to provide support for pilot projects, testing of new techniques, secondary analyses of existing data, development and validation of measurement methods, linkage of genetic polymorphisms with other variables related to cancer risk, and development of innovative projects for more comprehensive research in cancer etiology and epidemiology.

Amount: varies

LOI: N/R

Deadline: July 23, 2010; November 19, 2010; March 18, 2011; July 22, 2011; November 18, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-237.html>

Key Words:

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**

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**

Development, Application, and Evaluation of Prediction Models for Cancer Risk and Prognosis (R01) and (R21)

PA-10-025 and PA-10-026

National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages research applications from clinicians, epidemiologists, geneticists, statisticians, and translational researchers working in the field of cancer control and prevention to improve existing models for cancer risk and prognosis by developing innovative research projects that use existing data; develop new models for cancer risk and prognosis; and validate new models and evaluate their utility in research and clinic settings. To explore this opportunity, the NCI Division of Cancer Control and Population Sciences (DCCPS) and the Division of Cancer Treatment and Diagnosis (DCTD) encourage applications for research projects to develop, apply, and evaluate new and existing cancer risk and prognostic prediction models for use by researchers, clinicians, and the general public. This FOA is designed to provide a mechanism of support for investigators to address two major challenges in model development, which are: integrating diverse types of data (e.g., clinical, demographic, pathologic, environmental, epidemiologic, outcomes, and genetic data from varied data marts or warehouses); and ensuring adequate validation (i.e., using multiple separate populations to define sensitivity, specificity, and positive and negative predictive values).

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-025.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-026.html>

Key Words: **Cancer control, Population Science**

Mayday Fund of New York

Mayday Fund of New York

The Mayday Fund is dedicated to alleviating the incidence, degree, and consequence of human physical pain.

Amount: \$2,000-\$500,000

LOI: N/R

Deadline: Continuous

To learn more: <http://www.maydayfund.org/>

Key Words: **Pain, Pain Alleviation**

Meetings, Conferences, and Networks for Research Partnerships to Improve Functional Outcomes (R13)

PAR-08-207

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

National Institute of Neurological Diseases and Stroke (NINDS)

National Heart Lung and Blood Institute (NHLBI)

National Institute of Mental Health (NIMH)

National Inst

This funding opportunity announcement (FOA) solicits Conference Grant (R13/U13) applications from applicant organizations for meetings and networks that will facilitate interdisciplinary research partnership among investigators. The goal is to create opportunities for forming strong and effective multi-disciplinary scientific teams to address basic, translational, or clinical research problems in rehabilitation or management of chronic disease, including mental disorders.

Amount: \$50,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-207.html>

Key Words: **Chronic Disease, Rehabilitation, Conferences**

Community-Based Partnerships for Childhood Obesity Prevention and Control: Research to Inform Policy (R03) and (R21)

PA-09-140 and PA-09-141

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

National Cancer Institute (NCI)

National Heart, Lung, and Blood Institute (NHLBI)

Office of Behavioral and Social Sciences Research (OBSSR)

National Center for Chronic

The purpose of this funding opportunity announcement (FOA) issued by the NICHD is to enhance childhood obesity research by fostering the formation of local, state, or regional teams consisting of researchers, policymakers, and other relevant stakeholders (e.g., community representatives, public health practitioners or officials, educators) in order to identify research questions and hypotheses, design and implement the relevant research, and translate the research into evidence relevant to potential policy efforts in this area.

The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.

Amount: \$100,000-\$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-140.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-141.html>

Key Words: **Childhood Obesity, Public Policy**

Research on Teen Dating Violence (R01) and (R21)

PA-09-169 and PA-09-170

Eunice Kennedy Shriver National Institute for Child Health and Human Development (NICHD)

National Institute on Drug Abuse (NIDA)

National Institute on Alcohol and Alcohol Abuse (NIAAA)

Office for Research on Women's Health (ORWH)

This Funding Opportunity Announcement (FOA) encourages investigator-initiated research grant applications from institutions/organizations that propose to conduct behavioral and/or biomedical research aimed at better understanding the etiologies and precursors for, reducing risk for, and incidence of, teen dating violence (TDV). Research is also sought that examines the linkages and

gaps among perceptions of appropriate responses to teen dating violence from service providers, the criminal justice system, teens themselves, victims, perpetrators and bystanders.

Amount: \$2,500,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-169.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-170.html>

Key Words: **Teen Violence**

FY10 Prostate Cancer Research Program (PCRP)

W81XWH-10-PCRP-HDRA

W81XWH-10-PCRP-HDTA

W81XWH-10-PCRP-LCTA

W81XWH-10-PCRP-PRTA

W81XWH-10-PCRP-PBRA

W81XWH-10-PCRP-PCTA

DOD

Congressionally Directed Medical Research Programs (CDMRP)

The mission of the Prostate Cancer Research Program is to fund research that will eliminate death and suffering from prostate cancer.

Multiple awards are available please see website for details.

Health Disparity Research Award

Health Disparity Training Award

Laboratory - Clinical Transition Award

Physician Research Training Award

Population-Based Research Award

Prostate Cancer Training Award

Amount: maximum \$750,000

LOI: May 5, 2010

Deadline: May 26, 2010

To learn more: <http://cdmrp.army.mil/funding/pcrp.htm>

Key Words: **Prostate Cancer, Health Disparity, Epidemiology, Treatment and Prevention of, Overtreatment of, Biomarkers, Staging and Grading, Progression of Disease**

NIDA Research Education Grants in Drug Abuse and Addiction (R25)

PAR-07-221

Department of Health and Human Services (HHS)

National Institutes of Health (NIH)

National Institute on Drug Abuse (NIDA)

This Funding Opportunity Announcement (FOA) invites applications focused on research education and research curriculum development or program building in the area of drug abuse and addiction research. The focus should be primarily on clinical research, with preclinical research included to directly inform or provide a mechanistic foundation and for the purposes of supporting translational research training.

Amount: \$1,750,000

LOI: Nonrequired letters of intent are due 30 days prior to the application receipt date.

Deadline: standard dates apply (May 25; Sep 25)

To learn more: <http://grants1.nih.gov/grants/guide/pa-files/PAR-07-221.html>

Key Words: **Addictions, Biomedical Research Training, Drug Abuse Treatment, Substance Abuse**

UPDATE TO RFA-AE-10-001: OS Recovery Act Limited Competition: Accelerating Adoption of Comparative Effectiveness Research Results by Providers and Patients (R18) - Announcing Additional Funds Availability and Clarifying Eligible Institutions/Organizations

NOT-AE-10-001

Department of Health and Human Services (DHHS)

American Reinvestment and Recovery Act of 2009 (ARRA)

In January, 2010, ASPE announced the availability of funds under the American Recovery and Reinvestment Act of 2009 (ARRA) for strategies for accelerating the adoption of comparative effectiveness research (CER) results by providers and patients (RFA-AE-10-001). Since then, additional funds have been made available for this RFA in order to allow for the funding of 1 to 3 additional meritorious proposals, thus broadening the impact of this critical component of the CER enterprise. These additional funds will lead to a greater understanding of "best practices" for the adoption of CER by both providers and patients. In addition, ASPE is clarifying additional eligible institution/organization characteristics.

This Notice serves to notify potential applicants of the following changes or clarifications related to the Funds Available and Eligible Institutions/Organizations:

Funds Available and Anticipated Number of Awards. Using funds provided by the Office of the Secretary of the Department of Health and Human Services, ASPE now intends to commit \$17,000,000 for use under this FOA. We anticipate that 6 to 10 awards will be made for fiscal year 2010, pending the number and quality of applications and availability of funds.

Eligible Institutions/Organizations. Eligible institutions or organizations with the following characteristics may include the following:

Integrated health care systems

Integrated provider systems

Academic Medical Centers

Provider consortia

Community Health Center Networks

Private payers

Other non-governmental organizations that administer or directly provide health care services

Organizations that serve health care consumers

University-based school (e.g. School of Public Policy or Public Health)

Private research institutes

Amount:

LOI:

Deadline:

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-AE-10-001.html>

Key Words:

Department Of Defense Hive/Aids Prevention Program

DHAPP-BAA-10-001

Department of Defense (DOD)

DHAPP continues to rely upon the vital support of various partners, such as non-governmental organizations (NGOs), in implementing HIV prevention, care and treatment programs across the globe. Each country has a customized plan to help the countries' militaries bring its HIV/AIDS programs to sufficient scale to help reduce the spread of the epidemic and mitigate its impact.

DHAPP's current priority activities include the following:

- Institutional capacity building and developing military specific HIV strategic and operational plans that incorporate effective monitoring and evaluation procedures.
 - Training of master trainers and peer educators.
 - "Troop Level" HIV/AIDS prevention education and behavior change communication.
 - Evaluating specific prevention interventions in military contexts
 - Providing infrastructure and equipment to support HIV testing, care and/or treatment.
 - Increasing testing of all military personnel.
 - Developing HIV laboratory diagnostic and monitoring capabilities.
 - Increasing clinical capability and other human resources for health care of those infected with HIV.
 - Developing or revising military specific HIV policies that specifically address leadership roles, gender norms, gender based violence, stigma and discrimination and structural components necessary for access to care.
 - Increasing male circumcision (MC) in high prevalence countries who are supportive of MC as an effective prevention intervention.
 - Providing peacekeeping prevention and care interventions in militaries that contribute significant peacekeepers.
- This BAA is intended to solicit existing partners and establish new partners in order to expand the DHAPP program.

Amount: \$50,000-\$300,000

LOI:

Deadline: This announcement will remain open until 30 September 2011. White Papers may be submitted at any time during this period.

To learn more:

<http://www.grants.gov/search/synopsis.do;jsessionid=RIFgLZJCfZnVyTpKtvX9mkkkCCZIL1Wb7JXyZhn1NRLNRvIqCp!-1885924289>

Key Words: **HIV/AIDS, Military, Transmission of Infection, Preventative Measures**

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/PA-08-072.html>

Key Words: **Occupational Health**

Recovery Act Limited Competition: The NIH Director's ARRA Funded Pathfinder Award to Promote Diversity in the Scientific Workforce (DP4)

RFA-OD-10-013

All NIH Institutes and Centers participate in this NIH-wide announcement.

This NIH Funding Opportunity Announcement (FOA), supported by funds provided to the NIH under the American Recovery and Reinvestment Act of 2009 (Recovery Act or ARRA), Public Law 111-5, invites applications for the NIH Directors ARRA Pathfinder Award to Promote Diversity in the Scientific Workforce. The NIH recognizes a unique and compelling need to promote diversity in the biomedical, behavioral, clinical and social sciences research workforce. The NIH expects all of its efforts to diversify the workforce to lead to the recruitment of the most talented researchers from all groups; to improve the quality of the educational and training environment; to balance and broaden the perspective in setting research priorities; to improve the ability to recruit subjects from diverse backgrounds into clinical research protocols; and to improve the Nation's capacity to address and eliminate health disparities. This new FOA introduces a new research grant program to encourage exceptionally creative individual scientists to develop highly innovative and possibly transforming approaches for promoting diversity within the biomedical research workforce. To be considered highly innovative, the proposed research must reflect ideas substantially different from those already being pursued or it must apply existing research designs in new and innovative ways to unambiguously identify factors that will improve the retention of students, postdocs and faculty from diverse backgrounds. Awardees must commit a major portion (generally 30% or more) of their research effort to activities supported by the Directors Pathfinder Award and the proposed research must be endorsed by the highest levels of institutional management.

Amount: \$2,000,000

LOI: April 5, 2010

Deadline: May 4, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-OD-10-013.html>

Key Words: **Workforce Diversity**

AHRQ Grant Program for Large or Recurring Conferences (R13)

PAR-09-257

Agency for Healthcare Research and Quality (AHRQ)

The Agency for Healthcare Research and Quality (AHRQ), announces its continued interest in supporting conferences through its Large or Recurring Grant Program for Conference Support. AHRQ seeks to support conferences that help to further its mission to improve the quality, safety, efficiency, and effectiveness of health care for all Americans. The types of conferences eligible for support include: 1) Research development - conferences where issues or challenges in the practice and delivery of health care are defined and a research agenda or strategy for studying them is developed; 2) Research design and methodology - conferences where methodological and technical issues of major importance to the field of health services research are addressed or new designs and methodologies are developed; 3) Dissemination and implementation - conferences where research findings and evidence-based information and tools are summarized, communicated and used by organizations and individuals that have the capability to use the information to improve the outcomes, quality, access to, and cost and utilization of health care services; and/or, 4) Research training, infrastructure and career development -conferences where faculty, trainees and students are brought together with stakeholders to develop, share or disseminate research products, experiences, curricula, syllabi, or training competencies.

Amount: \$300,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-257.html>

Key Words: **Conferences, Health Care**

AHRQ Health Services Research Demonstration and Dissemination Grants (R18)

PA-09-071

Agency for Healthcare Research and Quality (AHRQ)

This Funding Opportunity Announcement (FOA) solicits Large Research Demonstration and Dissemination (R18) Projects, and expresses AHRQ portfolio priority areas of interest for these ongoing, extramural grants.

Amount: \$500,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-071.html>

Key Words: **Healthcare Delivery, Healthcare Costs, Healthcare Waste**

AHRQ Health Services Research Projects (R01)

PA-09-070

Agency for Healthcare Research and Quality (AHRQ)

This Funding Opportunity Announcement (FOA) solicits Large Research (R01) Projects, and expresses AHRQ portfolio priority areas of interest for ongoing extramural health services research, demonstration, dissemination, and evaluation grants.

Amount: \$500,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-070.html>

Key Words: **Healthcare Delivery, Healthcare Costs, Healthcare Waste**

AHRQ Small Research Grant Program (R03)

PAR-06-448

Agency for Healthcare Research and Quality (AHRQ)

This funding opportunity announcement (FOA) issued by AHRQ supports Small Research Grant (R03) applications. The R03 grant mechanism supports different types of health services research projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and, development of new research technology.

Amount: \$100,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-06-448.html>

Key Words: **Health Care Services, Health Care Information, Health Care Practice & Policy, Patient Safety, Patient-Centered Care, Payment & Organization**

AHRQ Small Grant Program for Conference Support (R13)

PA-09-231

Agency for Healthcare Research and Quality (AHRQ)

The Agency for Healthcare Research and Quality (AHRQ), announces its continued interest in supporting conferences through its Small Grant Program for Conference Support. AHRQ seeks to support conferences that help to further its mission to improve the quality, safety, efficiency, and effectiveness of health care for all Americans. The types of conferences eligible for support include: 1) Research development - conferences where issues or challenges in the practice and delivery of health care are defined and a research agenda or strategy for studying them is developed; 2) Research design and methodology - conferences where methodological and technical issues of major importance in the field of health services research are addressed or new designs and methodologies are developed; 3) Dissemination and implementation conferences - where research findings and evidence-based information and tools are summarized, communicated and used by organizations and individuals that have the capability to use the information to improve the outcomes, quality, access to, and cost and utilization of health care services; and/or, 4) Research training, infrastructure and career development - conferences where faculty, trainees and students are brought together with stakeholders to develop, share or disseminate research products, experiences, curricula, syllabi, training competencies. AHRQ is especially interested in supporting conferences that demonstrate strategies that include plans for disseminating complimentary conference materials and products beyond the participants attending the event. Such strategies might include, but are not limited to, submitting articles for publication, posting information on a Web site, and seeking formal opportunities to discuss conference information with others.

Amount: \$50,000

LOI: N/R

Deadline: December 21; In 2010: February 22, April 20, June 21, August 20, October 20, December, 20; In 2011: February 22, April 20, August 22, October 20, December 20; In 2012: February 21, April 20, June 20, August 20, and October 22

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-231.html>

Key Words: **Conferences, Health Care**

AHRQ Individual Awards for Postdoctoral Fellows (F32) Ruth L. Kirschstein National Research Service Awards (NRSA)

PA-09-229

Agency for Healthcare Research and Quality

The purpose of this individual postdoctoral research training fellowship is to provide support to promising Fellowship Applicants with the potential to become productive, independent investigators in health services research in research areas and priorities relevant to the mission of AHRQ.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-229.html>

Key Words: **Health Services Research**

Researching Implementation and Change while Improving Quality (R18)

PAR-08-136

Agency for Healthcare Research and Quality

The Agency for Healthcare Research and Quality (AHRQ) announces the Agency's interest in supporting grants to rigorously study the implementation of quality improvement strategies and provide generalizable scientific findings about the implementation of the quality improvement strategy, related organizational changes, and their impact. There is increasing evidence that success in achieving quality improvement goals is at least partially attributable to implementation processes and contexts and not just to the nature of the quality improvement strategy. The research funded through this announcement may be conducted by the team designing/implementing the quality improvement strategy or it may be conducted by a separate team. The quality improvement strategy must be one that is expected to result in major improvements in health care delivery that will enhance patient outcomes. Research design and execution will yield results providing AHRQ, providers, patients, payers, policymakers, and the public with contextual details and high level of confidence about what works and what doesn't in improving health care in the United States.

Amount: varies but will not exceed \$300,000 annually

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-136.html>

Key Words:

Aetna 2010 Grant Program

Aetna Foundation

For 2010, the foundation will focus its grant making on issues that improve health and the healthcare system in three areas: obesity (addressing the rising rate of obesity among U.S. adults and children); racial and ethnic healthcare equity (promoting equity in health and health care for common chronic conditions and infant mortality); and integrated health care (advancing high-quality health care by improving care coordination and communications among healthcare professionals, creating informed and involved patients, and promoting cost-effective, affordable care). Grant applications that address more than one of these areas will receive priority consideration.

Within the three program areas, the foundation will award the following types of grants: research grants to generate new knowledge, making use of either quantitative or qualitative techniques; project grants to test, apply, or disseminate new practices designed to improve health and health care; and policy grants to analyze and promote policies to ensure that programs and practices to improve health and health care can be replicated and disseminated broadly. In addition, the foundation will consider applications for sponsorship of fundraising events such as galas and walks, outreach activities (e.g., health fairs), and other community-based health and wellness initiatives aligned with the foundation's funding priorities.

Amount: up to \$250,000

LOI: Required for grant requests over \$50,000

Deadline: Quarterly

To learn more: <http://www.aetna.com/about-aetna-insurance/aetna-foundation/aetna-grants/grants-for-2010-and-beyond.html>

Key Words: **Obesity, Racial and Ethnic Health Care Equity, Integrated Health Care**

Mentored Research Scholar Grant in Applied and Clinical Research

ACS

Support mentored research by full-time faculty, typically within the first four years of their appointment, with the goal of becoming independent investigators in clinical, cancer control and prevention, epidemiologic, psychosocial, behavioral, health services and health policy research.

Amount: up to five years and for up to \$135,000 per year

LOI: N/R

Deadline: April 1 and October 15; annually

To learn more:

http://www.cancer.org/docroot/RES/content/RES_5_2x_Mentored_Research_Scholar_Grant_in_Applied_and_Clinical_Research.asp?sitearea=RES

Key Words:

Physician Training Awards in Preventive Medicine

ACS

This award is made to support primary care physicians with a rank of instructor to assistant professor who are pursuing an academic career with an emphasis on cancer control.

Amount: \$300,000

LOI: N/R

Deadline: April 1, annually

To learn more:

http://www.cancer.org/docroot/RES/content/RES_5_2x_Physician_Training_Awards_in_Preventive_Medicine.asp?sitearea=RES

Key Words:

Regenerative Medicine/Transplantation

GPHRC Translational Research RFA

The Center for Clinical and Translational Research and Great Plains Health Research Consortium UNMC's Center for Clinical and Translational Research (CCTR) has brought together regional institutions into a health research consortium, the "Great Plains Health Research Consortium" (GPHRC). The GPHRC has submitted a NIH Clinical and Translational Science Award (CTSA) proposal which hopes to speed research translation from "bench to bedside" and clinical trials into community-wide applications. UNMC is sponsoring the first GPHRC Seed Grant program, with the primary intent being to bring together new research teams representing 2 or more GPHRC institutions to generate the pilot data needed to support a new extramural grant proposal within the next 1-3 years. Applications that address the health priority areas of the GPHRC as identified below will be given priority in review for this RFA:

- Health disparities including rural health disparities
- Cancer
- Obesity-Diabetes-Vascular Disease (inclusive of cardiovascular and all other types of vascular disease)
- Infectious Diseases
- Musculoskeletal Disease
- Neurologic and Psychobehavioral Disease
- Alcohol and Smoking Related Disease
- Transplantation

Amount: \$100,000

LOI: N/R

Deadline: May 1, 2010

To learn more: http://ctsa.unmc.edu/ew_library_file/GPHRC%202010%20RFP.doc

Key Words: **Health Disparities, Cancer, Obesity, Diabetes, Vascular Disease, Infectious Disease, Musculoskeletal Disease, Neurological and Psychobehavioral Disease, Alcohol and Smoking Related Disease, Transplantation**

Human Pluripotent Stem Cell (hPSC) Research Using Non-Embryonic Sources (R01)

PA-08-043 and PA-08-044

NIH

This Agency-wide Funding Opportunity Announcement (FOA) is a Program Announcement (PA) to encourage new research applications proposing research on hPSCs from non-embryonic sources. This FOA addresses Executive Order 13435 issued by President George W. Bush on June 20, 2007. The Executive Order requires that "The Secretary of Health and Human Services shall conduct and support research on the isolation, derivation, production, and testing of stem cells that are capable of producing all or almost all of the cell types of the developing body and may result in improved understanding of or treatments for diseases and other adverse health conditions, but are derived without creating a human embryo for research purposes or destroying, discarding, or subjecting to harm a human embryo.

Amount: \$275,000 over two years

LOI: N/R

Deadline: multiple, see link. Continuous until January 2011.

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-043.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-044.html>

Key Words:

Directed Stem Cell Differentiation for Cell-Based Therapies for Heart, Lung, and Blood Diseases (R21)

PA-09-248

National Heart, Lung, and Blood Institute (NHLBI)

This funding opportunity announcement (FOA) encourages Exploratory/Developmental (R21) grant applications from applicant organizations that propose to define the factors and mechanisms controlling the differentiation of embryonic or adult stem or progenitor cells, either in vitro or in vivo. It is designed to stimulate new scientific advances in stem cell differentiation including technology research that may not be hypothesis driven. The long range goal of this program is the development of methods to direct the differentiation or development of stem cells along specific cell lineages to yield replacement cells for clinical use, whether the replacement cells are formed in vitro for delivery or formed in vivo in the tissue or organ environment.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-248.html>

Key Words: **Progenitor Cells, Stem Cell Differentiation**

Notice of Intent to Publish a Request for Applications on New Strategies for Growing 3D Tissues (R01/R21)

NOT-HL-11-105

National Heart, Lung, and Blood Institute (NHLBI)

The National Heart, Lung, and Blood Institute (NHLBI) intends to promote a new initiative by publishing a Request for Applications (RFA) to solicit applications to improve our understanding of how cells respond to their environment and develop accurate assays and methods to understand how angiogenesis and organogenesis may instruct the creation of 3D engineered cellular aggregates. This program is expected to develop new technologies by tissue engineers who effectively collaborate with scientists with relevant expertise in developmental and cell biology, systems biology, chemistry, physics and organ physiology. The overall purpose of this program is to support highly integrated multidisciplinary scientific teams to advance the field beyond the more basic levels of structural and functional complexity and learn how to use the signals and microenvironments which direct normal angiogenesis and organogenesis in developing vertebrates. These advances will be aimed towards addressing our knowledge gaps in tissue repair and regeneration. Institutes expected to participate in the RFA include the NHLBI, the National Institute of Biomedical Imaging and Bioengineering (NIBIB), and the National Institute for Arthritis and Musculoskeletal and Skin Diseases (NIAMS).

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 May 2010 with an application receipt date in September 2010.

Amount:

LOI:

Deadline: Release Date March 11, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-HL-11-105.html>

Key Words: **Angiogenesis, Organogenesis**

Stem Cells and Cancer (R21)

PA-08-165

National Cancer Institute

National Institute on Aging

This funding opportunity announcement (FOA), issued by the National Cancer Institute (NCI), and the National Institute on Aging (NIA), encourages research in all aspects of tumor stem cell biology, including the molecular and biochemical regulation of embryonic and adult stem cell behavior relevant to tumor formation. This FOA intends to stimulate efforts on isolation and characterization of tumor stem cells from a large spectrum of tumors. In addition, more research is encouraged to understand the genetic and biochemical regulatory mechanisms that control the self-renewal phenotype, asymmetric cell division, and the stem cell microenvironment (or "niche").

Amount: \$275,000 over a 2-year period

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-165.html>

Key Words: **Cancer, Stem Cells, Tumor Cells**

Biomarkers for Early Detection of Hematopoietic Malignancies (R01) and (R21)

PA-09-197 and PA-09-198

National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), encourages research grant applications from institutions/organizations for the development and validation of biomarkers for: a) early detection, prediction of progression, and recurrence of hematopoietic malignancies, especially in high-risk individuals; and, b) for risk assessment of primary and secondary hematopoietic malignancies. This FOA is also encourages the development and improvement of specific technologies and methods for quantitative detection of novel biomarkers associated with hematopoietic malignancies.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-197.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-198.html>

Key Words: **Hematopoietic Cancers, Biomarkers**

FY10 Bone Marrow Failure Research Program (BMFRP)

W81XWH-10-BMFRP-NIA

Department of Defense (DOD)

Congressionally Directed Medical Research Programs (CDMRP)

The objectives of the BMFRP are to fund scientifically meritorious research focused on BMF syndromes and their long-term sequelae. Studies that primarily focus on myeloproliferative neoplasms, leukemia, or other malignancies are discouraged. However, studies investigating BMF syndromes and their progression to other malignancies such as leukemia are acceptable. Proposals involving therapeutics, including but not limited to bone marrow transplantation, are strongly encouraged to address issues unique to BMF syndromes.

Amount: up to \$400,000

LOI: June March 11 for New Investigator Award

Deadline: June 10, 2010 for New Investigator Award

To learn more: <http://cdmrp.army.mil/funding/bmfrp.htm>

Key Words: **Bone Marrow Transplant, Failure, New Investigator**

USA Medical Research and Materiel Command Broad Agency Announcement

W81XWH-BAA10-1

Department of Defense (DOD)

This Announcement provides a general description of the Command's research programs, including specific areas of interest; general information; the evaluation and selection criteria; and proposal preparation instructions.

- 1) The Military Infectious Diseases Research Program (MIDRP) focuses on vaccines, antiparasitic drugs, deployable field clinical diagnostics, and vector control pertinent to naturally-occurring endemic diseases with demonstrated or potential capability to decrease military operational effectiveness.
- 2) The Combat Casualty Care Research Program (CCCRP) provides integrated capabilities for far-forward medical care to reduce the mortality and morbidity associated with major battlefield wounds and injuries.
- 3) The Military Operational Medicine Research Program (MOMRP) provides biomedical solutions that protect Soldiers and enhance their performance in operational and training environments that include multiple stressors. [a. Injury Prevention and Reduction; b. Psychological Health and Resilience; c. Environmental Health and Protection; d. Physiological Health]
- 4) The Medical Biological Defense Research Program provides medical countermeasures for biological warfare agents. These countermeasures include specialized medical materiel or procedures designed to enhance protection.
- 5) The Medical Chemical Defense Research Program seeks to preserve combat effectiveness by timely provision of medical countermeasures in response to Joint Service chemical warfare defense requirements.
- 6) The Clinical and Rehabilitative Medicine Research Program (CRM RP) focuses on the innovations required to reset our wounded warriors, both in terms of duty performance and quality of life. The CRM RP focuses its efforts on the following five research areas: neuromusculoskeletal injury (including amputees), ocular and visual system injury, hearing and vestibular systems injury, chronic pain, and regenerative medicine.

Amount: \$1,000,000

LOI:

Deadline: September 30, 2010

To learn more:

<http://www.grants.gov/search/announce.do;jsessionid=2vmFKPnL20sh2KRqMCTmSnJZ6FC5xZx1mdGGngwpJvfRCHlcTvYN!-1163459943>

Key Words: **Battlefield Wounds, Emergency Treatment, Antiparasitics, Infectious Disease**

Skin

Scleroderma Foundation Research Grant

New

The Scleroderma Foundation

The foundation is interested in fostering development of innovative high-quality research by new and established investigators in fields related to systemic sclerosis. To accomplish this goal, two distinct research grants are offered — the Scleroderma Foundation New Investigator Grant and the Scleroderma Foundation Established Investigator Grant.

Amount: \$150,000

LOI: N/R

Deadline: September 15, 2010

To learn more: <http://www.scleroderma.org/research/researchhome.shtm>

Key Words: **Scleroderma, Autoimmune Diseases**

Centers of Research Translation (P50)

RFA-AR-11-002

National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)

This Funding Opportunity Announcement (FOA), issued by the National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), invites applications for Centers of Research Translation (CORT) (P50). It is expected that a CORT will have a disease-targeted translational theme with individual projects providing synergy for the theme, directed at elucidating the relevance of basic research to human disease in an area within the NIAMS mission. Two major features of the CORT program include: 1) the overarching aim of disease-specific research translation, and 2) the inclusion of resources and an administrative structure to facilitate research translation.

Amount: \$5,000,000

LOI: [May 10, 2010](#); [May 10, 2011](#)

Deadline: [June 10, 2010](#); [June 10, 2011](#)

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AR-11-002.html>

Key Words: **Clinical, Translational Research, Human Subject, Lupus, Scleroderma, SLE, Osteoarthritis, Psoriasis, Molecular Signal Pathways, Orthopedic Trauma Care**

Replication, Fine-Mapping and Sequencing: Follow-Up on Genome-Wide Association Studies for Arthritis and Musculoskeletal and Skin Diseases (R01)

PAR-09-135

National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)

This Funding Opportunity Announcement (FOA), issued by the National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health, encourages applications that propose to perform replication, fine-mapping, and sequencing studies of human genomic regions that are putatively associated with phenotypes relevant to the NIAMS mission. Genomic regions of interest are primarily those identified by genome-wide association studies (GWAS). The objective of this FOA is to enhance the identification of causal genes and genetic variants that influence complex diseases relevant to the NIAMS mission. Replication, fine-mapping, and sequencing studies are to be conducted in existing cohorts with defined phenotypes. This FOA will not support recruitment of human subjects, collection of medical or phenotypic data, studies using animal models, or the initial discovery phase of GWAS.

Amount: \$500,000

LOI: [June 1, 2010](#); [June 1, 2011](#)

Deadline: [June 29, 2010](#); [June 29, 2011](#)

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**

FY10 Neurofibromatosis Research Program (NFRP)

W81XWH-10-NFRP-CTA

W81XWH-10-NFRP-IIRA

W81XWH-10-NFRP-IIFRA

DOD

Congressionally Directed Medical Research Programs (CDMRP)

The vision of the FY10 NFRP is to find and fund the best research to eradicate the clinical impact of NF. Toward this goal, the NFRP seeks to:

- Support innovative, high-impact research that will foster new directions for and address neglected issues in NF research,
- Sponsor multidisciplinary and multi-institutional collaborations that will bring new perspectives to the field,
- Foster the next generation of NF investigators,
- Promote translational and clinical studies to move promising ideas from bench to bedside,
- Develop a balanced portfolio of meritorious research related to all aspects of NF1, NF2, and Schwannomatosis.

Areas of Encouragement: The FY10 NFRP encourages research proposals that specifically address the critical needs of the NF community in the following areas:

- Complications of NF with high mortality such as neoplasms and cerebrovascular abnormalities;
- Complications of NF with high morbidity such as skeletal maladies, learning deficits, hormone-associated effects, and pain;
- Refinement and standardization of imaging techniques, molecular and cellular markers, and quality of life metrics for use in future clinical trials; and
- Translational research such as the development or preclinical testing of therapeutic agents for the treatment of NF.

Amount: up to \$900,000

LOI: [April 29, 2010](#)

Deadline: [May 20, 2010](#)

To learn more: <http://cdmrp.army.mil/funding/nfrp.htm>

Key Words: **Neurofibromatosis**

Structural Biology & Proteomics

Identification and Characterization of Molecular Targets Within the mTOR Pathway With Potential to Impact Healthspan and Lifespan (R21)

New

PA-10-164

National Institute on Aging (NIA)

National Cancer Institute (NCI)

This FOA issued by the National Institute on Aging and the National Cancer Institute encourages grant applications focused on: 1) identifying novel targets within the mTOR (mammalian target of rapamycin) signaling network, the manipulation of which has the potential to promote healthy aging, i.e. extend health span in the aged (NIA interest); and 2) identifying and characterizing dietary constituents that modulate the mTOR pathway and promote cancer prevention (NCI interest). Identification and characterization of targets can utilize a wide range of approaches, including medicinal chemistry, in vitro assays, and studies in lower organisms or mammalian models.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-164.html>

Key Words: **Rapamycin, mTOR, Signaling Pathways, Dietary Modifiers of mTOR**

Gulf War Illness Research Program (GWIRP)

[Clinical Trial Award; Innovative Treatment Evaluation Award; Consortium Development Award; Investigator-Initiated Research Award]

New

W81XWH-10-GWIRP-CTA

W81XWH-10-GWIRP-ITEA

W81XWH-10-GWIRP-CONDEV

W81XWH-10-GWIRP-IIRA

DOD

Congressionally Directed Medical Research Programs (CDMRP)

The FY2010 Gulf War Illness Research Program (GWIRP) challenges the scientific community to design high-impact research that will improve the health and lives of veterans who have Gulf War Illness (GWI). GWI is characterized by multiple diverse symptoms that typically include chronic headache, widespread

pain, cognitive difficulties, debilitating fatigue, gastrointestinal problems, respiratory symptoms, and other abnormalities that are not explained by established medical diagnoses or standard laboratory tests.

The GWIRP focuses its funding on innovative projects that have the potential to make a significant impact on GWI. These may take the form of identification of objective indicators of pathology that distinguish ill from healthy veterans, or studies to understand the underlying pathobiology of GWI. The GWIRP encourages risk-taking research; however, all projects must demonstrate solid judgment and sound rationale.

Amount: up to \$1,500,000; varies with award

LOI: May 14, 2010

Deadline: August 4, 2010

To learn more: <http://cdmrp.army.mil/funding/gwirp.htm>

Key Words: **Glial Cells, Astrocytes, Central Neuroinflammatory Processes, GWI, Neuroendocrine Measures, Autonomic Nervous System Function, Immune Parameters, Chronic Infection, Gastrointestinal Complaints/Symptoms, Genomic Proteomic or Metabolic Characteristics of GWI**

T32 Postdoctoral Research Fellowship

T32HL072757-02

University of Alabama at Birmingham (UAB)

The Section on Statistical Genetics in the Department of Biostatistics at the University of Alabama at Birmingham is accepting applications from statistical and other scientists for postdoctoral positions in statistical genetics, genetic epidemiology, microarray analysis, or proteomic analysis.

Amount: not specified

LOI: N/R

Deadline: Continuous. Fellowship positions are open until filled.

To learn more: <http://www.soph.uab.edu/ssg/default.aspx?id=68>

Key Words:

SBS Awards

Society for Biomolecular Screening (SBS)

The Society for Biomolecular Sciences supports an award of \$5,000 made at least every three years, to recognize outstanding achievements in research, innovation, ground breaking foundation, or seminal contributions that have proven to be broadly applicable to biomolecular screening or pharmaceutical/ agricultural lead discovery. Furthermore, the award seeks to recognize those who have distinguished themselves within the scope of the society's mission. Independence of thought, originality of approach, clarity of vision, and a consistent record of achievement are important criteria. Quality and depth rather than the number of contributions shall be emphasized.

The Society for Biomolecular Sciences supports annual awards of \$1,000 to recognize a member for a significant technical accomplishment, exceeding a benchmark or milestone in screening or the lead discovery process, or an innovative and integrated use of mature technologies. More than one award may be conferred annually.

Amount: \$5,000

LOI: N/R

Deadline: Continuous

To learn more: <http://www.sbsonline.org/awards/>

Key Words: **Biomolecules, Proteomics**

Physiological and Structural Systems

PD 07-1141

NSF

The Physiological and Structural Systems Cluster supports research aimed at furthering the understanding of organisms as integrated units of biological organization. The Cluster considers proposals focused on interacting physiological and structural systems, their environmental and evolutionary contexts, and how these components are constrained by their integration into the whole organism. Projects that use systems approaches to understand why particular patterns of architecture and regulatory control have emerged as general organismal properties are particularly encouraged. Understanding how and why emergent organismal properties such as robustness, adaptability and resilience arise in the context of environmental, genetic, biochemical and morphological variation are of interest. The Cluster encourages model building to augment traditional experimental approaches in order to guide research on complex functional networks. Multidisciplinary approaches to the study of organismal systems including research at the interfaces of biology, physics, chemistry, mathematics, computer science and engineering are encouraged.

Amount: \$140,000

LOI: N/R

Deadline: January 12; July 12; Annually

To learn more: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501090

Key Words: **Physiology, Structural Systems, Integrated Physiology**

Solicitation of Assays for High Throughput Screening (HTS) in the Molecular Libraries Probe Production Centers Network (MLPCN) (R03)

PAR-08-035

NIH Roadmap Initiative

The NIH Molecular Libraries Roadmap Initiative wishes to solicit HTS assay applications from the scientific community from investigators who have the interest and capability to work with the Molecular Libraries Probe Production Centers Network (MLPCN) in support of chemical probe development. This FOA promotes discovery and development of new chemical probes as research tools for use by scientists in both the public and private sector to advance the understanding of biological functions and disease mechanisms. This initiative is one of the integrated components of the NIH Molecular Libraries Roadmap initiative that offers biomedical researchers access to large-scale automated high throughput screening (HTS) centers in the MLPCN, diverse compound libraries in the Small Molecule Repository (MLSMR) and information on biological activities of small molecules in the PubChem BioAssay public database.

Amount: \$25,000

LOI: Apr. 26, 2010; and Aug. 24, 2010

Deadline: May 26, 2010; and Sept. 24, 2010

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-035.html>

Key Words: **HTS Assays, Proteomics, Chemical Probes**

Large Scale Production of Perturbagen-Induced Cellular Signatures (U54)

RFA-RM-10-003

National Institutes of Health (NIH)

National Human Genome Research Institute (NHGRI)

National Heart Lung and Blood Institute (NHLBI)

This FOA seeks to establish a pilot-scale data production effort to systematize approaches for identifying mechanism-based associations among the effects of disparate biological perturbations, a knowledge base that can be used to study functional relationships among the responding cellular components. The Library of Integrated Network-Based Cellular Signatures (LINCS) program will support the high-throughput collection and integrative computational analysis of informative molecular activity and cellular feature signatures generated in response to a variety of perturbing agents, including siRNAs and small bioactive molecules, which are applied to a set of carefully selected cell types. The resulting knowledge will form the basis of a long-lived resource that can be used broadly by the community. For example LINCS may inform association of disease states with detailed molecular or cellular phenotypes, and ultimately associate disease with specific gene networks, or inform the mechanism of action of known drugs. This FOA seeks to fund pilot-scale data production efforts that will produce a usable initial resource while addressing the following issues: optimization of methods, integration of data, and scalability. Pilot production efforts will interact with multiple future additional components (data analysis and informatics tools; and development and integration of new production-ready technologies) of the LINCS program.

Amount: \$4,200,000

LOI: April 1, 2010

Deadline: April 27, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-10-003.html>

Key Words: **Cellular Signaling, Small Molecules**

Deep Sequencing and Analysis of Pharmacogenomic Regions: Discovery and Analysis of Genetic Variants Contributing to Drug Abuse and Addiction (R01)

RFA-DA-10-019

National Institute on Drug Abuse (NIDA)

Genome-wide association studies (GWAS) have been critical for identifying genomic regions associated with addiction phenotypes, and have highlighted several areas that require further refinement using deep sequencing approaches. The goal of this FOA is to support studies proposing to use next-generation sequencing technologies to identify the structural variants and SNP variants with rare to moderate frequencies that affect addiction risk in well-characterized samples with drug abuse phenotypes. Applications may propose strategies for deep sequencing based on family based designs; deep sequencing of regions identified by GWAS to be associated with addiction risk; sequencing candidate genes in individuals with extreme phenotypes; or other analytic approaches that capitalize on the genetic architecture. Applicants must use existing DNA samples with appropriately obtained consents for broad data sharing.

Amount: \$12,500,000

LOI: March 29, 2010

Deadline: April 29, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-10-019.html>

Key Words: **Addiction Phenotype/Genotypes**

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**

Proteomics in Auditory Developmental and Disease Processes (R01) and (R21)

PA-09-228 and PA-06-366

National Institute on Deafness and Other Communication Disorders (NIDCD)

This Funding Opportunity Announcement (FOA) issued by the National Institute on Deafness and Other Communication Disorders (NIDCD), National Institutes of Health (NIH) encourages R01 applications that focus on "Proteomics in Auditory Developmental and Disease Processes".

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-228.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-06-366.html>

Key Words: **Auditory, Development**

Proteomics in Auditory Developmental and Disease Processes (R21)

PA-10-078

National Institute on Deafness and Other Communication Disorders (NIDCD)

The following examples are not meant to be comprehensive or restrictive, but rather represent projects relevant to the auditory system. Examples of projects responsive to this FOA include but are not limited to:

Proteomic analysis of specific cell types of the inner ear, other auditory pathways, and/or their subcellular structures.

Proteomic analysis of specific otocyst cell/tissue types through a variety of developing stages.

Comparative analysis between proteome and transcriptome of a defined auditory cell and/or tissue type; comparative determination between proteomic and transcriptome results.

Comparative analysis of infection state in middle ear tissue, cell type, in response to invasion with otitis media pathogens; comparative proteomic analysis of infectious pathogens involved in middle ear infections upon biofilm or infection stimulus.

Proteomic analysis of auditory genetic disorders, presbycusis, environmental noise or drug trauma; biological and/or clinical in design.

Proteomic analysis of native purified and/or in vitro propagated cultures of putative auditory progenitor cells; comparative studies of transdifferentiated/induced auditory cells and subtypes.

Use of proteomic approaches to study the signal transduction networks related to transcription factors, cell surface receptors, growth factors, and other biomarkers relevant to auditory development.

Proteomic identification of novel signaling molecules and pathways involved in cell development, differentiation, communication, function and destruction, as applied to auditory signaling processes.

Development of novel proteomic bioinformatics for annotating genomic and protein sequence information for auditory function.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-078.html>

Key Words: **Proteomics, High Throughput Technologies, Hearing**

Notice of Availability of Administrative Supplements for Roadmap Assay Development for HTS Awards (National Institute for Neurological Disorders & Stroke)

NOT-NS-10-012

National Institute of Neurological Disorders and Stroke (NINDS)

For 2010, administrative supplements will be provided to NINDS-relevant projects funded in the Roadmap Molecular Libraries Assay Development for HTS Program. Investigators successfully submitting new, HTS-ready projects from this Program to the MLPCN, via the "Fast Track direct entry" process described in the RM-08-024 announcement (<http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-08-024.html>), can request a supplement of up to \$50,000 (total cost) from NINDS.

Amount:

LOI:

Deadline: Released March 3, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-NS-10-012.html>

Key Words: **High Throughput Screening, Small Molecule Structures, Public Databases, Molecular Libraries Probe Production Centers Network**

Collaborative Research for Molecular and Genomic Studies of Behavior in Animal Models (R01)

PA-10-125

National Institute of General Medical Sciences (NIGMS)

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

The purpose of this Funding Opportunity Announcement (FOA), issued by the National Institute of General Medical Sciences (NIGMS) and the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institutes of Health, is to facilitate collaborative research, involving behavioral scientists and investigators with expertise in molecular biology and/or genomics, which addresses questions about the mechanisms of behavior in animal models. Applications from multiple PIs are encouraged.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-125.html>

Key Words: **Maternal Behavior, Social Development, Cognitive Development, Developmental Disability, Neuroimaging, Gene-Brain-Behavior Associations**

Technology Development for Protein Modeling (P01) and (R01)

PAR-10-075 and PAR-10-076

National Institute of General Medical Sciences (NIGMS)

This FOA issued by the National Institute of General Medical Sciences (NIGMS), National Institutes of Health, encourages grant applications from institutions/organizations that propose to develop novel technologies that will significantly improve the accuracy of comparative modeling methods for protein structure prediction.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-075.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-10-076.html>

Key Words: **Protein Structure Prediction, Modeling, X-ray Crystallography, Protein Sequencing**

Technology Development for High-Throughput Structural Biology Research (P01) and (R01)

PAR-10-074 and PAR-10-073

National Institute of General Medical Sciences (NIGMS)

This FOA issued by the National Institute of General Medical Sciences (NIGMS), National Institutes of Health, encourages grant applications from institutions/organizations that propose to develop novel technologies and methodologies underpinning high-throughput structural biology. Applications for new ideas and approaches for protein production and structure determination for classes of challenging proteins are appropriate. Projects related to high-throughput structure determination by X-ray crystallography and NMR, as well as projects addressing other constituent tasks of structural biology, including structural genomics, are relevant to this FOA.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-074.html> and <http://grants.nih.gov/grants/guide/pa-files/PAR-10-073.html>

Key Words: **X-Ray Crystallography, NMR, Membrane Proteins, Small Protein Complexes**

Centers for High-Throughput Structure Determination (U54)

RFA-GM-10-005

National Institute of General Medical Sciences (NIGMS)

This FOA solicits applications to establish Centers for High-Throughput Structure Determination that will become the backbone of the NIGMS PSI: Biology network for high-throughput-enabled structural biology. The centers must be able to provide capabilities for high-throughput structure determination on the order of those that have been developed during previous phases of the Protein Structure Initiative (PSI), e.g., ~ 200 structures per year deposited in the Protein Databank (PDB).

Amount: \$40,000,000

LOI: September 28, 2011

Deadline: October 28, 2011

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-10-005.html>

Key Words: **Protein Structure Determination, High-Throughput, Technology Development**

Centers for Membrane Protein Structure Determination (U54)

RFA-GM-10-006

National Institute of General Medical Sciences (NIGMS)

This FOA solicits applications to establish Centers for Membrane Protein Structure Determination that will become a vital component in fulfilling the expanded goals of the NIGMS PSI: Biology network for high-throughput-enabled structural biology.

Amount: \$25,000,000

LOI: September 28, 2010

Deadline: October 28, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-GM-10-006.html>

Key Words: **Membrane Protein Structure**

Innovation in Molecular Imaging Probes (R01)

PAR-09-016

National Institute of Biomedical Imaging and Engineering

National Institute on Aging

National Institute of Arthritis and Musculoskeletal and Skin Diseases

Eunice Kennedy Shriver National Institute of Child Health and Human Development

National Institute

This FOA is issued by the National Institute of Biomedical Imaging and Bioengineering, National Institutes of Health. This FOA is a follow up of a previous Roadmap RFA (RM-04-021 "Innovation in Molecular Imaging Probes"). The purpose of this initiative is to encourage the development of novel molecular imaging approaches that can detect and image specific molecular activities in vivo, and have the potential for clinical applications. Novel molecular imaging approaches developed through this initiative can focus on one (or both) of the following long-term translational goals: (1) imaging the characteristic markers, and function, of normal cells in control human subjects and patients, and (2) imaging the characteristic markers, and biochemical or physiological abnormalities, of disease cells in patients. Potential abnormalities that could provide early markers for disease include (but are not restricted to): inflammation, fibrosis, immune cell activation, altered signal transduction pathways, altered gene expression pathways, and altered post-translational modification of proteins. This initiative solicits applications that explore innovative "high-impact" approaches, rather than incremental technology development that is already supported by current NIH programs.

Amount: varies

LOI: December 21, 2010; April 21, 2010; August 21, 2010; April 20, 2011; August 21, 2011

Deadline: May 21, 2010; September 21, 2010; January 21, 2011; May 20, 2011; September 21, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-016.html>

Key Words: **Molecular Imaging Probes**

Programs of Excellence in Glycosciences (P01)

RFA-HL-10-026

National Heart, Lung, and Blood Institute (NHLBI)

The National Heart, Lung, and Blood Institute (NHLBI) solicits applications to participate in the Programs of Excellence in Glycosciences (PEG). The goal of the PEG is to translate emerging discoveries in glycosciences into new diagnostics and clinical applications and to build research capacity. This program will create resources and a cadre of scientifically bilingual investigators fluent in glycan chemistry and biology that will sustain and advance the application of glycosciences to heart, lung, and blood research. To accomplish this goal, the initiative will support new partnerships to conduct multidisciplinary research, provide a glycosciences skills development core to nurture and develop new investigators, and establish a shared resources core to advance the application of glycosciences to heart, lung, and blood research.

Amount: 11,200,00

LOI: April 9, 2010

Deadline: May 10, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-10-026.html>

Key Words: **Glycoscience**

Prioritizing Molecular Targets for Cancer Prevention with Nutritional Combinations (R01)

PA-10-035

National Cancer Institute (NCI)

Office of Dietary Supplements (ODS)

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), and the Office of Dietary Supplements (ODS), of the National Institutes of Health (NIH), invites research applications to enhance our understanding about the dynamic interrelationship that exists between bioactive food components (and/or combinations thereof) and cancer prevention. Although much evidence exists that dietary components are linked to cancer prevention, the interactions among dietary bioactive compounds and food combinations remains under-investigated. Applications are encouraged to consider either multiple dietary bioactive components, intact foods or multiple foods utilizing physiologically relevant concentrations of the agents. New genetic technologies may be employed to study the impact of dietary components on complex cellular and molecular networks, as part of the effort to better understand the basis for the multifaceted interactions of food components with cancer prevention mechanisms. Specifically, applications that apply new high-throughput genomic, epigenomic, proteomic, and metabolomic technologies to prioritize molecular targets of dietary components are highly encouraged. The sites of action that may be evaluated include carcinogen metabolism, DNA repair, cell proliferation, apoptosis, differentiation, hormonal regulation, energetics, inflammation, and/or angiogenesis. In addition, applications should either evaluate multiple molecular targets within a cancer process or multiple processes in order to prioritize which process(es) is/are most involved in bringing about a phenotypic change. It is hoped that advances in this area may assist in optimizing cancer prevention while minimizing potential toxicity due to food components. The resulting information will help define which foods or food components should be considered in isolation or in combination when developing dietary strategies to reduce cancer risk and/or modify tumor behavior.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-035.html>

Key Words: **Dietary Components, Cancer Prevention**

Strategic Partnering to Evaluate Cancer Signatures [SPECS II] (U01)

PAR-10-126

National Cancer Institute (NCI)

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI) of the National Institutes of Health (NIH), encourages the submission of grant applications for support of the clinical application of multi-analyte molecular signatures derived from comprehensive molecular annotation of tumors. There is growing recognition in the clinical cancer research community that annotation of tumor specimens with data that integrates information about molecular alterations at the levels of DNA, RNA, and protein provides not only a more complete understanding of tumor biology but also provides a significant opportunity for developing new clinical tools to improve cancer treatment. Translating the knowledge gained from this molecular annotation into tools that can be used in clinical decision-making remains a major challenge. The purpose of this initiative is to build on recent demonstrations that molecular signatures correlate with important clinical parameters in cancer. The goal of this initiative is also to create publications and data sets that will be available and accessible to the scientific community in order to further the development, design, and conduct of future clinical trials (e.g., incorporation of molecular signatures into future clinical trials and large clinical validation studies) and to encourage appropriate commercialization to benefit the public health. The NCI invites investigators to form strategic partnerships that will bring together the multi-disciplinary expertise and resources needed to determine how the information derived from comprehensive molecular analyses can be used to improve patient care and, ultimately, patient outcomes.

Amount: varies

LOI: May 15, 2010, May 15, 2011, May 15, 2012

Deadline: June 15, 2010, June 15, 2011, June 15, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-126.html>

Key Words: **Molecular Signatures, Diagnostic Tools, Assessment**

Critical Challenges in Parkinson's Disease

Michael J Fox Foundation (MJFF)

The foundation has announced that up to \$5.75 million in total funding will be available through three 2010 Critical Challenges:

Alpha-synuclein Therapeutics — A total of \$3 million in funding is available for pre-clinical projects to accelerate therapeutic development of the PD-implicated gene alpha-synuclein, which many researchers believe holds potential to lead to a new treatment that could slow or stop the progression of PD.

Pharmacodynamic Biomarkers of LRRK2 Activity — A total of \$2 million in funding is available for efforts to develop drug-activity biomarkers that can improve outcomes from future clinical trials of treatments targeting the PD-implicated gene LRRK2. The foundation will give preference to proposals seeking to verify and validate promising, pre-defined candidate LRRK2-associated biomarkers.

Novel Hypotheses in Parkinson's Disease: Investigating Clinical Data and Human Tissue — A total of \$750,000 is available to provide scientists around the globe with the opportunity to collaborate with the Arizona Parkinson's Disease Consortium. Funded investigators should propose drug development projects that can benefit from access to APDC's exceptional bank of well-characterized biologics, postmortem tissue, and associated clinical data.

Amount: unspecified

LOI: April 28, 2010

Deadline: July 13, 2010

To learn more: http://www.michaeljfox.org/research_fundingOpportunities.cfm

Key Words: **Parkinson's Disease, Histologic Studies, Biological Targets, Molecular Risk Factors, Gene Expression, Disease Progression**

Advances in Bioscience for Airmen Performance

BAA-09-02-RH

Air Force Research Laboratory, Human Effectiveness Directorate, Biosciences and Performance Division (AFRL/RHP)

The 711th Human Performance Wing, Human Effectiveness Directorate is soliciting white papers under this announcement for innovative science and technology projects to support advanced bioscience research. Specifically, the Biosciences and Performance Division is seeking unique and innovative research concepts that address its technical mission areas. Research is sought primarily in the following four technical areas: 1) Applied Biotechnology, 2) Biobehavioral Performance, 3) Biomechanics, and 4) Counter proliferation.

1) Applied Biotechnology - Goal is to develop and exploit advances in biotechnology and associated nanotechnologies to enhance performance and situational awareness of the force.

2) Biobehavioral Performance – Goal is to develop bio-based methods and techniques to sustain and optimize airmen's cognitive performance.

3) Vulnerability Analysis – Goal is to rapidly identify human threat conditions, and sustain/expand Airmen performance in stressful environments. It includes research in physical and physiological biosignatures, neuroscience, anthropometry, biomechanics, human modeling, database networking, and data mining.

4) Counter proliferation – Goal is to improve the Air Force's ability to locate, identify, track, target, and destroy biological warfare agents (BWA) and other weapons of mass destruction (WMD), as well as anticipate and mitigate WMD effects on AF operations.

Amount: Cost Plus

LOI: White Papers accepted until September 30, 2014

Deadline:

To learn more:

https://www.fbo.gov/index?s=opportunity&mode=form&id=411797fcc2260cb5d9ed346b3c139a4b&tab=core&_cvview=1&cck=1&au=&ck=

Key Words: **Gene Expression Balance, Protein Expression Patterns, Phenotypic Patterns, Biomarker Signatures, Cognitive Performance**

Therapies and Therapeutics

NINDS Cooperative Program in Translational Research for Resistant Epilepsy and Epileptogenesis (U01)

New

PAR-10-144

National Institute of Neurological Disorders and Stroke (NINDS)

The goal of this funding opportunity announcement (FOA), from the National Institute of Neurological Disorders and Stroke (NINDS) is to support preclinical development of new therapies to cure epilepsy, prevent the emergence of epilepsy following brain injury (including status epilepticus, traumatic brain injury, stroke, encephalitis, or other injury) or in other high-risk groups, or to better treat individuals with intractable epilepsy. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program supports preclinical optimization and testing of these leads and projects must be sufficiently advanced that an IND or IDE application to the FDA can be submitted by the end of the project period. The program does not support early-stage therapeutic discovery activities such as high throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NIH staff in the development of the project plan and monitoring of research progress.

Amount: varies

LOI: 30 days prior to each submission date

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-144.html>

Key Words: **Epilepsy**

NINDS Exploratory/Developmental Projects in Translational Research for Resistant Epilepsy and Epileptogenesis (R21)

New

PAR-10-143

National Institute of Neurological Disorders and Stroke (NINDS)

This funding opportunity announcement (FOA), from the National Institute of Neurological Disorders and Stroke (NINDS) encourages applications for projects intended to complete preliminary steps in the pipeline for the preclinical development of therapeutics to cure epilepsy, prevent the emergence of epilepsy following brain injury (including status epilepticus, traumatic brain injury, stroke, encephalitis, or other injury) or in other high-risk groups, or to better treat individuals with intractable epilepsy. Such projects, if successful, should lead directly to a subsequent project that will include all remaining activities for submission of an Investigational New Drug (IND) or Investigational Device Exemptions (IDE) application to the Food and Drug Administration (FDA). Only Aims required for therapy development can be supported in this program. This program excludes clinical research, basic research, and studies of disease mechanisms.

Amount: \$275,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-143.html>

Key Words: **Epilepsy**

Lab to Marketplace: Tools for Brain and Behavioral Research (SBIR [R43/R44])

PA-08-071

NIH

The NIH Blueprint for Neuroscience Research is a framework to enhance cooperative activities among the NIH Office of the Director and 15 NIH Institutes and Centers that support research on the nervous system. This Funding Opportunity Announcement (FOA) is

released in affiliation with the Neuroscience Blueprint, with Institutes and Centers participating independently, and with participation by Institutes and Centers that are not part of the Blueprint. This FOA encourages the translation of technologies for brain or behavioral research from academic and other non-small business research sectors to the marketplace. Solicited from Small Business Concerns (SBCs) are Small Business Innovation Research (SBIR) grant applications that propose to further develop, make more robust, and make more user-friendly such technologies in preparation for commercial dissemination. It is expected that this activity will require partnerships and close collaboration between the original developers of these technologies and SBCs, which may be accomplished in any of a number of ways, including the use of multiple principle investigators.

Amount: varies

LOI: N/R

Deadline: continuous, see listing

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-071.html>

Key Words:

Design, Synthesis, and Preclinical Testing of Potential Treatment Agents for Drug Addiction (R01)

PAS-08-041

NIH

The National Institute on Drug Abuse (NIDA) invites research applications aimed at design, synthesis, and preclinical testing of potential treatment agents for drug addiction and/or relapse prevention. Recent advances in molecular neurobiological mechanisms underlying drug addiction provide a basis for development of new therapeutic targets and chemical entities to treat and prevent relapses of drug addiction.

Amount: \$150,0000

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:

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:

Transdisciplinary Research on Fatigue and Fatigability in Aging (R21) [PA-08-161]

Transdisciplinary Research on Fatigue and Fatigability in Aging (R21) [PA-08-162]

PA-08-161 and PA-08-162

National Institute on Aging

National Cancer Institute

National Institute of Nursing Research

Office of Dietary Supplements

Office of Research on Women's Health

The purpose of this funding opportunity announcement (FOA) is to encourage submission of exploratory or developmental research applications on fatigue and fatigability in aging. This FOA is intended to promote research studies employing transdisciplinary approaches that could lead to increased understanding of mechanisms contributing to, assessment of, or potential interventions for, increased fatigue or fatigability in older persons. This FOA is soliciting applications of an exploratory or developmental nature in order to stimulate new ideas, techniques, or approaches. Applications responsive to this announcement are not required to contain preliminary data, though such data may be included if available. Both animal models and humans are appropriate for study under this FOA.

Amount: limited to \$275,000 over an R21 two-year period,

LOI: N/R

Deadline: multiple dates, see announcement

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-161.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-162.html>

Key Words:

Alzheimer's Disease Drug Development Program (U01)

PAR-08-266

National Institute on Aging (NIA)

The objective of this solicitation is to stimulate research in the pre-clinical development and testing of novel therapeutic compounds aimed at slowing, halting, or reversing the progressive decline in cognitive function and modifying the behavioral symptoms in Alzheimer's disease (AD); or delaying the onset of or preventing AD, mild cognitive impairment (MCI), or age-related cognitive decline. This initiative is intended to stimulate activities focused on providing sufficient data to submit an Investigational New Drug (IND) application to the Food and Drug Administration to begin human clinical testing of potential new therapies. For this program neither mechanistic/basic studies nor clinical trials will be supported; only applications to develop a therapy will be accepted.

Amount: \$4,000,000

LOI: September 1, 2010, October 1, 2010, January 3, 2011, February 1, 2011, September 1, 2011 and October 3, 2011. (Note: The October and February letters of receipt dates are for amended applications only).

Deadline: October 1, 2010, November 1, 2010, February 1, 2011, March 1, 2011, October 1, 2011 and November 1, 2011. (Note: The November and March receipt dates are for amended applications only).

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-266.html>

Key Words: **Alzheimer's Disease, Cognitive Function, Cognitive Impairment**

Optimization of Small Molecule Probes for the Nervous System (STTR [R41]) and (SBIR [R43])

PAR-09-259 and PAR-09-260

National Institute of Neurological Disorders and Stroke (NINDS)

National Eye Institute (NEI)

National Institute on Aging (NIA)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

National Institute on Drug Abuse (NIDA)

This Funding Opportunity Announcement (FOA) encourages Small Business Technology Transfer (STTR) grant applications from small business concerns (SBCs) that propose to develop new small molecule probes for investigating biological function in the nervous system via the application of advanced medicinal chemistry and the biological testing of compounds. Eligible SBCs will have identified probe candidates via screening of small molecule collections, using in vitro assays of biological activity developed to interrogate these collections, and be able to show that the structural features of these small molecules are related to their biological activity. Applications should nominate small molecule probe candidates from distinct structural series for the further, iterative design and testing of analogues in structure-activity relationship studies, using in vitro assays of biological function adapted to the medium throughput screening requirements of this work. These studies should have the goal of developing a small molecule probe possessing the attributes (eg: affinity, selectivity, activity) required for its use in future pharmacological studies proposed by the SBC. Applicants are strongly encouraged to utilize publicly available cheminformatic capabilities for the acquisition of compounds, and semi-custom synthesis of analogues, which is required of these studies.

Amount: \$300,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-259.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-260.html>

Key Words: **Small Molecule Probes**

NINDS Cooperative Program in Translational Research – Single-Component Research Projects (U01)

PAR-08-233

National Institute of Neurological Disorders and Stroke (NINDS)

The goal of this funding opportunity announcement (FOA) is to support pre-clinical development and testing of new therapies for neurological disorders. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program supports pre-clinical optimization and testing of these leads and projects must be sufficiently advanced that an IND or IDE application to the FDA can be submitted by the end of the project period. The program does not support early-stage therapeutic discovery activities such as high throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NINDS staff in the development of the project plan and monitoring of research progress

Amount: varies

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-233.html>

Key Words: **Clinical translational, neurology, neurological disorders**

NINDS Cooperative Program in Translational Research - Multi-Component Research Projects (U54)

PAR-08-234

National Institute of Neurological Disorders and Stroke (NINDS)

The goal of this Funding Opportunity Announcement (FOA) is to support preclinical development and testing of new therapies for neurological disorders. The program will facilitate solicitation, development, and review of therapy-directed projects to accelerate the translation of basic research discoveries into therapeutic candidates for clinical testing. This program is specifically directed at projects that include therapeutic leads with demonstrated activity against the intended disease target. The program does not support early-stage therapeutic discovery activities such as high-throughput screening. The program also excludes clinical research, basic research, and studies of disease mechanism. This is a milestone-driven cooperative agreement program involving participation of NINDS staff in the development of the project plan and monitoring of research progress.

Amount: varies

LOI: N/R

Deadline: standard dates apply (January 25, May 25, and September 25. AIDS application submission dates are May 7, September 7, and January 7)

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-234.html>

Key Words: **Neurological Disorders, Neurology, Neuroscience, Clinical translational**

NINDS Announces Availability of Funds for Competitive Revision Applications for Grand Challenge on Optimal Cortical Control of DARPA Revolutionizing Upper-Limb Prosthetics (R01 and R37)

NOT-NS-10-013

National Institute of Neurological Disorders and Stroke (NINDS)

The purpose of this notice is to encourage requests for competitive revisions to research projects currently funded by NIH R01 and R37 grant mechanisms, appropriate for support on research and development for a Grand Challenge on achieving optimal electrocorticography (ECoG) based cortical control of the Revolutionizing Upper-limb Prosthetics 2009 developed by the U.S. Defense Advanced Research Projects Agency (DARPA). The Grand Challenge will be to achieve reaching and grasping of objects by the DARPA Arms in a subject's natural work space, by obtaining maximum cortical control that can be realized on the highly anthropomorphic prosthetic arm and hand.

Amount:

LOI:

Deadline: Release Date March 12, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-NS-10-013.html>

Key Words: **Prosthetics, Movement**

NINDS Cooperative Program in Translational Research - Resource Centers (U24)

PAR-08-236

National Institute of Neurological Disorders and Stroke (NINDS)

The goal of this Funding Opportunity Announcement (FOA) is to implement a program of cooperative agreements that will support milestone-driven, resource-related projects focused on providing products and services that are required for the preclinical testing of new therapeutics, and that are specific to neurology.

Amount:

LOI: N/R

Deadline: standard dates apply (May 25, and September 25. AIDS application submission dates are May 7, September 7, and January 7)

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-236.html>

Key Words: **Neurological Disorders, Neurology, Neuroscience, Clinical translational**

Collaborative R34s for Pilot Studies of Innovative Treatments in Mental Disorders (Collaborative R34)

PA-09-075

National Institute of Mental Health (NIMH)

National Center for Complementary and Alternative Medicine

This Funding Opportunity Announcement (FOA), issued by the National Institute of Mental Health (NIMH) and the National Center for Complementary and Alternative Medicine (NCCAM), seeks to support collaborative preliminary intervention studies to evaluate the feasibility, tolerability, acceptability and safety of novel mechanism drug candidates, promising investigational new drugs (INDs), or

novel psychosocial strategies for the treatment of mental disorders and for obtaining the preliminary data needed as a pre-requisite to larger-scale (efficacy or effectiveness) intervention or services studies. This FOA should be used when at least two but no more than three sites are needed to complete the study. The collaborating studies should be organized in order to increase sample size, accelerate recruitment, and/or increase sample diversity and representation. For a linked set of collaborative R34s, each site shall have its own Project Director/Principal Investigator and provide for a mechanism for cross-site coordination, quality control, database management, statistical analysis, and reporting.

Amount: \$450,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-075.html>

Key Words: **Mental Disorders, Drug Therapy**

Pilot Intervention and Services Research Grants (R34)

PAR-09-173

National Institute of Mental Health (NIMH)

The purpose of this Funding Opportunity Announcement (FOA) is to encourage research on 1) the development and/or pilot testing of new or adapted interventions, 2) the adaptation and/or pilot testing of interventions with demonstrated efficacy for use in broader scale effectiveness trials, or 3) innovative services research directions that require preliminary testing or development. The R34 award mechanism provides resources for evaluating the feasibility, tolerability, acceptability and safety of novel approaches to improving mental health and modifying health risk behavior, and for obtaining the preliminary data needed as a pre-requisite to a larger-scale (efficacy or effectiveness) intervention or services study. NIMH intervention and services research is aimed at preventing or ameliorating mental disorders, emotional or behavioral problems, the co-occurrence of mental, physical and substance abuse problems, HIV infections, and the functional consequences of these problems across the life span.

Amount: \$450,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-173.html>

Key Words: **Health Risk Behavior, Mental Health Treatment**

Development and Validation of Disease Biomarkers (R01)

PA-09-204

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) (<http://www2.niddk.nih.gov>)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

National Institute of Nursing Research (NINR)

Office of Dietary Supplements (ODS)

This Funding Opportunity Announcement (FOA) issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Institute on Alcohol Abuse and Alcoholism (NIAAA), the National Institute of Nursing Research (NINR), and the Office of Dietary Supplements (ODS) of the National Institutes of Health, will provide resources to validate candidate biomarkers for well-defined human diseases of the liver, kidney, urological tract, and digestive and hematologic systems, as well as endocrine and metabolic disorders, diabetes and its complications, and obesity, for which there are no or very few biomarkers, or for which standard biomarkers are currently prohibitively invasive or expensive. A biomarker is an indicator of a disease process, and could replace hard clinical end points as a measure of the effect of new therapies. Appropriate studies will validate candidate biomarkers in well-defined patient populations, provide new technologies to monitor biomarkers or establish reliable assays for validated markers. Progress in this area has the potential to advance translational research related to efficacy of treatments and bio-behavioral interventions. This FOA is not appropriate for biomarker discovery projects.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-204.html>

Key Words: **Biomarkers, Translational Research, Therapies**

National Cancer Institute Program Project (P01) Applications

PAR-09-025

National Cancer Institute (NCI)

With this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI) invites applications for investigator-initiated program project (P01) grants. Proposed program projects may address any of the broad areas of cancer research, including (but not limited to) cancer biology, cancer treatment, cancer diagnosis, cancer prevention, and cancer control. Basic, translational, clinical, and/or population-based studies in all of these research areas are appropriate. Each Program Project application must consist of at least three component projects. The component projects must share a common central theme, focus, and/or overall objective.

Amount: varies

LOI: April 28, 2010; August 28, 2010; December 28, 2010; April 30, 2011; August 28, 2011
Deadline: May 28, 2010; September 28, 2010; January 28, 2011; May 27, 2011; September 28, 2011
To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-025.html>
Key Words: **Cancer, Cancer Biology, Clinical Translational Research**

Mitochondria in Cancer Epidemiology, Detection, Diagnosis and Prognosis (R01) [PA-08-143] and (R21) [PA-08-144]

PA-08-143 and PA-08-144

National Cancer Institute

This funding opportunity announcement (FOA) encourages Research Project Grant (R01) applications that propose to develop and validate new mitochondrial-related biomarkers for cancer early detection, diagnosis, prognosis, risk assessment, and response to preventive and ameliorative treatments.

Amount: varies

LOI: N/R

Deadline: standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-143.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-08-144.html>

Key Words:

Investigate Therapeutic Effects of Horses on Humans

Horses and Humans Research Foundation (HHRF)

The purpose of Horses and Humans Research Foundation (HHRF) funded research is to investigate the therapeutic effects of horses on humans. The broad research agenda includes basic research as well as clinical studies that will ultimately impact the physical and mental health and quality of life for people with disabilities who are involved with equine-assisted activities/therapies (EAAT).

Amount: \$50,000

LOI: N/R

Deadline: May 15, 2010

To learn more: <http://www.horsesandhumans.org/Research.html>

Key Words: **Equine Assisted Therapy**

The Clagett Family Research Grant

Foundation for Physical Therapy

The Clagett Family Research Grant is intended to fund research on interventions that use exercise to improve mobility and participation in older adults with multiple chronic conditions. The foundation encourages collaborative and multidisciplinary teams to apply for a grant.

Amount: \$300,000

LOI: March 1, 2010

Deadline: May 5, 2010

To learn more:

http://www.apta.org/AM/Template.cfm?Section=Awards_and_Scholarships&TEMPLATE=/CM/ContentDisplay.cfm&CONTENTID=67897

Key Words: **Exercise, Mobility, Physical Therapy, Aging**

Pilot and Feasibility Awards

Research Grants

LeRoy Matthews Physician/Scientist Award and the Harry Shwachman Clinical Investigator Award

Cystic Fibrosis Foundation Therapeutics, Inc. (CFFT)

The CF Foundation (CFF) offers competitive awards for research related to cystic fibrosis. Studies may be carried out at the subcellular, cellular, animal, or patient levels. Two of these funding mechanisms include Pilot and Feasibility Awards and Research Grants. Since these applications are reviewed by the CFF's Research and Research Training Committee, those proposals that include methodologies requiring sampling of materials from human subjects will only be considered under this mechanism if the sampling method constitutes minimal patient risk (e.g., venipuncture) and patient samples or data are anonymous.

For applications where more invasive procedures are proposed or where patient samples or data will not be anonymous, please submit a Letter of Intent for a Clinical Research Award.

Also, the CF Foundation offers physician-scientist training awards, including the LeRoy Matthews Physician/Scientist Award and the Harry Shwachman Clinical Investigator Award.

Amount: varies

LOI: the CF Foundation will consider NIH applications that have received a competitive score but missed the payline under the CFF/NIH-unfunded award mechanism. These applications are accepted on an on-going basis.

Deadline: first Wednesday in September

To learn more: <http://www.cff.org/research/ForResearchers/FundingOpportunities/ResearchGrants/>

Key Words: **Cystic Fibrosis**

Training and Fellowships

International Neuroscience Fellowship (F05)

New

PAR-10-167

National Institute of Neurological Disorders and Stroke (NINDS)

National Institute on Aging (NIA)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

Eunice Kennedy Shriver National Institute of Child Health & Human Development (NICHD)

National Ins

The goal of the International Neuroscience Fellowship (INF) is to advance the training of qualified foreign neuroscientists and clinicians at the early or mid-career level, by enhancing their basic, translational or clinical research skills in a research setting in the United States (U.S.). This program aims to strengthen the intellectual capital of neuroscience research in international institutions. Awardees are expected to pursue future independent and productive careers, which stimulate research in the neurosciences on a global scale.

Amount: unspecified

LOI: July 16, 2010, 2011, 2012

Deadline: August 16, 2010, 2011, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-167.html>

Key Words: **Neuroscience Fellows**

Institutional Training for a Dental and Craniofacial Research Workforce (T90/R90)

New

PAR-10-170

National Institute of Dental and Craniofacial Research (NIDCR)

The National Institute of Dental and Craniofacial Research (NIDCR) will award T90/R90 grants to eligible institutions that are committed to supporting predoctoral and postdoctoral research training as a means to help ensure that a diverse and highly trained workforce is available to address the Nations health related needs in dental, oral, and craniofacial research. This NIDCR program is designed in recognition of the need to develop a cadre of highly qualified independent scientists who can successfully address basic, behavioral, and clinical research questions to improve oral, dental and craniofacial health. Trainees are required to pursue full-time research training. Priority will be given to programs that present plans and evidence that they will train dentist scientists either as predoctoral dual degree dentist scientists, dentists receiving PhD training or dentists training in a postdoctoral research experience.

Amount: \$4,000,000

LOI: August 25, 2010, 2011, 2012

Deadline: September 25, 2010, 2011, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-170.html>

Key Words: **Oral, Dental and Craniofacial Health**

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Training for a Dental and Craniofacial Research Workforce (T32)

New

PAR-10-171

National Institute of Dental and Craniofacial Research (NIDCR)

The National Institute of Dental and Craniofacial Research (NIDCR) will award T32 Institutional Training grants to eligible institutions that are committed to supporting predoctoral and postdoctoral research training as a means to help ensure that a diverse and highly trained workforce is available to address the Nations health related needs in dental, oral, and craniofacial research. This NIDCR program is designed in recognition of the need to develop a cadre of highly qualified independent scientists who can successfully address basic, behavioral, and clinical research questions to improve oral, dental and craniofacial health. Trainees are required to pursue full-time research training. Priority will be given to programs that present plans and evidence that they will train dentist scientists

either as predoctoral dual degree dentist scientists, dentists receiving PhD training or dentists training in a postdoctoral research experience.

Amount: \$4,000,000

LOI: August 25, 2010, 2011, 2012

Deadline: September 25, 2010, 2011, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-171.html>

Key Words: **Oral, Dental and Craniofacial Health**

The NEI Mentored Clinical Scientist Development Program Award (K12)

New

PAR-10-166

National Eye Institute (NEI)

The purpose of the NEI Mentored Clinical Scientist Development Program Award (K12) is to facilitate and support the career development of clinical vision scientists who have made a commitment to independent research careers. It will allow institutions to provide two to five years of comprehensive individualized career development training for selected clinically trained professionals (DO, DVM, MD, MD/PhD, OD, and PhD) who have the potential to develop into productive vision clinician-scientists. Under this award, recently trained clinicians are to be selected and appointed to the program by the grantee institution.

Amount: \$5,625,000

LOI: N/R

Deadline: June 3, 2010, and May 13, 2011

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-166.html>

Key Words: **Clinical Visual Research**

Paul Calabresi Career Development Award for Clinical Oncology (K12)

New

PAR-10-155

National Cancer Institute (NCI)

This funding opportunity announcement (FOA) issued by the National Cancer Institute (NCI) encourages applications for institutional research career development (K12) programs from applicant organizations that propose to promote the training and career development of translational and clinical trials researchers. The purpose of the Paul Calabresi Career Development Award in Clinical Oncology (PCACO) K12 (NIH Institutional Research Career Development K12 grant mechanism) is to increase the number of clinicians (M.D.s, D.O.s, Pharm.D.s) and basic research scientists (Ph.D.s. or equivalents) who are trained to design and administer hypothesis-based pilot/Phase I, Phase II, and Phase III cancer therapeutic clinical trials in team research settings. A PCACO can support the research career development of clinicians only (single-track program) or clinicians and Ph.D. basic research scientists (dual-track program). Clinical and basic research scientists will collaborate and interact to expedite the translation of basic science research discoveries into patient-oriented therapeutic cancer research. The PCACO is not intended to train laboratory-based scientists whose research will be primarily focused upon the use of animal or other model systems.

Amount: \$5,250,000

LOI: N/R

Deadline: June 10, 2010; June 10, 2011; June 11, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-155.html>

Key Words: **Cancer, Clinical Trial Researchers, Training**

National Cancer Institute (NCI) Cancer Education and Career Development Program (R25)

New

PAR-10-165

National Cancer Institute (NCI)

The purpose of the CECDP is to support the development and implementation of institutional curriculum-dependent predoctoral/postdoctoral programs in the areas of cancer prevention and control, behavioral and population sciences research, nutrition, epidemiology, and/ or biostatistics.

Amount: \$500,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-165.html>

Key Words: **Educational Program Development, Cancer**

Child Health Research Career Development Award (CHRCDA) Program [K12]

New

RFA-HD-10-007

Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

This funding opportunity announcement (FOA) issued by Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institutes of Health, solicits applications for institutional research career development (K12) programs from applicant organizations that propose to continue to support a national program of mentored institutional career development programs for junior faculty who have recently completed postgraduate clinical training in Pediatrics, and are committed to launching an independent research career. The program provides supervised research training to assist junior faculty in their transition into productive, physician scientists in areas related to pediatrics and its subspecialties.

Amount: \$2,000,000

LOI: May 10, 2010

Deadline: June 9, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-10-007.html>

Key Words: **Pediatric Research**

Air Force Fiscal Year 2011 Young Investigator Research Program

New

AFOSR-BAA-2010-3

Department of Defense (DoD)

The Air Force Office of Scientific Research (AFOSR)

The AFOSR's Young Investigator Research Program (YIP) is to support scientists and engineers who have received Ph.D. or equivalent degrees in the last five years (on or after 1 May 2005) and who show exceptional ability and promise for conducting basic research. The objective of this program is to foster creative basic research in science and engineering, enhance early career development of outstanding young investigators, and increase opportunities for the young investigators to recognize Air Force mission and the related challenges in science and engineering. Proposals addressing the research areas of interest for the Air Force Research Laboratory will be considered.

Amount: \$360,000

LOI: White papers may be submitted via email directly to a program manager

Deadline: July 28, 2010

To learn more: <http://www.wpafb.af.mil/library/factsheets/factsheet.asp?id=9332>

Key Words: **Collective Behavior and Socio-Cultural Modeling, Mathematical Modeling of Cognition and Decision, Systems and Software**

The William T. Grant Scholars Program

William T. Grant Foundation

The William T. Grant Scholars Program supports promising early-career researchers from diverse disciplines, who have demonstrated success in conducting high-quality research and are seeking to further develop and broaden their expertise.

Candidates are nominated by a supporting institution and must submit five-year research plans that demonstrate creativity, intellectual rigor, and a commitment to continued professional development.

Amount: \$350,000

LOI: N/R

Deadline: July 7, 2010

To learn more: <http://www.wtgrantfoundation.org/File%20Library/Funding%20Opportunities/FAQs%20for%20Scholars.doc>

Key Words: **After School Program Evaluations, Youth Development, Policy and Practice that Affect Youth**

Transformative Science Grants

The U.S. – Israel Binational Science Foundation (BSF)

The U.S. – Israel Binational Science Foundation (BSF) is pleased to announce the opening of the first round of applications in its new program devoted to Transformative Science grants. For complete details of the new program and submission instructions please consult the BSF website (www.bsf.org.il) under 'Guidelines & Forms'. The BSF definition of Transformative Science has been adopted from the NSF and is: "Research driven by ideas that have potential to radically change our understanding of an important scientific concept, or lead to the creation of a new paradigm, or a new field of science. Such research is also characterized by its challenge to current understanding or by its pathways to new frontiers".

Amount: \$300,000

LOI: May 11, 2010; Applications must be submitted jointly by at least one Israeli and one American scientist, as required in all BSF programs.

Deadline: October 12, 2010; by invitation only

To learn more: <http://www.bsf.org.il/BSFPublic/ViewAnnoucement.aspx?msgNum=31>

Key Words: **Transformative Science**

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**

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**

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**

NCI Transition Career Development Award to Promote Diversity (K22)

PAR-08-047

NCI

This Funding Opportunity Announcement (FOA) represents the continuation of an NCI program to make possible the diversification of the cancer research workforce via facilitation of the transition of investigators from minority groups underrepresented in biomedical research, primarily those with clinical doctoral degrees as well as those with doctoral degrees working in the areas of cancer prevention, control, behavioral, or population science research, from the mentored stage of career development in academic cancer research to the independent stage. This goal is achieved by providing protected time through salary and research support for 3 years to: postdoctoral individuals or junior faculty in mentored positions transitioning into their first independent position; and investigators within the first 2 years of their first independent cancer research position, to initiate and develop their independently-supported cancer research programs.

Amount: 3 years of salary (up to \$75,000 per annum plus fringe benefits) and research support up to \$50,000 per annum.

LOI: N/R

Deadline: multiple, see listing

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-047.html>

Key Words:

Research Experiences for Undergraduates (REU)

NSF-09-598

National Science Foundation (NSF)

The Research Experiences for Undergraduates (REU) program supports active research participation by undergraduate students in any of the areas of research funded by the National Science Foundation. REU projects involve students in meaningful ways in ongoing research programs or in research projects specifically designed for the REU program. This solicitation features two mechanisms for support of student research: (1) REU Sites are based on independent proposals to initiate and conduct projects that engage a number of students in research. REU Sites may be based in a single discipline or academic department, or on interdisciplinary or multi-department research opportunities with a coherent intellectual theme. Proposals with an international dimension are welcome. A partnership with the Department of Defense supports REU Sites in DoD-relevant research areas. (2) REU Supplements may be requested for ongoing NSF-funded research projects or may be included as a component of proposals for new or renewal NSF grants or cooperative agreements.

Undergraduate student participants in either Sites or Supplements must be citizens or permanent residents of the United States or its possessions.

Amount: unspecified

LOI: N/R

Deadline: August 25, 2010 and fourth Wednesday in August Annually Thereafter

To learn more: http://www.nsf.gov/pubs/2009/nsf09598/nsf09598.htm?govDel=USNSF_25

Key Words: **Undergraduate Fellowships**

Doctoral Dissertation Improvement Grants in the Directorate for Biological Sciences

NSF 08-564

National Science Foundation

The National Science Foundation awards Doctoral Dissertation Improvement Grants in selected areas of the biological sciences. These grants provide partial support of doctoral dissertation research to improve the overall quality of research. Allowed are costs for doctoral candidates to participate in scientific meetings, to conduct research in specialized facilities or field settings, and to expand an existing body of dissertation research.

Amount: varies

LOI: N/R

Deadline: Third Friday in November, Annually

To learn more: http://www.nsf.gov/pubs/2008/nsf08564/nsf08564.htm?govDel=USNSF_25

Key Words: **Biological Sciences, Biomedical Research Resources, Biomedical Research Training, Health and Medicine**

Academic Career Award (Parent K07)

PA-10-058

National Institutes of Health (NIH)

multiple institutes

The purpose of the NIH Academic Career Award (K07) is to provide support to increase the pool of individuals with academic and research expertise to become academic researchers and to enhance the educational or research capacity at the grantee sponsoring grantee institution. The Academic Career Award supports K07 Development awards for more junior level candidates and K07 Leadership awards for more senior individuals with acknowledged scientific expertise and leadership skills.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-058.html>

Key Words: **K Awards**

Mentored Clinical Scientist Research Career Development Award (Parent K08)

PA-10-059

National Institutes of Health (NIH)

multiple institutes

The primary purpose of the NIH Mentored Clinical Scientist Research Career Development Awards (K08) program is to prepare qualified individuals for careers that have a significant impact on the health-related research needs of the Nation. This program represents the continuation of a long-standing NIH program that provides support and protected time to individuals with a clinical doctoral degree for an intensive, supervised research career development experience in the fields of biomedical and behavioral research, including translational research. Individuals with a clinical doctoral degree interested in pursuing a career in patient-oriented research should refer to the NIH Mentored Patient-Oriented Research Career Development Award (Parent K23).

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-059.html>

Independent Scientist Award (Parent K02)

PA-10-057

National Institutes of Health (NIH)

multiple institutes

The purpose of the NIH Independent Scientist Award (K02) is to foster the development of outstanding scientists and enable them to expand their potential to make significant contributions to their field of research. The K02 award provides three, four, or five years of salary support and protected time for newly independent (see IC provisions) scientists who can demonstrate the need for a period of intensive research focus as a means of enhancing their research careers. Each independent scientist career award program must be tailored to meet the individual needs of the candidate. Prospective candidates are encouraged to contact the relevant Institute or Center (IC) staff for IC-specific programmatic and budgetary information: [Table of Institute and Center Contacts](#).

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-057.html>

Key Words: **K Awards**

Midcareer Investigator Award in Patient-Oriented Research (Parent K24)

PA-10-061

National Institutes of Health (NIH)

multiple institutes

The purpose of the NIH Midcareer Investigator Award in Patient-Oriented Research (K24) is to provide support to mid-career health-professional doctorates or equivalent who are typically at the Associate Professor level or the equivalent (see Section III. Eligible Individuals) for protected time to devote to patient-oriented research (POR) and to act as research mentors primarily for clinical residents, clinical fellows and/or junior clinical faculty.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-061.html>

Key Words: **K Awards**

Jointly Sponsored Ruth L. Kirschstein National Research Service Award Institutional Predoctoral Training Program in the Neurosciences (T32)

PAR-10-116

National Institutes of Health (NIH)

multiple institutes

The Jointly Sponsored NIH Predoctoral Training Program in the Neurosciences supports broad and fundamental, early-stage graduate research training in the neurosciences via institutional NRSA research training grants (T32) at domestic institutions of higher education. Trainees are supported during years 1 and 2 of their graduate research training when they are typically not committed to a dissertation laboratory. The primary objective is to prepare qualified individuals for careers in neuroscience that have a significant impact on the health-related research needs of the Nation.

Amount: varies

LOI: April 25, 2010

Deadline: May 25, 2010

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-116.html>

Key Words: **Graduate Research Training, Neurosciences**

NIH Support for Conferences and Scientific Meetings (Parent R13/U13)

PA-10-071

National Institutes of Health (NIH)

multiple institutes

The purpose of the NIH Research Conference Grant Program (R13 and U13) is to support high quality conferences/scientific meetings that are relevant to the scientific mission of the NIH and to the public health. A conference/scientific meeting is defined as a gathering, symposium, seminar, scientific meeting, workshop or any other organized, formal meeting where persons assemble to coordinate, exchange, and disseminate information or to explore or clarify a defined subject, problem, or area of knowledge. Each NIH Institute and Center (IC) has a scientific purview and different program goals and initiatives that evolve over time.

Amount: varies

LOI: Advance permission to submit an application must be requested early in the process and no later than 6 weeks before the application submission date. The letter from the NIH documenting advance permission must be included in the Cover Letter component of

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-071.html>

Key Words: **Conference, Meeting**

NIH Pathway to Independence Award (Parent K99/R00)

PA-10-063

National Institutes of Health (NIH)

multiple institutes

The primary purpose of the Pathway to Independence Award (K99/R00) program is to increase and maintain a strong cohort of new and talented NIH-supported independent investigators. The program is designed to facilitate a timely transition from a mentored postdoctoral research position to a stable independent research position with independent NIH or other independent research support at an earlier stage than is currently the norm.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-063.html>

Key Words: **K Awards**

Mentored Research Scientist Development Award (Parent K01)

PA-10-056

National Institutes of Health (NIH)

multiple institutes

The purpose of the NIH Mentored Research Scientist Development Award (K01) is to provide support and protected time (three, four, or five years) for an intensive, supervised career development experience in the biomedical, behavioral, or clinical sciences leading to research independence. Although all of the participating NIH Institutes and Centers (ICs) use this support mechanism to support career development experiences that lead to research independence, some ICs use the K01 award for individuals who propose to train in a new field or for individuals who have had a hiatus in their research career because of illness or pressing family circumstances. Other ICs utilize the K01 award to increase research workforce diversity by providing enhanced research career development opportunities. Prospective candidates are encouraged to contact the relevant NIH staff for IC-specific programmatic and budgetary information: Table of Institute and Center Contacts.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-056.html>

Key Words: **K Awards**

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) and (T35)

PA-10-036 and PA-10-037

National Institutes of Health (NIH)

multiple institutes

The National Institutes of Health (NIH) will award Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) to eligible institutions as the primary means of supporting predoctoral and postdoctoral research training to help ensure that a diverse and highly trained workforce is available to assume leadership roles related to the Nation's biomedical, behavioral and clinical research agenda. The primary objective of the T32 program is to prepare qualified individuals for careers that have a significant impact on the health-related research needs of the Nation. This program supports predoctoral and postdoctoral research training programs (including those with short term research training) at domestic institutions of higher education with the T32 funding mechanism. Note that programs solely for short-term research training should not apply to this announcement, but rather the separate (T35) NRSA Short-Term Institutional program exclusively reserved for predoctoral and/or postdoctoral level short-term research training programs

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-036.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-037.html>

Key Words: **Health Related Research, Predoctoral, Postdoctoral**

Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellows (Parent F31)

PA-10-108

National Institutes of Health (NIH)

Multiple Institutes

The purpose of this individual predoctoral research training fellowship is to provide support for promising doctoral candidates who will be performing dissertation research and training in scientific health-related fields relevant to the missions of the participating NIH Institutes and Centers (ICs) during the tenure of the award. Mechanism of Support. This FOA will utilize the NIH Ruth L. Kirschstein Individual Predoctoral National Research Service Award (NRSA) award mechanism (F31).

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-108.html>

Key Words: **Aging, Substance Abuse, Communications Disorders, Dental and Craniofacial Research, Mental Health, Neurological Disorders, Stroke, CAM**

Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellowships to Promote Diversity in Health-Related Research (Parent F31 - Diversity)

PA-10-109

National Institutes of Health (NIH)

Multiple Institutes

The purpose of this individual predoctoral research training fellowship is to improve the diversity of the health-related research workforce by supporting the training of predoctoral students from groups that have been shown to be underrepresented. Such candidates include individuals from underrepresented racial and ethnic groups, individuals with disabilities, and individuals from disadvantaged backgrounds.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-109.html>

Key Words: **Cancer, Eye Diseases, Heart, Lung, Blood, Genome Research, Aging, Substance Abuse, Allergy, Infectious Disease, Arthritis, Musculoskeletal Diseases, Skin Diseases, Bioimaging, Bioengineering, Child Health, Communication Disorders, Dental and Craniofacial Research, Diabetes, Digestive and Kidney Diseases, Environmental Health, General Medicine, Neurological Disorders, Stroke, Nursing, CAM**

Ruth L. Kirschstein National Research Service Awards (NRSA) for Individual Postdoctoral Fellows (Parent F32)

Individual Senior Fellows (Parent F33)

PA-10-110 and PA-10-111

National Institutes of Health (NIH)

Multiple Institutes

The purpose of this individual postdoctoral research training fellowship is to provide support to promising Fellowship Applicants with the potential to become productive, independent investigators in scientific health-related research fields relevant to the missions of participating NIH Institutes and Centers.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-110.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-10-111.html>

Key Words: **Cancer, Eye Diseases, Heart, Lung, Blood, Genome Research, Aging, Substance Abuse, Allergy, Infectious Disease, Arthritis, Musculoskeletal Diseases, Skin Diseases, Bioimaging, Bioengineering, Child Health, Communication Disorders, Dental and Craniofacial Research, Diabetes, Digestive and Kidney Diseases, Environmental Health, General Medicine, Neurological Disorders, Stroke, Nursing, CAM**

Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral MD/PhD and Other Dual Doctoral Degree Fellows (Parent F30)

PA-10-107

National Institutes of Health (NIH)

Multiple Institutes

The purpose of the Ruth L. Kirschstein National Research Service Awards (Kirschstein-NRSA) is to provide support to individuals for combined MD/PhD and other dual doctoral degree training (e.g. DO/PhD, DDS/PhD, AuD/PhD). The participating Institutes award this Kirschstein-NRSA individual fellowship (F30) to qualified applicants with the potential to become productive, independent, highly trained

physician-scientists and other clinician-scientists, including patient-oriented researchers in their scientific mission areas. This funding opportunity supports individual predoctoral F30 fellowships with the expectation that these training opportunities will increase the number of future investigators with both clinical knowledge and skills in basic, translational or clinical research.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-107.html>

Key Words: **Ageing, Substance Abuse, Communications Disorders, Dental and Craniofacial Research, Diabetes, Digestive and Kidney Disease, Environmental Health Sciences, Mental Health**

Independent Scientist in Global Health Award (ISGHA) (K02)

PAR-10-065

National Institutes of Health (NIH)

Fogarty International Center (FIC)

The purpose of the Independent Scientist Award in Global Health (K02) is to foster the development of outstanding scientists and enable them to expand their potential to make significant contributions to their field of research in global health. The K02 award provides three, four, or five years of research and salary support, and “protected time” for newly independent scientists who can demonstrate the need for a period of intensive research focus as a means of enhancing their research careers. Each independent scientist career award program must be tailored to meet the individual needs of the candidate.

Amount: varies

LOI: N/R

Deadline: March 1, 2011; March 1, 2012

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-065.html>

Key Words: **Global Health**

Notice of Termination of Selected Research Training and Research Career Development Award Funding Opportunity Announcements

NOT-OD-10-069

National Institutes of Health (NIH)

This notice terminates the Institutional Research Training and Institutional Research Career Development Programs listed below because they provide application instructions for paper submissions using the PHS 398 forms. (For due dates on or after January 25, 2010, all applications submitted for Institutional Research Training and Career Development Programs must be submitted electronically through Grants.gov using the SF 424 (R&R) forms; NOT-OD-10-008).

The Funding Opportunity Announcements will be reissued with updated application instructions.

PAR-06-449

Paul Calabresi Career Development Award For Clinical Oncology (K12)

PAR-08-197

Neurological Sciences Academic Development Award (NSADA) (K12)

PAR-09-083

The NEI Mentored Clinical Scientist Development Program Award (K12)

PAR-08-054

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Predoctoral Training Program in Systems Biology of Developmental Biology & Birth Defects(T32)

PAR-08-271

NICHDs Institutional Predoctoral and Postdoctoral Training Program in Reproductive, Obstetric, Perinatal and Pediatric Epidemiology and Pharmacoepidemiology (T32)

PAR-09-049

Postdoctoral Research Training for Obstetricians and Gynecologists (T32)

PAR-08-118

Minority Access to Research Careers (MARC) Ancillary Training Activities (T36)

PAR-08-200

Planning Grants for International Malaria Clinical, Operational and Health Services Research Training Programs (D71)

PAR-08-154

Global Infectious Disease Research Training Program Award (D43)

PAR-08-175

Millennium Promise Awards: Non-communicable Chronic Diseases Research Training Program (NCoD) (D43)

Amount:

LOI:

Deadline: Release Date: March 23, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-10-069.html>

Key Words: **Training or Career Grants**

Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellows in PharmD/PhD Programs (F31)

PA-09-029

National Institutes of Health (NIH)

The National Institute of General Medical Sciences (NIGMS) will provide individual predoctoral research training fellowship awards to promising pharmacy students who are enrolled in a PharmD/PhD degree program whose dissertation projects are in areas relevant to the research mission of NIGMS. Applicants must have a baccalaureate degree and must be enrolled in a formally combined PharmD./PhD program in the biomedical, behavioral, or clinical sciences. Applicants must be at the dissertation research stage of their doctoral training. Applicants must also show evidence of both high academic performance in the sciences and substantial interest in areas of high priority to NIGMS.

Amount: annual stipend (\$20,772)

LOI: N/R

Deadline: Standard dates for Individual Kirschstein-NRSA awards apply.

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-029.html>

Key Words: Fellowship, Pre-Doctoral, Thesis, PharmD/PhD

Research Supplements to Promote Re-Entry into Biomedical and Behavioral Research Careers

PA-08-191

National Institutes of Health (NIH)

The Office of Research on Women's Health (ORWH), participating Institutes and Centers (ICs) of the National Institutes of Health (NIH), and the Office of Dietary Supplements (ODS) announce a continuing program for administrative supplements to research grants to support individuals with high potential to re-enter an active research career after a qualifying interruption for family or other responsibilities.

Amount: varies

LOI: N/R

Deadline: Applications can be received at any time

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-191.html>

Key Words: Recruitment Supplements

Research Supplements to Promote Diversity in Health-Related Research

PA-08-190

National Institutes of Health (NIH)

The National Institutes of Health (NIH) and the Centers for Disease Control and Prevention (CDC) hereby notify Principal Investigators holding specific types of NIH research grants, listed in the full Funding Opportunity Announcement (FOA) that funds are available for administrative supplements to improve the diversity of the research workforce by supporting and recruiting students, postdoctorates, and eligible investigators from groups that have been shown to be underrepresented. Although the administrative supplements supported under this program provide funding for less than one percent of all individuals involved in NIH supported research, the NIH has found these awards to be an effective means of encouraging institutions to recruit from currently underrepresented groups. Administrative supplements must support work within the scope of the original project.

Amount: varies

LOI: N/R

Deadline: Applications can be received at any time

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-190.html>

Key Words: Recruitment Supplements

Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) - PA-06-468/PA-08-226

PA-06-468/PA-08-226

National Institutes of Health (NIH)

The objective of the National Research Service Award (NRSA) program is to provide predoctoral and postdoctoral research training opportunities for individuals interested in pursuing research careers in biomedical, behavioral and clinical research. Each NIH Institute and Center has a unique scientific purview and different program goals and initiatives that evolve over time. It is therefore critical that all applicants consult with the scientific/research contact at the relevant NIH Institute or Center for current information about program priorities and policies before preparing an application. This action is of utmost importance because applications with marginal or no relevance to the NIH awarding components participating in this funding opportunity announcement will not be accepted for review or considered for funding.

Amount: varies

LOI: N/R

Deadline: Jan 25 annually; May 25 annually

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-08-226.html>

Key Words: **Alcohol or Alcoholism, Allergy, Alternative Medicine, Arthritis, Biomedical Research (Multidisciplinary), Blood Diseases, Cancer or Carcinogenesis, Cardiovascular Diseases, Deafness, Diabetes, Digestive Diseases and Disorders, Drug Abuse Prevention, Environmental Health, Eye Diseases, Genomics, Geriatrics, Infectious Diseases or Agents, Internal Medicine, Mental Health, Musculoskeletal Diseases, Neurological Disorders, Nursing Education, Nutrition or Dietetics, Pediatrics, Pulmonary Diseases, Respiratory Diseases, Substance Abuse**

Ruth L. Kirschstein National Research Service Awards for Individual, Minority, and MD/PhD Predoctoral Fellows (F31) and (F30)

PA-09-208 and PA-09-209 and PA-05-151

National Institute on Aging (NIA)

National Institute on Alcohol Abuse and Alcoholism (NIAAA)

National Institute on Deafness and Other Communication Disorders (NIDCD)

National Institute of Dental and Craniofacial Research (NIDCR)

National Institute on Drug

The purpose of this individual predoctoral research training fellowship is to provide support for promising doctoral candidates who will be performing dissertation research and training in scientific health-related fields relevant to the missions of the participating NIH Institutes and Centers (ICs) during the tenure of the award.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-208.html> and <http://grants.nih.gov/grants/guide/pa-files/PA-09-209.html>

and <http://grants.nih.gov/grants/guide/pa-files/PA-05-151.html>

Key Words: **Health Science Fellowships, Diversity and Minority Fellowships**

Paul B. Beeson Patient-Oriented Research Career Development Award in Aging (K23)

RFA-AG-10-011

National Institute on Aging (NIA)

National Institute of Mental Health (NIMH)

National Institute of Neurological Disorders and Stroke (NINDS)

Office of Dietary Supplements (ODS)

This program provides three to five years of mentored career development support to clinically trained faculty members in strong research environments who have made a commitment to focus their research endeavors on patient-oriented research. The award will enable them to gain skills and experience in aging research under the guidance of a mentor or mentors, and to establish an independent program of research in this field. Clinically trained professionals or individuals with a clinical degree who are interested in further career development in biomedical research that is not patient-oriented should refer to the Paul B. Beeson Clinical Scientist Career Development Award in Aging (K08) [AG-10-010]. The program also includes an annual meeting that allows opportunities to partner with national mentors and fellow awardees.

Amount: \$800,001

LOI: December 14, 2010

Deadline: January 14, 2011

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-10-011.html>

Key Words: **Clinical, Aging**

Aging Research Dissertation Awards to Increase Diversity (R36)

PAR-08-250

National Institute on Aging (NIA)

The National Institute on Aging (NIA) announces the reissuance of a Funding Opportunity Announcement (FOA) that provides dissertation awards (R36) in all areas of research within NIA's mandate to increase diversity of the research workforce on research on aging and aging-related health conditions. These awards are available to qualified Predoctoral students in accredited research doctoral programs in the United States (including Puerto Rico and other U.S. territories or possessions).

Amount: \$250,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-250.html>

Key Words: **Geriatrics, Gerontology**

NINR Mentored Research Scientist Development Award for Underrepresented or Disadvantaged Investigators (K01)

PAR-09-074

National Institute of Nursing Research (NINR)

The purpose of the NINR Mentored Research Scientist Development Award for Underrepresented or Disadvantaged Investigators (K01) is to provide support and "protected time" (three, four, or five years) for an intensive, supervised career development experience in the biomedical, behavioral, or clinical sciences leading to research independence.

Mechanism of Support: This Funding Opportunity Announcement (FOA) will utilize the NIH Mentored Research Scientist Development Award (K01) mechanism.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-074.html>

Key Words: **Nursing Research**

NINR Career Transition Award (K22)

PAR-09-067

National Institute of Nursing Research (NINR)

The purpose of the NINR Career Transition Award (K22) program is to provide up to 5 years of support consisting of two phases. The initial phase will provide up to 2 years of mentored intramural experience for highly promising, postdoctoral research scientists in an NIH intramural program. This phase will be followed by up to 3 years of extramural support contingent on securing an independent tenure-track or equivalent research position. The NINR Career Transition award is limited to postdoctoral trainees who propose research relevant to the mission of the National Institute of Nursing Research (NINR)

Amount: \$100,000

LOI: 30 days before due date

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-067.html>

Key Words: **Nursing Research**

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:

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**

Career Development Award to Promote Diversity in Neuroscience Research (K01)

PAR-09-065

National Institute of Neurological Disorders and Stroke (NINDS)

The purpose of the NIH Mentored Research Scientist Development Award (K01) is to provide support and “protected time” (three, four, or five years) for an intensive, supervised career development experience in the biomedical, behavioral, or clinical sciences leading to research independence. The goal of the NINDS K01 is to diversify the pool of independent neuroscience research investigators. The NINDS recognizes the unique and compelling need to promote diversity in participation in neuroscience research and expects these efforts to diversify the neuroscience research workforce to lead to the recruitment of the most talented researchers from all groups.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-065.html>

Key Words: **Neurology, Neurological Research**

NINDS Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral Fellows in MD-PhD programs (F31)

PAR-10-091

National Institute of Neurological Disorders and Stroke (NINDS)

The purpose of this individual predoctoral research training fellowship is to provide support for promising doctoral candidates who are enrolled in combined MD-PhD programs, who will be performing dissertation research and training in scientific health-related fields relevant to the mission of the National Institute of Neurological Disorders and Stroke.

Amount: limited to 5 years support

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-091.html>

Key Words: **MD/PhD Programs**

Mental Health Dissertation Research Grant to Increase Diversity (R36)

PAR-09-132

National Institute of Mental Health (NIMH)

The purpose of this funding opportunity is to increase the diversity of the mental health research workforce. It will enable qualified doctoral candidates to pursue research careers in any area relevant to the research mission of the National Institute of Mental Health (NIMH). These awards are available to US citizens or permanent residents who are predoctoral students advanced to candidacy in accredited research doctoral programs in the United States (including Puerto Rico and other U.S. territories or possessions).

Amount: see program announcement

LOI: 30 days prior to Application Due Date

Deadline: August 24, 2010; December 22, 2010; April 22, 2011; August 24, 2011; December 22, 2011 (including resubmissions)

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-132.html>

Key Words: **Doctoral Training Support, Mental Health Professions**

Short Term Career Development Award in the Environmental Health Sciences for Established Investigators (K18)

PAR-09-090

National Institute of Environmental Health Sciences (NIEHS)

The purpose of these short term career development awards is to allow established, well funded clinician investigators to expand research programs to answer questions relevant to the environmental health sciences, and to provide established environmental health sciences research investigators the tools to expand their efforts to translational research.

Amount: varies

LOI: N/A

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-090.html>

Key Words: **Environmental Health Sciences**

NIDDK Education Program Grants (R25)

PAR-10-092

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
Office of Dietary Supplements (ODS/NIH)

This funding opportunity announcement (FOA) encourages Research Education (R25) grant applications from applicant organizations that propose to create educational opportunities to attract undergraduate students, graduate students, and postdoctoral fellows to careers in areas of biomedical or behavioral research of particular interest to the NIDDK, while fostering the career development of these students and fellows. The NIDDK is especially interested in attracting students and postdoctoral fellows from scientific disciplines underrepresented in disease-oriented biomedical research, such as engineering, informatics, computer science, and computational sciences, to encourage them to apply their expertise to research relevant to diabetes and other endocrine and metabolic diseases; digestive and liver diseases; nutrition; obesity research and prevention; and kidney, urologic and hematologic diseases.

Amount: \$500,000

LOI: N/R

Deadline: March 26, 2010. Standard dates apply for the remaining cycles

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-10-092.html>

Key Words: **Diabetes, Obesity, Nutrition, Informatics, Hematologic Diseases**

NIDDK Small Grants for Clinical Scientists to Promote Diversity in Health-Related Research (R03)

PAR-09-223

National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
Office of Dietary Supplements (ODS)

The purpose of this funding opportunity announcement (FOA) is to provide support for clinical scientists from underrepresented racial/ethnic backgrounds, disadvantaged backgrounds or clinical scientists with disabilities to conduct small research projects in the area of diabetes, endocrinology, metabolism, digestive diseases, hepatology, obesity, nutrition, kidney, urology, or hematology. The NIDDK and the ODS recognize the need to promote diversity in the health-related workforce by increasing the number of highly trained clinical researchers from diverse backgrounds conducting research in areas of importance to the NIDDK. This FOA is aimed at New Investigators (see Section III.1.B. for definition) who hold a health professional doctoral degree or other clinical doctoral degree AND who are from a group that have been shown to be underrepresented in biomedical research (see eligible PD/PI for full definition). The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources.

Amount: \$375,000

LOI: 30 days prior to application date

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-09-223.html>

Key Words: **Diabetes, Endocrinology, Digestive Diseases, Training Grants**

NIDCR Individual NRSA Predoctoral Dental Scientist Fellowship (F30)

PAR-08-119

National Institute of Dental and Craniofacial Research (NIDCR)

The National Institute of Dental and Craniofacial Research (NIDCR) seeks new Ruth L. Kirschstein National Research Service Award (NRSA) applications for an Individual Predoctoral Dental Scientist Fellowship (PDSF). The purpose of the PDSF is to offer an integrated dental and graduate research training program that leads to attainment of both the DDS/DMD and PhD (or equivalent) degrees.

Amount: \$50,000/year

LOI: N/R

Deadline: Standard NRSA receipt dates of April 8, August 8 and December 8

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PAR-08-119.html>

Key Words: **Dentistry, Dental Training, Dental Fellowships**

NIDCR Dentist Scientist Pathway to Independence Award (K99/R00)

PAR-09-256

National Institute of Dental and Craniofacial Research (NIDCR)

The primary purpose of the Pathway to Independence Award (K99/R00) program is to increase and maintain a strong cohort of new and talented NIH-supported independent investigators. The program is designed to facilitate a timely transition from a mentored postdoctoral research position to a stable independent research position with independent NIH or other independent research support at an earlier stage than is currently the norm.

Amount: \$1,445,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-256.html>

Key Words: **Training Grants**

Mentored Research Scientist Development Award (K01)

PAR-10-132

National Institute for Occupational Safety and Health (NIOSH)

The goal of the NIOSH Mentored Research Scientist Development Award (K01) is to help ensure the availability of adequate numbers of highly trained scientists to address occupational health and safety and to provide new occupational health and safety scientists and educators with appropriate mentoring. The purpose of the K01 is to provide support and 75% "protected time" for an intensive, supervised career development experience in occupational health and safety research leading to research independence.

Amount: \$300,000

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-10-132.html>

Key Words: **Occupational Health and Safety**

NHLBI Career Transition Award (K22)

PAR-09-102

National Heart, Lung, and Blood Institute (NHLBI)

The purpose of the NHLBI Career Transition Award (K22) program is to provide highly qualified postdoctoral fellows with an opportunity to receive mentored research experience in the NHLBI Division of Intramural Research and then to provide them with bridge funding to facilitate the transition of their research programs as new investigators at extramural institutions. To achieve these objectives, the NHLBI Career Transition Award will support two phases of research: an intramural phase (two years) and an extramural phase (three years), for a total of five years of combined support. Transition from the intramural phase of support to the extramural phase is not automatic. Approval of the transition will be based on the success of the awardees research program as determined by an NHLBI progress review, which will include an evaluation of a research plan to be carried out at the extramural institution.

Amount: \$747,000 extramural

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-102.html>

Key Words: **Cardiovascular Fellowships, Post-Doctoral Training**

NHLBI Ruth L. Kirschstein National Research Service Awards for Individual Predoctoral MD/PhD Fellows (F30)

PA-09-232

National Heart, Lung and Blood Institute (NHLBI)

The National Heart, Lung, and Blood Institute (NHLBI) is interested in supporting individual predoctoral fellowships for combined MD/PhD training in research areas relevant to the mission of the NHLBI. The NHLBI mission is to provide leadership for national programs in diseases of the heart, blood vessels, lung, and blood; blood resources; and sleep disorders.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-232.html>

Key Words: **MD/PhD Fellowships**

NEI Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) for Statistical Genetics and Genome Informatics

RFA-EY-10-001

National Eye Institute (NEI)

The NEI Institutional Research Training Grants (T32) for Statistical Genetics and Genome Informatics is a Ruth L. Kirschstein National Research Service Award program that is intended to support predoctoral and postdoctoral training at institutions having the potential to develop meritorious training programs in genomic medicine, computational genomics, and statistical genetics. The goal of this program is to initiate a training program to develop ophthalmic statistical genetics and bioinformatics research skills critical for investigators seeking to identify genes and genetic variations underlying ocular diseases. This training program is designed to attract individuals in early career stages, in order to increase their knowledge and awareness of research in the genetics of ophthalmic disorders, and to encourage them to pursue research career opportunities in these scientific fields. Such training will help meet a growing need for investigators trained in computational genomics related to basic biomedical, clinical, and translational ophthalmic research.

Amount: \$1,500,000

LOI: N/R

Deadline: May 18, 2010, 2011, and 2012

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-EY-10-001.html>

Key Words: **Genomic Medicine, Ocular Diseases**

NCMHD Disparities Research and Education Advancing Mission (DREAM) Career Transition Award (K22)

RFA-MD-10-001

National Center on Minority Health and Health Disparities (NCMHD)

This purpose of the NCMHD DREAM Career Transition Award (K22) is to facilitate the transition of early stage investigators working in health disparities or areas that address health disparity conditions and populations from the mentored stage of career development to the independent stage of investigator-initiated health disparities research. The program will provide an opportunity for investigators to develop solid research skills during the initial period of up to two years of study and research within the environment of the NIH Intramural Research Programs located at the NIH. The award may also include a follow-on period of up to three years of salary and mentored research support at the candidate's current institution or organization or an academic or research grantee institution of the candidate's choice. This period of extramural support will facilitate the transition to independence as a researcher in health disparities research.

Amount: \$200,000

LOI: April 24, 2010

Deadline: May 24, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-MD-10-001.html>

Key Words: **Health Disparities**

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**

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**

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:

FY10 Prostate Cancer Research Program (PCRP)

W81XWH-10-PCRP-HDRA

W81XWH-10-PCRP-HDTA

W81XWH-10-PCRP-LCTA

W81XWH-10-PCRP-PRTA

W81XWH-10-PCRP-PBRA

W81XWH-10-PCRP-PCTA

DOD

Congressionally Directed Medical Research Programs (CDMRP)

The mission of the Prostate Cancer Research Program is to fund research that will eliminate death and suffering from prostate cancer.

Multiple awards are available please see website for details.

Health Disparity Research Award

Health Disparity Training Award

Laboratory - Clinical Transition Award

Physician Research Training Award

Population-Based Research Award

Prostate Cancer Training Award

Amount: maximum \$750,000

LOI: May 5, 2010

Deadline: May 26, 2010

To learn more: <http://cdmrp.army.mil/funding/pcrp.htm>

Key Words: **Prostate Cancer, Health Disparity, Epidemiology, Treatment and Prevention of, Overtreatment of, Biomarkers, Staging and Grading, Progression of Disease**

DoD Tuberos Sclerosis Complex Career Transition Award

W81XWH-10-TSCRCP-CARTA

DOD

Congressionally Directed Medical Research Programs (CDMRP)

The CARTA supports TSC researchers during the transition from postdoctoral training to an independent position. This award will cover up to two years of postdoctoral training followed by up to two years of a faculty-level position. Under this award mechanism, the postdoctoral candidate is considered the Principal Investigator (PI). DOD FY10 Tuberos Sclerosis Complex Career Transition Award 3

Important aspects of this award are as follows: • The award covers the last two years of a postdoctoral fellowship and the first two years of an independent faculty position. • Career transition and development plans must be clearly articulated. • A mentor must be named

who will support and guide the PI during the postdoctoral period of the award. • All applications must include preliminary data relevant to TSC research and the proposed project. Clinical trials are not allowed under this award mechanism. PIs wishing to apply for funding

for a clinical trial should utilize the Clinical Research Award mechanism.

Amount: \$338,000

LOI: April 29, 2010

Deadline: May 20, 2010

To learn more:

<http://www.grants.gov/search/announce.do?sessionId=ypQ1LX9VH6zyqVLFgTKd4CB6lzLJdQlxwNZJG6d3IDmjlw5RLy9v4!1585175360>

Key Words: **TSC Management, Skin, Epigenetic Factors, Cardiac Involvement, Metabolic and Nutritional Effects, Tuberos Sclerosis**

Pilot and Feasibility Awards

Research Grants

LeRoy Matthews Physician/Scientist Award and the Harry Shwachman Clinical Investigator Award

Cystic Fibrosis Foundation Therapeutics, Inc. (CFFT)

The CF Foundation (CFF) offers competitive awards for research related to cystic fibrosis. Studies may be carried out at the subcellular, cellular, animal, or patient levels. Two of these funding mechanisms include Pilot and Feasibility Awards and Research Grants. Since these applications are reviewed by the CFF's Research and Research Training Committee, those proposals that include methodologies

requiring sampling of materials from human subjects will only be considered under this mechanism if the sampling method constitutes minimal patient risk (e.g., venipuncture) and patient samples or data are anonymous. For applications where more invasive procedures are proposed or where patient samples or data will not be anonymous, please submit a Letter of Intent for a Clinical Research Award.

Also, the CF Foundation offers physician-scientist training awards, including the LeRoy Matthews Physician/Scientist Award and the Harry Shwachman Clinical Investigator Award.

Amount: varies

LOI: the CF Foundation will consider NIH applications that have received a competitive score but missed the payline under the CFF/NIH-unfunded award mechanism. These applications are accepted on an on-going basis.

Deadline: first Wednesday in September

To learn more: <http://www.cff.org/research/ForResearchers/FundingOpportunities/ResearchGrants/>

Key Words: **Cystic Fibrosis**

Cystic Fibrosis Foundation (CFF) Student Traineeships

Cystic Fibrosis Foundation (CFF)

These awards are offered to bona fide students in or about to enter a doctoral program (i.e., Ph.D., M.D., M.D./Ph.D.) Senior-level undergraduate students planning on pursuing graduate training also may apply. Applicants must work with a faculty sponsor on a research project related to CF, the duration of which should be 10 weeks or more.

Amount: \$1,500

LOI: N/R

Deadline: continuous

To learn more: <http://www.cff.org/research/ForResearchers/FundingOpportunities/TrainingGrants/>

Key Words: **Cystic Fibrosis**

Health Policy Internships

Center on Budget and Policy Priorities

The Health Policy division is actively involved in policy debates over Medicaid, child health insurance, and other health care issues that affect low- and moderate-income families. The health policy intern assists in researching, preparing, and distributing analyses on how various legislative proposals would affect families, the federal budget, and states

Amount: varies

LOI: N/R

Deadline: Continuous. For summer internships, March 1; For fall internships, rolling deadline; review of applications begins July 15; For spring internships, rolling deadline; review of applications begins November 15.

To learn more: <http://www.cbpp.org/internshipdes.htm>

Key Words: **Health Policy**

Travel Grants

Boehringer Ingelheim Fonds (BIF) - Foundation for Basic Research in Biomedicine

Travel Grants are available to junior researchers pursuing experimental projects in basic biomedical research. to learn clearly-defined methods useful for your ongoing research and the work of your research group at home by visiting another laboratory, or by attending research-orientated courses which include practical training.

Amount: 3 months support

LOI: N/R

Deadline: Continuous

To learn more: http://www.bifonds.de/cgi-bin/show.pl/travel_grants/travel_grants.html?sid=iw5d2ei4y1oz8takvjsb4dr4i0a3hoe4

Key Words: **Biological Sciences, Biomedical Research Resources, Biomedical Research Training, Health and Medicine**

Predoctoral and Postdoctoral Fellowships

American Heart Association

Midwest Affiliate

Predoctoral Fellowship

Helps students initiate careers in cardiovascular or stroke research by providing research assistance and training.

Postdoctoral Fellowship

Helps a trainee initiate a career in cardiovascular research while obtaining significant research results.

Amount: unspecified

LOI: N/R

Deadline: July 27, 2010

To learn more: <http://www.americanheart.org/presenter.jhtml?identifier=9713>

Key Words: **Cardiovascular, Stroke, Fellowships**

Improving Patient Safety through Simulation Research (R18)

RFA-HS-10-018

Agency for Healthcare Research and Quality (AHRQ)

Center for Outcomes and Evidence (COE)

The Agency for Healthcare Research and Quality (AHRQ) is interested in funding a diverse set of projects that develop, test and evaluate various simulation approaches for the purpose of improving the safe delivery of health care. Simulation in health care predominately is a training technique that exposes individuals and teams to realistic clinical challenges through the use of mannequins, task trainers, virtual reality, or standardized patients, and allows participants to experience in real-time the consequences of their decisions and actions. The principal advantage of simulation is that it provides a safe environment for health care practitioners to acquire valuable experience without putting patients at risk. Simulation also can be used as a test-bed to improve clinical processes and to identify failure modes or other areas of concern in new procedures and technologies that might otherwise be unanticipated and serve as threats to patient safety. Applications that address a variety of clinical settings are sought.

Amount: \$1,050,000

LOI: N/R

Deadline: June 21, 2010

To learn more: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HS-10-018.html>

Key Words: **Health Care Training, Simulators**

Change in Application Receipt Date for AHRQ Funding Opportunity Announcement (FOA) RFA-HS-10-018

NOT-HS-10-015

Agency for Healthcare Research and Quality (AHRQ)

This Notice is to inform the scientific community that AHRQ is extending the application due date for AHRQ Funding Opportunity Announcements (FOA), RFA-HS-10-018, Improving Patient Safety through Simulation Research (R18), (see <http://grants.nih.gov/grants/guide/rfa-files/RFA-HS-10-018.html>). The NEW application due date for this FOA is June 21, 2010 and expiration of the FOA will be on June 22, 2010. Thus, NEW Key and Submission, Review, and Anticipated Start Dates are:

Key Dates and Submission, Review, and Anticipated Start Dates

Release/Posted Date: January 21, 2010

NOTE: On-time submission requires that applications be successfully submitted to Grants.gov no later than 5:00 p.m. local time (of the applicant institution/organization).

Application Due Date(s): June 21, 2010

Peer Review Date(s): Generally four months after receipt date

Earliest Anticipated Start Date(s): Generally four months after peer review date

Expiration Date: June 22, 2010

Amount:

LOI:

Deadline: Release Date: March 16, 2010

To learn more: <http://grants.nih.gov/grants/guide/notice-files/NOT-HS-10-015.html>

Key Words: **Simulation Research, Education**

AHRQ Individual Awards for Postdoctoral Fellows (F32) Ruth L. Kirschstein National Research Service Awards (NRSA)

PA-09-229

Agency for Healthcare Research and Quality

The purpose of this individual postdoctoral research training fellowship is to provide support to promising Fellowship Applicants with the potential to become productive, independent investigators in health services research in research areas and priorities relevant to the mission of AHRQ.

Amount: varies

LOI: N/R

Deadline: Standard dates apply

To learn more: <http://grants.nih.gov/grants/guide/pa-files/PA-09-229.html>

Key Words: **Health Services Research**

Postdoctoral Fellowship

ACS

This award is to support the training of researchers who have just received their doctorate to enable them to qualify for an independent career in cancer research (including basic, preclinical, clinical, psychosocial, behavioral, and epidemiologic research).

Amount: one to three years with progressive stipends of \$40,000, \$42,000, and \$44,000 per year, plus a \$4,000 per year institutional allowance

LOI: N/R

Deadline: April 1 and October 15; annually

To learn more: http://www.cancer.org/docroot/RES/content/RES_5_2x_Postdoctoral_Fellowships.asp?sitearea=RES

Key Words:

Mentored Research Scholar Grant in Applied and Clinical Research

ACS

Support mentored research by full-time faculty, typically within the first four years of their appointment, with the goal of becoming independent investigators in clinical, cancer control and prevention, epidemiologic, psychosocial, behavioral, health services and health policy research.

Amount: up to five years and for up to \$135,000 per year

LOI: N/R

Deadline: April 1 and October 15; annually

To learn more:

http://www.cancer.org/docroot/RES/content/RES_5_2x_Mentored_Research_Scholar_Grant_in_Applied_and_Clinical_Research.asp?sitearea=RES

Key Words:

Physician Training Awards in Preventive Medicine

ACS

This award is made to support primary care physicians with a rank of instructor to assistant professor who are pursuing an academic career with an emphasis on cancer control.

Amount: \$300,000

LOI: N/R

Deadline: April 1, annually

To learn more:

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