The Research Development unit of the Office of Research at the University of California, Santa Barbara publishes Funding Resources. Funding Resources is also available online: http://www.research.ucsb.edu/research-development/find-funding

RESEARCH DEVELOPMENT CONTACT INFORMATION
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Campus and Agency News

CONTRACT AND GRANT LIAISON MEETING

Please be sure to mark your calendar for the next Contract and Grant Liaison meeting to be held on Thursday, May 23th, 2013.

Date: Thursday, May 23th, 2013
Time: 9:00 a.m. - 12:00 p.m.
Location: MSI Auditorium

NATIONAL SCIENCE FOUNDATION CAREER WORKSHOP

The Office of Research invites tenure-track assistant professors considering a Faculty Early Career Development (CAREER) submission to join UCSB CAREER awardees, former review panelists, and OR staff for an informal discussion of this NSF program, Wednesday, May 22, 2-3:30pm, in 3250 Elings Hall.

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. Applicants must be employed in a tenure-track position as an assistant professor as of October 1, 2013. Current program guidelines are available at: http://www.nsf.gov/pubs/2011/nsf11690/nsf11690.htm

This year’s deadlines are July 22, 23, and 24, depending on NSF Directorate.
Full Proposal Deadline Date: July 22, 2013 - BIO, CISE, EHR, OCI
Full Proposal Deadline Date: July 23, 2013 - ENG
Full Proposal Deadline Date: July 24, 2013 - GEO, MPS, SBE, OPP

RESPONSIBLE CONDUCT OF RESEARCH

This is a reminder that all undergraduates, graduate students, and postdoctoral researchers supported by the National Science Foundation must complete mandatory RCR training.

An online course is available through CITI, with a link and login instructions available at the Office of Research website: http://www.research.ucsb.edu/compliance/responsible-conduct-of-research/

ATTRACTING RESEARCH FUNDING FROM INDUSTRY – HOW TO GET STARTED

Please mark your calendars for this workshop sponsored by the Office of Corporate Programs in the College of Engineering and the Research Development Team in the Office of Research. RSVP link: http://www.research.ucsb.edu/research-development/event-rsvps/industry-workshop
Date: Wednesday, May 29th
Time: 12 PM – 1:30 PM (lunch will be provided)
Location: 1605 Elings Hall

Moderator:
Leslie Edwards, Director of Corporate Marketing & Business Development,
College of Engineering

Panelists:
Rod Alferness, Dean of Engineering
Tim Cheng, Associate Vice Chancellor for Research, Professor of Electrical and
Computer Engineering
Glenn Fredrickson, Professor of Chemical Engineering and Materials, Director of
MC-CAM
Mark Rodwell, Professor of Electrical and Computer Engineering
David Gay, Director of Technology, Institute of Collaborative Biotechnologies

Research funding through gifts and contracts from industry plays a major role at
UCSB. This workshop will present an overview of the different ways that UCSB faculty
interact with industry - from research sponsored by the industrial partner, to gifts
from industry for research, to research collaborations with the federal government.
The panel will discuss their personal experiences with industry collaboration, with an
emphasis on how the collaborations began and tips for how to identify and reach
out to potential industry contacts. Please RSVP using the link above if you will at-
tend.

**ISBER SEED GRANT**

This is a reminder that the 2013 Call for Proposals for the Social Science Research
Grants Program (SSRGP) is due May 20th, 2013. The purpose of this program is to
enrich the quality of research in the social sciences at UCSB by means of a competi-
tive program of awards to faculty, aimed at fostering the development of innovative
research in the social sciences. Research using any of the methodological or theoreti-
cal paradigms within the social and humanistic social sciences is welcome. All eligible
faculty members are encouraged to apply. Ladder faculty members of all ranks are
eligible to submit proposals. Project teams may include faculty outside the Division
of Social Sciences, professional researchers, or researchers from other campuses, as
long as the lead investigator has ladder rank in the UCSB Division of Social Sciences.
The maximum allowable request under this program is $8,000.

**Deadline:** Proposals must be submitted electronically by 5 p.m. on Monday,
May 20, 2013 at: [http://www.isber.ucsb.edu/webforms/ssrgp-online-submission](http://www.isber.ucsb.edu/webforms/ssrgp-online-submission)

**NSF DEAR COLLEAGUE LETTERS**

The National Science Foundation often releases Dear Colleague letters to solicit pro-
posals related to particular areas of high funding priority for the agency. Below are
some recently released announcements relevant to UCSB researchers.

Dear Colleague Letter - Division of Polar Programs Post-Doctoral Program
Solicitation - Suspension of the Postdoctoral Fellowships in Polar Regions Re-
The Division of Polar Programs announces that a solicitation will not be re-issued at this time for the Postdoctoral Fellowships in Polar Regions Research Program. The Division would like to encourage persons who may have been interested in proposing to this program to contact prospective mentors to discuss possibilities of becoming involved in polar regions research as a postdoctoral researcher through regular research proposals. Involving postdoctoral researchers in new proposals is common practice. Opportunities for involvement in existing projects are more restricted but might be possible in certain circumstances. The principal investigator for the existing project should contact their program officer to determine whether or not this avenue is feasible.

**CAMPUS HONORS AND AWARDS**

- **Russell Rumberger**, professor of education, has been named Fellow of the American Educational Research Association (AERA), and is also receiving the Elizabeth G. Cohen Distinguished Career in Applied Sociology or Education Award.
- **Gary Horowitz**, professor of physics, has been elected Fellow of the prestigious American Academy of Arts and Sciences.
- **Ken C. Macdonald**, professor emeritus of marine geophysics and earth science, has been elected Fellow of the prestigious American Academy of Arts and Sciences.
- **Ann Taves**, professor of religious studies, has received a prestigious Guggenheim Fellowship for 2013. Guggenheim Fellows are selected on the basis of distinguished achievement in the past and exceptional promise for future accomplishments.
- **Baron Peters**, assistant professor of chemical engineering, has received the Camille Dreyfus Teacher-Scholar Award, for his leadership in research and education in the chemical sciences.
- **Todd Squires**, associate professor of chemical engineering, received the American Electrophoresis Society Mid-Career Award, in recognition for exceptional contributions to the field of electrophoresis, microfluidics, and related areas by an individual who is currently in the middle of their career.
- **Galen Stucky**, professor of chemistry and materials, has been elected to the National Academy of Sciences for his excellence in original scientific research. Membership in the NAS is one of the highest honors given to a scientist or engineer in the United States.
- **Chris Van de Walle**, professor of materials, received the AVS Medard Welch Award, for seminal contributions to the theory of heterojunctions and its applications to semiconductor technology, and for elucidating the role of hydrogen in electronic materials.
- **Javier Read de Alaniz**, assistant professor of chemistry, has received the Amgen Young Investigator Award, in recognition of significant contributions to the field of organic chemistry and pharmaceutical research.
- **Javier Read de Alaniz**, assistant professor of chemistry, has received the Amgen Young Investigator Award, in recognition of significant contributions to the field of organic chemistry and pharmaceutical research.
- **David Low**, professor in MCDB, has been elected to Fellowship in the American Academy of Microbiology, based on scientific achievement and original contributions that have advanced microbiology.
- **Neil Narang**, assistant professor of political science, has been awarded a Junior Faculty Fellowship from the Center for International Security and Cooperation (CISAC) at Stanford University.
SPONSORED PROJECTS TRAINING FOR ADMINISTRATORS IN RESEARCH (STAR)

The Sponsored Projects Training for Administrators in Research (STAR) program is a comprehensive certificate training program developed by the UCSB Office of Research to meet UCSB’s research administration needs. This program is designed for employees with responsibilities related to contract and grant administration and to improve campus understanding of regulations, policies, and procedures; strengthen internal controls; and provide staff members with access to key resources and contacts. Participants are welcome to take one or several courses of the 11-course series that are of particular interest to them, or they may chose to earn the STAR program certificate. For more information, a complete list of courses and to enroll, visit our Web site at http://www.research.ucsb.edu/spo/contracts-and-grants-liaison-resources/star-class-schedule/. Seating is limited so register now. Should you have any further questions, please send an e-mail to training@research.ucsb.edu

Working with Industry and Intellectual Property (2 hours)

This course focuses on the unique challenges of working with the industrial sector and the tools available at the University to facilitate that work. Topics covered are research agreements, gifts, material transfer agreements, confidentiality agreements, consulting, basic intellectual property, and related UC policies. This course will also provide an opportunity to take a more in-depth look at intellectual property. The course will cover the basic principles of intellectual property as well as the characteristics of patents, copyrights, trademarks, and trade secrets. The course will also provide an overview of the technology transfer process at UCSB.
Offered: Wednesday, May 15, 2013; 9:00-11:00am
Instructors: Sherylle Mills Englander, Kevin Stewart & Carol Wyzinski
Location: Marine Science Building Auditorium (MSB 1302)

Research Compliance II (2 hours)

This course provides a brief overview of research misconduct, export control, human subjects, animal subjects and stem cell use issues that often arise in research.
Offered: Wednesday, May 29, 2013; 9:00am-11:00am
Instructors: Karen Hanson, Melissa Warren & Bruce Hanley
Location: Marine Science Building Auditorium (MSB 1302)

LIMITED SUBMISSION DEADLINES

The Office of Research administers the campus selection process for most limited submission competitions. These programs restrict the number of applications, nominations, or proposals that an institution can submit to an agency and require that the campus screen pre-proposals or nominations to determine which will go forward to the sponsor. They are typically due to the Office of Research two months prior to the agency deadline. If fewer submissions than the eligible number are received for the campus deadline, approval to apply may be granted on a first come first served basis. More information about the programs and campus procedures can be found at http://www.research.ucsb.edu/funding/LimitedSubmission.aspx.

Programs with upcoming campus deadlines include:
• NIH MARC Undergraduate Student Training in Academic Research (U-STAR) National Research Service Award (NRSA) Institutional Research Training Grant (T34)—Campus Deadline 5/9/2013; Full Application 6/24/2013
• NSF Collections in Support of Biological Research (CSBR) 2013—Campus Deadline 5/23/2013; Application 7/16/2013
• NSF Online Resource Center for Ethics Education in Science and Engineering (OR-CEESE)—Campus Deadline 6/6/2013; Application 8/7/2013
• NIH Academic-Community Partnership Conference Series—Campus Deadline 6/12/2013; Application 10/17/2013

Programs with open campus spots (please contact funding@research.ucsb.edu if you are interested in submitting to one of these programs):
• NIH Planning Grants for the NIH National Research Mentoring Network (NRMN) (P20)—Agency deadline 5/10/2013
• NIH Biomedical Research Workforce Innovation Award: Broadening Experiences in Scientific Training (BEST) (DP7)—Agency deadline 5/10/2013
• NIH NEI Mentored Clinical Scientist Development Program Award (K12)—Agency deadline 5/14/2013
• NSF Nanotechnology Undergraduate Education (NUE) in Engineering 2013—Agency deadline 5/22/2013
• NIH Predoctoral Training Program in the Neurosciences (T32)—Agency deadline 5/25/2013
• NSF 2013 Scalable Nanomanufacturing (SNM)—Agency deadline 6/3/2013
• NIH Core Centers for Musculoskeletal Biology and Medicine (P30)—Agency deadline 7/1/2013
• NIH Silvio O. Conte Digestive Diseases Research Core Centers (P30)—Agency deadline 7/15/2013
• NIH Skin Diseases Research Core Centers (P30)—Agency deadline 9/20/2013
Data provided by Office of Research. “()” represent investigators’ home departments when those are different from the administering unit.

Awsschalom, D.D. (Physics), California Nanosystems Institute, $286,281, Universität Ulm, “Diamond Based Atomic Nanotechnologies.”

Banerjee, K., Electrical & Computer Engineering, $200,000, Stanford University, “Graphene Electrode Engineering for Photovoltaic Applications.”

Blanchette, C.A., Caselle, J.E., Marine Science Institute, $232,045, Oregon State University, “Understanding the California Current Large Marine Ecosystem under Climate Change: Delivering Sound Science for Policy.”

Blurton, H.F., Interdisciplinary Humanities Center, $59,820, American Council of Learned Societies, “Ethics, Criticism, Anti-Semitism: Chaucer’s Prioreess and the Jews.”

Donlay, C., Genetti, C.E., Interdisciplinary Humanities Center, $30,000, American Council of Learned Societies, “A Grammar of the Kazo Language in Yunnan, China.”

Doyle, F.J. (Chemical Engineering), Grafton, S.T. (Psychological & Brain Sciences), Institute for Collaborative Biotechnologies, $1,520,635, Army Research Office, “Task 26: Automation through Neurally-Decoded Intent (ANDI) for Crew Station Tasks and Interaction.”


Doyle, F.J., Dassau, E., Chemical Engineering, $89,656, Sansum Diabetes Research Institute, “Feasibility Study Assessing the Ability of an Insulin Pump-Controlling Algorithm to Minimize Hypoglycemia and Hyperglycemia in Patients with Type 1 Diabetes in Clinical Research Setting.”

Hollerer, T.H., Computer Science, $300,000, Office of Naval Research, “Evaluating the Effects of Immersion on Naval Training Applications.”


Montell, D.J., Molecular, Cellular & Developmental Biology, $1,314,257, National Institutes of Health, “Adhesion and Cytoskeleton Dynamics in Cell Migration.”


Palmstrom, C., Electrical & Computer Engineering, $1,197,500, University Of Minnesota, “Center for Spintronic Materials, Interfaces and Novel Architectures (C-SPIN).”

Read de Alaniz, J., Chemistry & Biochemistry, $29,580, Naval Postgraduate School, “Investigation of Mechanically Activated Substituted Spiropyans.”


Rodwell, M.J., Electrical & Computer Engineering, $600,000, Teledyne Technologies, “Process Technologies and Mixed-Signal IC Designs for Heterogeneous Integration.”

Rumberger, R.W. (education), gevirtz research institute, $50,000, UC Los Angeles, “The Relationship between Student Suspensions and Dropout Rates.”


Weimbs, T. (Molecular, Cellular & Developmental Biology), Neuroscience Research Institute, $191,563, Endocyte, “Pre-clinical Efficacy of Folate-Conjugated mTOR Inhibitors and Related Compounds in Polycystic Kidney Disease.”

Weld, D, Physics, $50,000, Alfred P. Sloan Foundation, “Alfred P. Sloan Foundation.”

Zhang, L., Chemistry & Biochemistry, $420,000, National Science Foundation, “Gold Vinylidenes and Gold Aryne Complexes: Novel Reactive Intermediates for Versatile Synthetic Applications.”
Program Announcements
May 2013

Helpful Hints
- Program announcements are organized by funding agency and then by deadline.
- **Limited submission programs** restrict the number of applications, nominations, or proposals an institution can submit to an agency. These programs require that the campus screen pre-proposals or nominations to determine which will go forward to the sponsor and are typically due to the Office of Research two months prior to the agency deadline. If you are interested in applying, please email: funding@research.ucsb.edu well in advance of the deadline. A list is available on our website at: http://www.research.ucsb.edu/funding/LimitedSubmission.aspx
- In order to provide a full and complete review, Sponsored Projects in the Office of Research must receive proposals at least four full working days prior to funding agency deadlines.

**Department of Agriculture (USDA)**

5/22/2013  Agriculture Economics and Rural Communities Application

**Agriculture and Food Research Initiative - Foundational Program**
Department of Agriculture (USDA)

Contact:  Varies with research interest
Solicitation number:  USDA-NIFA-AFRI-003958

The purpose of AFRI is to support research, education, and extension work by awarding grants that address key problems of national, regional, and multi-state importance in sustaining all components of food and agriculture, including farm efficiency and profitability, ranching, renewable energy, forestry (both urban and agroforestry), aquaculture, rural communities and entrepreneurship, human nutrition, food safety, physical and social sciences, home economics and rural human ecology, biotechnology, and conventional breeding. Through this support, AFRI advances knowledge in both fundamental and applied sciences important to agriculture. It also allows AFRI to support education and extension activities that deliver science-based knowledge to people, allowing them to make informed practical decisions. This AFRI RFA is announcing funding opportunities for fundamental Research, applied Research, and Integrated Research, Education, and/or Extension Projects. NIFA offers a number of Program Areas that support Research, Education, Extension, and Integrated Projects: (1) Plant Health and Production and Plant Products; (2) Animal Health and Production and Animal Products; (3) Food Safety, Nutrition, and Health (4) Renewable Energy, Natural Resources, and Environment; (5) Agriculture Systems and Technology; (6) Agriculture Economics and Rural Communities.

**Department of Commerce (DOC)**

5/14/2013  Full Proposal

**National Strategy for Trusted Identities in Cyberspace (NSTIC) Pilots Cooperative Agreement Program**
Department of Commerce, National Institute of Standards and Technology (NIST)

Contact:  Barbara Cuthill, 301/975-3273, barbara.cuthill@nist.gov
Solicitation number:  2013-NIST-NSTIC-01

NIST is soliciting proposals from eligible applicants to pilot on-line identity solutions that embrace and advance the NSTIC vision: that individuals and organizations utilize secure, efficient, easy-to-use, and interoperable identity credentials to access online services in a manner that promotes confidence, privacy, choice, and innovation. Specifically, the Federal government seeks to initiate and support pilots that address the needs of individuals, private sector organizations, and all levels of government in accordance with the NSTIC Guiding Principles that identity solutions will be: 1) privacy-enhancing and voluntary; 2) secure and resilient; 3) interoperable; and 4) cost-effective and easy-to-use. NIST will fund projects that are intended to test or demonstrate new solutions, models, and frameworks that either do not exist or are not widely adopted in the marketplace today. Awards will be in the range of approximately $1.25M to $2M per year per project for up to two years.

**Department of Defense (DOD)**
NRL Broad Agency Announcement

Naval Research Laboratory


Contact: Mary Johnson, 202/767-2021, nrlproposals@nrl.navy.mil

Solicitation number: BAA-N00173-02

NRL conducts basic and applied research for the Navy in a variety of scientific and technical disciplines. NRL contributes to this requirement by conducting research in the following areas, organized into NRL'S Naval Center for Space Technology and three research directorates: Systems, Materials Science and Component Technology, and Ocean and Atmospheric Science and Technology. Interested offerors must first submit a white paper (WP). White Papers are continuously accepted. Proposals are only accepted upon request.

AFRL Research Collaboration Program

Air Force Research Laboratory

http://www.grants.gov/search/search.do?mode=VIEW&oppId=212295

Contact: Angela Campbell, 937/656-7736, Angela.Campbell@wpafb.af.mil

Solicitation number: BAA-RQKM-2013-0005

The objective of the AFRL Research Collaboration program is to enable collaborative research partnerships between AFRL and Academia and Industry in areas including but not limited to Materials and Manufacturing and Aerospace Sensors that engage a diverse pool of domestic businesses that employ scientists and engineers in technical areas required to develop critical warfighting technologies for the nation’s air, space and cyberspace forces through specific AFRL Core Technical Competencies (CTCs). This objective will be met by awarding contracts/assistance instruments that provide a broad range of highly unique evolutionary and revolutionary technology advances in nine competency areas: Structural Materials and Applications, Functional Materials and Applications, Support for Operations, Manufacturing Technology, Radio Frequency (RF) Sensing, Electro-Optical Sensing, Spectrum Warfare, Layered Sensing Exploitation and Enabling Sensor Devices/Components. Individual awards are anticipated to be in the range of $100K to $750K per contract. Each award is not anticipated to exceed 48 months.

U.S. Army Engineer Research and Development Center BAA 2013

U.S. Army Corps of Engineers

http://www07.grants.gov/search/search.do?&mode=VIEW&oppId=213834

Contact: Varies with research interest

Solicitation number: W912HZ-13-BAA-01

The U.S. Army Engineer Research and Development Center (ERDC) supports conferences and symposia in special areas of science that bring experts together to discuss recent research or educational findings or to expose other researchers or advanced graduate students to new research and educational techniques. The ERDC encourages the convening, in the United States, of major international conferences, symposia, and assemblies of international alliances. Conference support proposals should be submitted a minimum of six months prior to the date of the conference.

Research Interests of the Air Force Office of Scientific Research

Air Force Office of Scientific Research (AFOSR)

http://www07.grants.gov/search/search.do?&mode=VIEW&oppId=218055

Contact: Varies with research interest

Solicitation number: BAA-AFOSR-2013-0001

AFOSR solicits white papers and proposals for basic research through this general Broad Agency Announcement (BAA). The focus of AFOSR is on research areas that offer significant and comprehensive benefits to our national warfighting and peacekeeping capabilities. These areas are organized and managed in five scientific Departments: 1) Dynamical Systems and Control (RTA); 2) Quantum and Non-Equilibrium Processes (RTB); 3) Information, Decision and Complex Networks (RTC); 4) Complex Materials and Devices (RTD); and 5) Energy, Power and Propulsion (RTE).
United States Army Research Institute for the Behavioral and Social Sciences Broad Agency Announcement for Bas

The U.S. Army Research Institute for the Behavioral and Social Sciences is the Army’s lead agency for the conduct of research, development, and analyses for the improvement of Army readiness and performance via research advances and applications of the behavioral and social sciences that address personnel, organization, training, and leader development issues. This FOA is divided into two sections: 1) Basic Research and 2) Applied Research and Advanced Technology Development. Basic Research is defined as systematic study directed toward greater knowledge or understanding of the fundamental aspects of phenomena and of observable facts without specific application of processes or products in mind. The Applied Research and Advanced Technology Development Section is divided into four subsections: 1) Training; 2) Leader Development; 3) Team and Inter-Organizational Performance in Complex Environments; and 4) Soldier/Personnel Issues.

Contact: Varies with research interest
Solicitation number: W911NF-13-R-0001

BAA for Research Initiatives at the Naval Postgraduate School

The Naval Postgraduate School (NPS) is interested in receiving proposals for research initiatives that offer potential for advancement and improvement in the NPS core mission of graduate education and research. Readers should note that this is an announcement to declare NPS’s solicitation in competitive funding of meritorious research initiatives across a spectrum of science and engineering, business, politics and public/foreign policy, operational and informational sciences, and interdisciplinary disciplines that support the NPS’ graduate education and research mission. The amount and period of performance of each selected proposal will vary depending on the research area and the technical approach pursued by the selected Offeror. There is no limit to the number of proposals an institution can submit to this BAA.

Contact: Varies with research interest
Solicitation number: BAA-12-004

Probabilistic Programming for Advancing Machine Learning (PPAML)

DARPA is soliciting innovative research proposals in the area of probabilistic programming languages and accompanying tools to facilitate the construction of new machine learning applications across a wide range of domains. The goal of the PPAML program is to facilitate the construction of machine learning applications by using probabilistic programming to: 1) dramatically increase the number of people who can successfully build machine learning applications; 2) make machine learning experts radically more effective; and 3) enable new applications that are inconceivable today. Specifically excluded is research that primarily results in evolutionary improvements to the existing state of practice. The level of funding for individual awards made under this solicitation has not been predetermined and will depend on the quality of the proposals received and the availability of funds.

Contact: Kathleen Fisher, PPAML@darpa.mil
Solicitation number: DARPA-BAA-13-31

Amyotrophic Lateral Sclerosis Therapeutic Development Award

The TDA supports the preclinical assessment of therapeutics for ALS. The proposed studies are expected to be empirical in nature and product-driven but may have a hypothesis-driven approach, provided the focus is on therapeutics. It is anticipated that the agents and/or data generated from these awards will lead to the advancement of new therapies for ALS. The TDA mechanism is designed to support preclinical testing and development of therapeutics for ALS. Applications must include preliminary data relevant to the phase(s) of the preclinical development process covered by the proposed research. The maximum allowable direct costs for the entire period of performance of up to three years are $1.5M plus indirect costs.

Contact: 301/682-5507, help@cdmrp.org
Solicitation number: W81XWH-13-ALSRT-PDA

5/14/2013 Proposal

5/16/2013 Proposal

5/31/2013 Proposal
Amyotrophic Lateral Sclerosis Therapeutic Idea Award

Department of Defense (DoD)
Contact: 301/682-5507, help@cdmrp.org
Solicitation number: W81XWH-13-ALSRP-TIA
The TIA is designed to promote new ideas that are still in the early stages of development with the potential to yield highly impactful data and new avenues of investigation for novel therapeutics for ALS treatment. This mechanism supports conceptually innovative, high-risk/high-reward research that could ultimately lead to critical discoveries or major advancement in ALS therapeutics. Proposed research projects should include a well-formulated, testable hypothesis based on strong scientific rationale that holds translational potential to improve ALS treatment and/or advances a novel treatment modality. The maximum allowable direct costs for the entire two year period of performance are $400K plus indirect costs.

Military Infectious Diseases Applied Research Award

Department of Defense (DoD)
Contact: 301/682-5507, help@cdmrp.org
Solicitation number: W81XWH-14-DMRDP-MID-ARA
The goal of the DMRDP is to advance the state of medical science in those areas of most pressing need and relevance to today’s battlefield experience. Therefore, all applications MUST specifically address at least one of the following Focus Areas related to combat-related or trauma-induced wound infections: 1) Development of new methods for rapid multi-pathogen/multi-phenotype detection of multidrug-resistant organisms (MDROs), nosocomial pathogens, and/or rapid multipathogen/multi-phenotype characterization of antimicrobial resistance patterns; 2) Development of assays for host immune response biomarkers for diagnosis or prognosis (with associated outcomes) of infection to inform clinical wound management decisions (e.g., optimal wound closure time, optimal duration of antibiotics for osteomyelitis); and 3) Development and preclinical testing of novel chemotypes (chemical classes/materials), biologics as potential therapeutics or prophylactics for wound infection, and/or biofilm formation, maintenance, or propagation. Innovative treatment approaches (e.g., chelators, antibody, phage, antimicrobial peptides, quorum-sensing inhibitors, and host immunoaugmentation, etc.) are encouraged. The maximum allowable total costs for the entire period of performance are $2M including direct and indirect costs. The maximum period of performance is three years.

Multiple Sclerosis Idea Development Award

Department of Defense (DoD)
Contact: 301/682-5507, help@cdmrp.org
Solicitation number: W81XWH-13-MSRP-IDA
The objective of the FY13 MSRP is to support pioneering ideas and high-impact research relevant to the prevention, etiology, pathogenesis, assessment, and treatment of multiple sclerosis (MS) to achieve the program’s vision to prevent the occurrence; cure, reverse, or slow the progression; and lessen the personal and societal impact of MS. Research projects should include a well-formulated, testable hypothesis based on strong scientific rationale. The maximum allowable direct costs for the entire two year period of performance are $400K plus indirect costs.
Bone Marrow Failure Idea Development Award

Department of Defense (DoD)
Contact: 301/682-5507, help@cdmrp.org

Solicitation number: W81XWH-13-BMFRP-IDA

The vision of the BMFRP is to understand and cure BMF diseases. Toward that end, the program challenges the scientific community to design innovative research that will advance the understanding of inherited and acquired BMF diseases to improve the health of individuals, with the ultimate goals of prevention and cure. The objective of the FY13 BMFRP is to fund scientifically meritorious research focused on BMF diseases and their long-term sequelae. Investigator-initiated research is encouraged in the areas of congenital or acquired BMF. Studies focused on BMF diseases and their progression to other malignancies such as leukemia are acceptable. However, research primarily focused on myeloproliferative neoplasms, leukemia, or other malignancies is discouraged. Projects including bone marrow transplantation or stem cell biology should address issues that are unique to BMF diseases. The maximum allowable direct costs for the entire three year period of performance are $360K plus indirect costs.

Neurofibromatosis Exploration - Hypothesis Development Award

Department of Defense (DoD)
Contact: 301/682-5507, help@cdmrp.org

Solicitation number: W81XWH-13-NFRP-EHDA

The vision of the FY13 NFRP is to decrease the clinical impact of NF. Toward this end, 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; and develop a balanced portfolio of meritorious research related to all aspects of NF1, NF2, and schwannomatosis. The maximum allowable direct costs for the entire 2 year period of performance are $100K plus indirect costs.

Neurofibromatosis Investigator-Initiated Research Award

Department of Defense (DoD)
Contact: 301/682-5507, help@cdmrp.org

Solicitation number: W81XWH-13-NFRP-IIRA

The vision of the FY13 NFRP is to decrease the clinical impact of NF. The NFRP Investigator-Initiated Research Award supports innovative basic and clinically oriented research that will: 1) Provide insight into the development of NF, or into particular lesions or abnormalities that occur as a result of NF; 2) Result in substantial improvements over today’s approach to the diagnosis and treatment of NF; and 3) Have an impact on the quality of life of persons with NF. The maximum allowable direct costs for the entire period of performance are $525K plus indirect costs. The maximum period of performance is three years.
Neurofibromatosis New Investigator Award

The vision of the FY13 NFRP is to decrease the clinical impact of NF. The intent of the NFRP New Investigator Award is to support the continued development of promising independent investigators and/or the transition of established investigators into a career in the field of NF research. Experience in NF research is allowed, but not required. However, Principal Investigators (Pis) with a limited background in NF research are strongly encouraged to have a collaborator who is experienced in the NF field. New Investigator Award applications must include preliminary or published data that is relevant to NF and the proposed research project. The maximum allowable direct costs for the entire period of performance are $400K plus indirect costs. The maximum period of performance is three years.

Contact:
W81XWH-13-NFRP-NIA
Solicitation number:
Department of Defense (DoD)

FY14 Communications and Networking Discovery and Invention

The current evolution of naval warfighting from a platform-centric to a network-centric paradigm depends on successfully meeting the implied need for significantly enhanced communications and networking capabilities of C2, sensor and weapon systems. These systems are deployed on a variety of platforms and users, both manned and unmanned, operating under challenging battlefield conditions (lack of infrastructure, mobility, spectrum, interference, multipath, atmospherics, size/weight/power constraint, etc.) in different environments (space, terrestrial and undersea). The goal of this program is to overcome these challenges by developing measurable advances in technology that can directly enable and enhance end-to-end connectivity and quality-of-service for mission-critical information exchange among such widely dispersed naval, joint, and coalition forces. The vision is to provide high throughput, robust communications and networking to ensure all warfighters -- from the operational command to the tactical edge -- have access to the data, information, and resources necessary to make timely, accurate decisions while performing their assigned missions or tasks. ONR plans to fund $300K to $500K per year per award for a maximum of three years.

Contact:
Santanu Das, santanu.das@navy.mil
Solicitation number: ONRBAA13-008
Office of Naval Research (ONR)

Computational Methods for Decision Making

This program is partitioned into four thrusts: 1) Resource Optimization; 2) Automated Image Understanding; 3) Information Integration; and 4) Cyber Security thrusts. Together these thrusts seek to develop new technological capabilities that support Naval Operations across a wide variety of missions. The program will pursue a wide variety of approaches that enable automated systems to, within the context of a mission, automatically analyze multiple sources of data supporting interpretation of the data; combine data and generate interpretations from multiple data sources to provide understanding of the battle space; provide management of sensor and other resources to maintain and improve the battle space picture, and to enable and build high performance software systems that are defect free and trustworthy to implement these algorithms, methods, techniques, and strategies.

Contact:
Carey Schwartz, carey.schwartz@navy.mil
Solicitation number: 13-SN-0009
Office of Naval Research (ONR)
Predoctoral Interdisciplinary Research Training Program in the Education Sciences - Limited Submission

Institute of Education Sciences

Contact: Varies by research area

Solicitation number:
Predoctoral Training Program grants will be awarded to institutions of higher education that create cohesive graduate programs in which predoctoral students will graduate within a traditional discipline (e.g., economics, psychology) and also will earn an Education Sciences Certificate. Predoctoral fellows are expected to conduct dissertations on education topics relevant to education in the United States. The proposed training programs should be interdisciplinary and involve a number of academic disciplines (e.g., economics, education, psychology, public policy, sociology, statistics, among others). The lead department may be any of the participating departments, but the focus must be on applied research in education. Applications maybe be submitted under one of the following three training topics: 1) Predoctoral Interdisciplinary Research Training Program in the Education Sciences, 2) Methods Training for Education Researchers, and 3) Training in Education Research Use and Practice.

For FY 2014, the Institute is supporting research in 10 research topics: Cognition and Student Learning; Early Learning Programs and Policies; Education Technology; Effective Teachers and Effective Teaching; English Learners; Improving Education Systems: Policies, Organization, Management, and Leadership; Mathematics and Science Education; Postsecondary and Adult Education; Reading and Writing; and Social and Behavioral Context for Academic Learning.

The maximum length of the grant is 5 years. The maximum amount of the award is $4 million.

Fulbright-Hays Doctoral Dissertation Research Abroad (DDRA) Fellowship Program

Department of Education, Office of Postsecondary Education (OPE)

Contact: Stephanie McKissic, 202/502–7589, ddra@ed.gov

Solicitation number: ED-GRANTS-050213-001

This program provides opportunities to doctoral candidates to engage in full-time dissertation research abroad in modern foreign languages and area studies. The program is designed to contribute to the development and improvement of the study of modern foreign languages and area studies in the United States. The absolute priority for this solicitation is a research project that focuses on one or more of the following geographic areas: Africa, East Asia, Southeast Asia and the Pacific Islands, South Asia, the Near East, Central and Eastern Europe and Eurasia, and the Western Hemisphere (excluding the United States and its territories). The estimated range of fellowship awards is $15K to $60K. The institutional project period is 18 months, beginning October 1, 2013. Students may request funding for a period of no less than 6 months and no more than 12 months.

Department of Energy (DOE)

5/13/2013 Letter of Intent (required)
6/3/2013 Application

Marine and Hydrokinetic System Performance Advancement

Department of Energy
https://eere-exchange.energy.gov/-Foald904df88f-9f0b-4e0d-b773-1ce463277992

Contact: SPAFOA848@go.doe.gov

Solicitation number: DE-FOA-0000848

The objective of this FOA is to advance technology performance of existing marine and hydrokinetic systems through the development and application of innovative components that are designed and built specifically for MHK applications. This FOA will focus on improving the cost competitiveness of systems already in development, with the goal of advancing the technology performance of these systems. This FOA will support component development projects in three topic areas that have the greatest potential to impact power to weight ratio and availability: 1) Advanced Controls – to improve energy capture, availability, and safety; 2) Next-Gen Power Take-Off (PTO) – to increase energy efficiency, reduce weight, and improve reliability; and 3) Optimized Structures – to improve energy capture, reduce weight, and improve reliability. Projects proposed under all topic areas will have up to 24 months to complete component design, build scaled prototypes, perform testing for metric validation, and complete both a system integration plan and impact analysis.
Marine and Hydrokinetic (MHK) Environmental Effects Assessment and Monitoring

Department of Energy

https://eere-exchange.energy.gov/ - Foal93af2fa1-66cf-42db-a0ca-e160cb9411b0

Contact: Environmental_Assessment_FOA@go.doe.gov

Solicitation number: DE-FOA-0000816

The DOE is working closely with the Bureau of Ocean Energy Management (BOEM) to support and promote increased understanding of the potential environmental effects of marine and hydrokinetic energy devices. This FOA will support the collection of environmental monitoring and experimental data from MHK devices and analyses of existing data. DOE’s intent through this FOA is to fund projects which address the need for essential data to increase understanding of the environmental effects of MHK technologies through these three topic areas: 1) Topic Area 1: Fish Behavior and Mortality Around Hydrokinetic Turbines; 2) Topic Area 2: Environmental Monitoring of MHK Projects; and 3) Topic Area 3: Analysis of Environmental Effects of MHK Surrogate Technologies. Topic area 1 awards are expected to have a period of performance of 2 – 3 years and range between $200K and $500K; Topic area 2 awards are expected to range between $150K and $400K with a period of performance of 2 – 3 years; and Topic area 3 awards are expected to range between $50K and $150K with a period of performance of 12 – 18 months. The cost share must be at least 20% of the total allowable costs for research and development projects in topic areas 1 and 2.

Accelerating the Deployment of Energy Efficiency and Renewable Energy Technologies in South Africa and Saudi Arabia

Department of Energy

https://eere-exchange.energy.gov/Default.aspx - FoaId87c4d3fb-37d4-458e-8459-0b07cd5fb73b

Contact: InternationalFOA837@go.doe.gov

Solicitation number: DE-FOA-0000837

The objective of this FOA is to develop and implement a variety of activities that deploy U.S. technical expertise in areas such as strategic and policy planning and analysis, energy market analysis, energy modeling, workforce development, and technical analysis to prime markets for increased use of energy efficient and renewable energy technologies in South Africa and Saudi Arabia. Benefits to the U.S. include potentially increased exports of domestic clean energy technologies and services in rapidly expanding markets, as well as access to data on clean energy policy and program successes and challenges that can inform U.S. national and subnational policy development. DOE anticipates providing two awards totalling $900k (one $450k award for activities in South Africa; one $450k award for activities in Saudi Arabia). The awardees will implement these activities over a period of up to three years to accomplish the goals of this funding opportunity

Theoretical Research in Magnetic Fusion Energy Science

Department of Energy, Office of Science

http://www07.grants.gov/search/search.do?&mode=VIEW&oppId=224853

Contact: John Mandrekas, 301/903-0552, john.mandrekas@science.doe.gov

Solicitation number: DE-FOA-0000879

DOE announces its interest in receiving grant applications for theoretical research relevant to the program in magnetic fusion energy sciences. The specific areas of interest are: 1) Magnetohydrodynamics; 2) Confinement and Transport; 3) Boundary Physics; 4) Plasma Heating, Non-inductive Current Drive, and Energetic Particles; and 5) Atomic and Molecular Processes in Plasmas. Collaborative research projects involving more than one institution are welcome.
Uncertainty Quantification Methodologies for Enabling Extreme-Scale Science

The purpose of this FOA is to invite applications in ASCR Applied Mathematics basic research that significantly advance uncertainty quantification (UQ) methodologies as an enabling technology in extreme-scale scientific computing. UQ broadly refers to the end-to-end study of the accuracy, reliability, development and effective use of computational models in making scientific inferences. Mathematically rigorous UQ methodologies are essential to a wide range of DOE science and engineering applications in carrying out predictions, design optimization, decision making, or other high-level tasks. UQ relies on a broad range of applied mathematics and statistics research, along with algorithmic and computational developments, and subject matter expertise, to enable an appropriate level of confidence in the use of computational models for scientific investigations. This FOA calls for basic research in methodologies and tools that will deliver significantly improved or advanced UQ capabilities for DOE-mission science based on anticipating the characteristics and challenges, and fully realizing the potential advantages, of using extreme-scale computing systems. It is anticipated that approximately 4 to 9 projects will be funded, each with a total project budget ranging from $150K to $1.4M per year for a maximum of three years.

Atmospheric System Research Program

This FOA invites applications for grant research support that address the ASR goal of advancing the science of clouds, aerosols, precipitation and their interactions, with the potential to improve confidence in regional and global climate model projections. ASR conducts research to: determine the properties of, and interactions among, aerosols, clouds, precipitation, and radiation that are most critical to understand in order to improve their representation in climate models; ascertain the roles of atmospheric dynamics, thermodynamic structure, radiation, surface properties, and chemical and microphysical processes in the life cycles of aerosols and clouds, and develop and evaluate models of these processes; and identify and quantify processes along the aerosol-cloud-precipitation continuum that affect the radiative fluxes at the surface and top of the atmosphere and the radiative and latent heating rate profiles, and improve the ability to accurately model these processes. Research Grant Awards (typically single-investigator projects) are expected to be made for a period of two or three years with a funding ceiling of $300K per year.

Consolidated Innovative Nuclear Research

Through an open, competitive solicitation process, DOE is seeking applications from United States University PIs to conduct nuclear energy-related research in support of the major NE-funded research programs. In addition, DOE is seeking applications for projects led by industry, national laboratory, or U.S. university PIs to conduct R&D in support of the NEET Crosscutting Technology Development Program. Specifically, research proposals are sought to conduct Program Supporting and Mission Supporting R&D in the areas of FC R&D, RC RD&D, NEAMS, and NEET Crosscutting Technology Development, while research proposals are sought to conduct Program Directed R&D in the area of RC RD&D. The primary objective of consolidating fiscal year (FY) 2013 competitive research sought by NE in the area of innovative nuclear research into a single Funding Opportunity Announcement (FOA) is to promote efficiency and the effective use of resources. The maximum amount for an individual award made under the University-Led Research and Development section in Program Supporting projects is approximately $800K total for project duration of up to three years. In Mission Supporting projects, the maximum amount for an individual award made under this Section is $400K total for project duration of up to three years. Projects will be evaluated annually to determine if funding will continue within the project period.
FY2013 Unconventional Gas and Oil Technologies
Department of Energy

The intent of this FOA is to select and award projects in FY13 that focus on improving the environmental performance of shale gas, tight oil, and tight gas resource development. This can be achieved by mitigating issues related to wellbore integrity and zonal isolation and by reducing water usage, air emissions, and resource degradation through better unconventional resource stimulation that appropriately matches technology to local geologic and hydrologic conditions. This announcement is a critical component of the DOE portfolio to advance the environmentally sound development of unconventional domestic natural gas and oil resources and it will support ongoing programmatic efforts to improve our understanding of the nature and impacts of unconventional resource development, develop improved technologies and engineering practices to ensure these resources are developed safely and with minimal environmental impact, and increase supply of U.S. oil and gas resources in order to enhance national energy security and further reduce energy imports.

FY 2013 Methane Hydrates
Department of Energy

The intent of this FOA is to solicit applications for selection and award in FY 2013 that focus on the following three technical topic areas: 1) Topic Area 1 - Characterization of gas hydrate deposits; 2) Topic Area 2 - response of gas hydrate reservoirs to induced environmental change; and 3) Topic Area 3 - response of methane hydrate systems to natural environmental change. These projects will support program goals to determine the likelihood of methane hydrates as a potential energy resource and their role in the natural environment. The objective of the program is to fund research that significantly advances the current state of knowledge or technology with respect to methane hydrate science. Individual award size could range from $300K to $1.5M including cost share contributions. The cost share must be at least 20% of the total allowable costs for research and development projects and 50% of the total allowable costs for demonstration and commercial application projects. DOE anticipates making awards with an estimated project period of 12-48 months.

Department of Justice (DOJ)
FY 2013 National Criminal History Improvement Program (NCHIP)

Department of Justice

http://www07.grants.gov/search/search.do?&mode=VIEW&oppId=227903

Contact: Devon Adams, 202/307-0765, askbjs@usdoj.gov

Solicitation number: BJS-2013-3534

The goal of the NCHIP grant program is to improve the nation’s safety and security by enhancing the quality, completeness, and accessibility of criminal history record information and by insuring the nationwide implementation of criminal justice and noncriminal justice background check systems. Through this competitive solicitation, BJS invites applications from states, territories, and tribes that propose projects that specifically and directly address one or more of the priority areas identified below, and to the maximum extent possible, propose to match and/or leverage the NCHIP award with other resources. Priority areas include: 1) Updating and automating case outcomes from courts and prosecutors in state records and the FBI’s Criminal History File; 2) Automating access to information concerning persons prohibited from possessing or receiving a firearm and transmitting relevant records to III, NCIC, and the NICS Index, including persons who have been adjudicated as a mental defective or have been committed to a mental institution; are unlawful users of, or addicted to, any controlled substance; are the subject of protection or restraining orders; and/or have been convicted of a misdemeanor crime of domestic violence; and 3) Full participation in the Interstate Identification Index (III) and the National Fingerprint File (NFF) including adoption and implementation of the National Crime Prevention and Privacy Compact. All awards are subject to the availability of appropriated funds and to any modifications or additional requirements that may be imposed by law. The FY 2013 total appropriation is $6M.

Social Science Research on Forensic Science

Department of Justice, National Institute of Justice (NIJ)

https://www.ncjrs.gov/pdffiles1/nij/sl001038.pdf

Contact: Katharine Browning, 202/616-4786, Katharine.Browning@usdoj.gov

Solicitation number: NU-2013-3464

As forensic evidence plays an increasingly important role in solving crimes, NIJ continues to examine the social science questions related to the effective use of forensic evidence to identify and process criminal offenders and the impact of these advances on the criminal justice system. NIJ has identified several areas of interest for this solicitation, including issues related to sexual assault medical forensic examinations, familial DNA searching, and research on the rate of wrongful convictions. Research proposed under this solicitation should have direct implications for policy and/or practice in the criminal justice system, and these implications should be clearly stated in the application. NIJ funding for an individual research project is typically $500K.

Research on Violent Victimization - FY 2013

Department of Justice, National Institute of Justice (NIJ)

https://www.ncjrs.gov/pdffiles1/nij/sl001040.pdf

Contact: Nadine Frederique, 202/514–8777, Nadine.Frederique@usdoj.gov

Solicitation number: NU-2013-3467

Millions of Americans become violent crime victims every year. NIJ has a long history of supporting research on victimization and victim services. However, crime trends offer little information on the context and consequences of violent victimization. The goal of this solicitation is to expand NIJ’s program of research by encouraging investigator-initiated research on violent victimizations. Proposals will be considered on any violent victimization topic with the exception of proposals addressing the following topics: domestic and intimate partner violence, sexual violence, stalking, femicide, or teen dating violence. NIJ is particularly interested in proposals examining one or more of the following topics: 1) Intersection of race, ethnicity, and violent victimization; 2) Effectiveness of services for victims of violent crime; 3) Victim/Offender overlap as it pertains to violent crime; and 4) Sexual orientation and/or gender identity and violent victimization. The maximum project period is three years.
OJJDP FY 2013 Field-Initiated Research and Evaluation Program
Department of Justice, Office of Juvenile Justice Delinquency Prevention
Contact: 1–877/927–5657, JIC@telesishq.com
Solicitation number: OJJDP-2013-3581
This program will support methodologically rigorous research and evaluations that inform policy and practice consistent with the Department of Justice’s mission. OJJDP will fund field-initiated studies that advance the understanding of how the application of a child and adolescent development framework to juvenile justice system approaches, policies, and programs impacts juvenile delinquency, justice system involvement, and recidivism. This solicitation has two categories: 1) Category 1- New Research and Evaluations; and 2) Category 2- Extended or Expanded Data Collection for Ongoing/Existing Juvenile Longitudinal Studies. Under Category 1, OJJDP will award grants of as much as $500K for a project period of as long as 48 months. Under Category 2, OJJDP will award grants for as much as $500K for the first year of data collection and analyses.

Evaluation Research on Police and Technology in Schools
Department of Justice, National Institute of Justice (NIJ)
https://www.ncjrs.gov/pdffiles1/nij/sI001044.pdf
Contact: Patrick Clark, 202/353-9482, Patrick.Clark@usdoj.gov
Solicitation number: NIJ-2013-3458
With this solicitation, NIJ is requesting applications for research to evaluate the use of police and technology in schools. The proposed research should be comprehensive and include assessment of aspects such as school ecology, culture, climate, and social capital in addition to outcomes and other impacts. Logic models should be provided and include assessment of implementation processes and outputs, proximal and distal outcomes. A cost-benefit component should be included as part of the proposed research design. Multi-method, multi-measurement, and multiple year projects will be given priority in funding. Administrative agreements with participating school districts are required and should be provided in the funding application. NIJ funding for an individual research project rarely exceeds $500K for a maximum project period of three years.

Research and Evaluation on Transnational Issues - Trafficking in Persons, Organized Crime, and Violent Extremism
Department of Justice, National Institute of Justice (NIJ)
https://www.ncjrs.gov/pdffiles1/nij/sI001066.pdf
Contact: John Picarelli, 202/307-3213, john.picarelli@usdoj.gov
Solicitation number: NIJ-2013-3457
NIJ seeks research and evaluation applications on the phenomenon of transnational crime issues. Transnational crime issues leverage geopolitical changes, globalization, and the information technology revolution to transcend sovereign borders and impact numerous countries simultaneously. This research will supplement work already underway at NIJ on three separate topics—trafficking in persons, transnational organized crime, and radicalization to violent extremism. The goal of this solicitation is to provide the information and evidence-based practices that State, local, and tribal criminal justice agencies need to secure their communities against transnational crimes. Proposals should develop and analyze information and data that have clear implications for criminal justice in the following focus areas: 1) transnational offenders; 2) similarities and differences between organized crime and violent extremist groups; 3) measurement of transnational organized crime and trafficking in persons; and 4) evaluations of efforts to reduce demand for transnational organized crime and/or trafficking in persons. NIJ anticipates that up to a total of $2.5 million may become available for 4-6 awards for a 24-36 month project period. NIJ funding for an individual research project rarely exceeds $500K.
Research and Evaluation on Radicalization to Violent Extremism in the United States

Department of Justice, National Institute of Justice (NIJ)

https://www.ncjrs.gov/pdffiles1/nij/sl001061.pdf

Contact: John Picarelli, 202/307-3213, john.picarelli@usdoj.gov

Solicitation number: NIJ-2013-3489

With this solicitation, NIJ seeks applications for research on radicalization to violent extremism as it occurs in the United States, and for evaluation of promising practices to prevent or mitigate radicalization in U.S. communities. This research will supplement work that NIJ funded in FY12, and projects now underway at other Federal agencies. The goal of this research is to aid State, local, and tribal criminal justice agencies and their attendant communities in implementing programs that prevent or counter radicalization to violent extremism. This solicitation focuses on all forms of radicalization that lead to violent extremism in the United States. Proposals should develop and analyze information and data that have clear implications for criminal justice in the following focus areas: 1) comparative analysis at the individual (micro-) level; 2) online radicalization to violent extremism; and 3) evaluations of promising practices to prevent or mitigate radicalization. NIJ anticipates that up to a total of $2.5M may become available for between 3 and 5 awards made through this solicitation. The maximum project period is three years.

Testing Geospatial Predictive Policing Strategies

Department of Justice, National Institute of Justice (NIJ)


Contact: Joel Hunt, 202/616–8111, Joel.Hunt@usdoj.gov

Solicitation number: NIJ-2013-3456

NIJ is seeking applications for research that links theory (e.g., criminological, behavioral, economic, sociological, or other) to geospatial predictive policing strategies. This research should focus on three main elements: it should be geospatial in nature, use theory, and pertain to predictive police strategies. Proposals must test geospatial predictive policing strategies and explore how theory may help to explain and advance practice, based on findings. These findings should be used to further theory, and in doing so, further the policing strategies. It is important to note potential disconnects between theory and field implementation, including those related to units of analysis, both temporally and spatially. Exploration into the effects of changing the spatial and temporal units on the effectiveness and efficiency of these strategies is encouraged. NIJ anticipates that up to a total of $500K may become available for one or more awards made through this solicitation with a maximum project period of three years.

Research on Offender Decision-Making

Department of Justice, National Institute of Justice (NIJ)


Contact: Joel Hunt, 202/616-8111, Joel.Hunt@usdoj.gov

Solicitation number: NIJ-2013-3454

With this solicitation NIJ seeks to expand existing research by examining the process of adult offender decision-making with respect to the decision to offend. NIJ requests proposals that either expand the rational choice model or use other theories (e.g., behavioral economics, business models, psychology, or cognitive models) or both. Proposed research also should consider issues such as social context, emotions, default choices, or possibly environmental context to help the field gain a better understanding of the overall decision-making process. NIJ funding for an individual research project rarely exceeds $500K and the total project period rarely exceeds three years.

Research and Evaluation on White Collar Crime

Department of Justice, National Institute of Justice (NIJ)

https://www.ncjrs.gov/pdffiles1/nij/sl001049.pdf

Contact: Karen Stern, 202/514–9395, Karen.Stern@usdoj.gov

Solicitation number: NIJ-2013-3453

NIJ is interested in a wide range of research and evaluation on White Collar Crime (WCC) that will improve public safety and advance the administration of criminal justice. Applicants are free to propose projects in any relevant topical area, however, applicants must justify the merit of their proposal by describing how it will enhance the WCC knowledge base, address existing research gaps, or contribute to promising prevention or intervention practices in the area of WCC. NIJ funding for an individual research project rarely exceeds $500K over a total project period of up to three years.
Basic Scientific Research to Assess Youth With Sexual Offending Behavior

Department of Justice, National Institute of Justice (NIJ)

https://ncjrs.gov/pdffiles1/nij/sl001077.pdf

Contact: Marie Garcia, 202/514-7128, Marie.Garcia@usdoj.gov

Solicitation number: NJI-2013-3614

This FOA seeks applications for funding basic scientific research in the development and validation of a risk assessment tool with both static and dynamic factors designed for use in criminal and juvenile justice systems to estimate the short-term risk that juveniles with a history of sex offenses may recommit sex offenses. The risk assessment tool can (a) be available in the field of juvenile justice currently but not validated empirically; or (b) be developed for the purposes of this solicitation. The risk assessment tool should be validated in up to four sites that are geographically and demographically diverse, should include protective factors, and should be capable of estimating short-term risk of reoffending no more than 1 to 3 years into the future for juvenile sex offenders. NIJ funding for an individual research project rarely exceeds $500K for a maximum three year project period.
The USGS Earthquake Hazards Program (EHP) issues this annual Announcement for assistance to support research in earthquake hazards, the physics of earthquakes, earthquake occurrence, and earthquake safety policy. The eight Research Areas are: 1) Central and Eastern United States (CEUS): The United States east of the Rocky Mountains, including Puerto Rico and the U.S. Virgin Islands; 2) Earthquake Effects (EE): Basic and applied geographically broad research on the effects of earthquakes; 3) Earthquake Physics (EP): Basic and applied geographically broad research on the physics of earthquakes; 4) Intermountain West (IMW): Seismically active regions of the Intermountain West; 5) National (NAT): Research applicable nationally, especially activities related to the National Seismic Hazards Maps and to the National Earthquake Information Center (NEIC); 6) Northern California (NC): From Cape Mendocino to the central creeping section of the San Andreas fault and the adjacent Coast Ranges, with particular emphasis on the greater San Francisco Bay Area; 7) Pacific Northwest and Alaska (PNA): Washington, Oregon, Idaho, California north of Cape Mendocino (Cascadia), and Alaska; and 8) Southern California (SC): From the Carrizo Plain south to the international border with Mexico. In general, grants do not exceed $100K, with the majority of grants between $15K and $75K. Most proposals are funded for one year; all work that can be completed in one year should be proposed as a one-year project. However, if the proposed work is such that two years are required to complete the research, then a two-year proposal is appropriate and should be submitted.

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Coastal wetlands are valued because they protect against flooding, help maintain water quality, and provide habitat for wildlife. Coastal environments are also important economically, generating billions of dollars annually through such industries as commercial fishing and tourism. The NCWCMP provides States with financial assistance to protect and restore these valuable resources. Projects can include (1) acquisition of a real property interest (e.g., conservation easement or fee title) in coastal lands or waters (coastal wetlands ecosystems) from willing sellers or partners for long-term conservation or (2) restoration, enhancement, or management of coastal wetlands ecosystems. All projects must ensure long-term conservation. Awards typically range from $200K to $1M. The maximum Federal cost share for this Program is 75% of total project costs in States that have a fund established and used for acquiring coastal wetlands, other natural areas, or open spaces.

The Digging into Data Challenge aims to address how "big data" changes the research landscape for the humanities and social sciences and challenges the research community to help create the new research infrastructure for 21st-century scholarship. The four overarching goals of the Digging into Data are to: 1) Promote the development and deployment of innovative research techniques in large-scale data analysis that focus on applications in the humanities and social sciences; 2) Foster interdisciplinary collaboration among researchers in the humanities, social sciences, computer sciences, library science, archival science, information sciences, mathematical and statistical sciences, engineering, and other fields, around questions of text and data analysis; 3) Promote international collaboration among both researchers and funders; and 4) Ensure efficient access to and sharing of the materials for research by working with data repositories that hold large digital collections. Applicants must apply as an international research project partnership. Each project is a partnership among two to four national teams. Each team represents one of the four nations participating in the Digging into Data Challenge (Canada, the Netherland, the US, and the UK). Each national team must be led by an eligible institution (for example, a university) with a designated principal investigator. The grant period will range between twelve and twenty-four months. For US teams, the award amount will range between US $25K and $125K. If the US team consists of two or more institutions, the maximum award is increased to $175K.
**C.23 Planetary Major Equipment**

National Aeronautics and Space Administration

http://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid=301993/solicitationId=%7B48D582D6-FF5B-B624-B624-8948D582D6FF5B-B624-B624-8948%

Contact: Jeffrey Grossman, 202/358-1218, HQ-PME@mail.nasa.gov

Solicitation number: NNH12ZDA001N-PME

This program allows proposals for new or upgraded analytical, computational, telescopic, and other instrumentation required by investigations sponsored by the Planetary Science Research Program’s science research programs as offered in this solicitation. Instrumentation purchases or upgrades that may be requested through the PME program are to be of a substantial nature; that is, over $40K. Proposals that seek to design, develop, test, or evaluate new instruments that are intended for commercial sale will be rejected without review. The expected annual program budget is $1.4M for 5-9 awards. The maximum award period is one year.

5/14/2013 Notice of Intent (optional)
7/12/2013 Proposal

**Astrophysics Theory**

National Aeronautics and Space Administration

http://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid=349466/solicitationId=%7B360025F3-4E21-8069-D2CF-212A1BBF3BD%

Contact: Keith MacGregor, 202/358-2463, HQ-ATP@mail.nasa.gov

Solicitation number: NNH13ZDA001N-ATP

This program supports efforts to develop the basic theory for NASA’s space astrophysics programs. Proposals submitted for this program must both: be directly relevant to space astrophysics goals by facilitating the interpretation of data from space astrophysics missions or by leading to predictions that can be tested with space astrophysics observations; and consist predominantly of theoretical studies or the development of theoretical models. The maximum award duration is four years. Shorter term proposals are encouraged; four-year proposals must be well justified.

5/14/2013 Notice of Intent
7/12/2013 Proposal

**Astrophysics Theory Program (ATP)**

National Aeronautics and Space Administration


Contact: Linda Sparke, 202/358-7335, HQ-ATP@mail.nasa.gov

Solicitation number: NNH12ZDA001N-ATP

The Astrophysics Theory Program (ATP) supports efforts to develop the basic theory for NASA’s space astrophysics programs. Proposals submitted for this program must: 1) be directly relevant to space astrophysics goals by facilitating the interpretation of data from space astrophysics missions or by leading to predictions that can be tested with space astrophysics observations; and 2) consist predominantly of theoretical studies or the development of theoretical models. The periods of performance of investigations for this research element may range from 1-4 years. Most selected proposals will have a duration of three years, but four-year proposals may be selected if the need for the longer duration is sufficiently well justified.
Terrestrial Ecology

National Aeronautics and Space Administration

http://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid=349613/solicitationId=%7B5177A9D7-32FC-FCF3-Contact: Diane Wickland, 202/358-0245, Diane.E.Wickland@nasa.gov

Solicitation number: NNH13ZDA001N-TE

NASA Terrestrial Ecology research addresses changes in Earth’s carbon cycle and ecosystems using space-based observations. The goals of this program are to improve understanding of the structure and function of global terrestrial ecosystems, their interactions with the atmosphere and hydrosphere, and their role in the cycling of the major biogeochemical elements and water. This program of research addresses variability in terrestrial ecosystems, how terrestrial ecosystems and biogeochemical cycles respond to and affect global environmental change, and future changes in carbon cycle dynamics and terrestrial ecosystems. The research approach combines (i) use of remote sensing to observe terrestrial ecosystems and their responses; (ii) field campaigns and related process studies to elucidate ecosystem function; and (iii) ecosystem and biogeochemical cycle modeling to analyze and predict responses. Research to establish a theoretical and scientific basis for measuring Earth surface properties using reflected, emitted, and scattered electromagnetic radiation and to develop the methodologies and technical approaches to analyze and interpret such measurements is an important component of the Terrestrial Ecology research program. The maximum duration of awards is three years.

Weather

National Aeronautics and Space Administration

http://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid=349650/solicitationId=%7B6E74C972-BD4C-2286-Contact: Ramesh Kakar, 202/358-0240, ramesh.k.kakar@nasa.gov

Solicitation number: NNH13ZDA001N-Weather

This solicitation is aimed at enabling improved predictive capability for certain weather and extreme weather events. The emphasis will be on developing the necessary satellite based observational tools that are relevant to two conceptual satellite missions of the future and another satellite mission recently selected by NASA under the Earth Venture program. Any proposal that does not clearly detail the use of at least one of these satellite missions will be considered nonresponsive to this solicitation. Maximum duration of awards is 36 months.

Heliophysics Supporting Research (H-SR)

National Aeronautics and Space Administration

http://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid=349396/solicitationId=%7B7132A905-ED5E-0559-Contact: Arik Posner, 202/358-0727, arik.posner@nasa.gov

Solicitation number: NNH13ZDA001N-HSR

The goal of the Heliophysics Supporting Research (SR) program combines the scientific objectives previously supported in the Supporting Research elements of the Geospace Science program and the Solar and Heliospheric Science program. Heliophysics SR awards are small focused individual research investigations that employ a variety of techniques, including theory, numerical simulation, modeling, analysis, and interpretation of space data. Heliophysics SR supports investigations of the solar interior, solar photosphere, solar chromosphere, transition region, and corona, the inner and outer heliosphere, and the interstellar boundary. Heliophysics SR includes investigations of planetary magnetospheres, ionospheres, and upper atmospheres, with emphasis on Earth’s magnetosphere, ionosphere, thermosphere and mesosphere. Coupling between one or more of these regions is an important part of the Heliophysics SR program. Annual funding is anticipated to be approximately $140K for up to three years.
Astrophysics Data Analysis
National Aeronautics and Space Administration
http://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid=349462/solicitationId=%7B7B75129D21-771D-AF9D

Contact: Douglas Hudgins, 202/358-0988, Douglas.M.Hudgins@nasa.gov
Solicitation number: NNH13ZDA001N-ADAP

This program provides support for investigations whose focus is on the analysis of archival data from NASA space astrophysics missions. This program solicits research whose primary emphasis is the analysis of NASA space astrophysics data that are archived in the public domain at the time of proposal submission. The maximum duration of awards is 4 years. Shorter-term proposals are welcome, four-year proposals must be especially well-justified.

The Science of Terra and Aqua
National Aeronautics and Space Administration

Contact: Lucia Tsaoussi, 202/358-4471, Lucia.S.Tsaoussi@nasa.gov
Solicitation number: NNH13ZDA001N-TERAQ

NASA’s Earth Science Research Program aims to utilize global measurements in order to understand the Earth system and interactions among its components as steps toward ultimate prediction of Earth system behavior. To achieve this goal, a combination of shorter-term process-oriented measurements is complemented by longer-term satellite measurements of a limited number of environmental properties. For the latter, a key requirement is the provision of well-calibrated, multiyear, and multisatellite data and product series. Three types of research are solicited: 1) Science Data Analysis; 2) Algorithms – New Data Products; and 3) Real- or Near-Real-Time Data Algorithms. The maximum project period is three years.

Space Technology Research Opportunities-Early Stage Innovations (STRO-ESI)
National Aeronautics and Space Administration

Contact: Claudia Meyer, hq-stro-esi-call@mail.nasa.gov
Solicitation number: NNH13ZUA002N

This solicitation seeks proposals to develop unique, disruptive, or transformational space technologies that have the potential to lead to dramatic improvements at the system level — performance, weight, cost, reliability, operational simplicity or other figures of merit associated with space flight hardware or missions. This solicitation exclusively seeks proposals that are responsive to one of the five following topics: 1) Asteroid Detection, Remote Characterization, and Impact Avoidance; 2) Technologies for In Situ Instruments; 3) Optical Coatings and Thin-film Physics; 4) Oxygen Recovery Technology; and 5) Improved Understanding of Cryogenic Propellant Physics. The estimated award amount for this solicitation is $250K/per year. The maximum project period is two years: one initial year with one possible 1-year renewal.

Origins of Solar Systems
National Aeronautics and Space Administration

Contact: Varies with research interest
Solicitation number: NNH13ZDA001N-OSS

This program solicits basic research proposals to conduct scientific investigations related to understanding the formation and early evolution of planetary systems and to provide the fundamental research and analysis necessary to detect and characterize other planetary systems. These investigations may involve analytical and numerical modeling, laboratory research, and observational studies in the following areas: star formation and the relationship to planetary system formation, solar nebula processes, accumulation and dynamical evolution, analysis of primitive materials, and the detection and characterization of other planetary systems. The maximum award duration is four years. Shorter term proposals (1-3 years) are typical; a fourth year must be explicitly and well justified.
Opportunities in Education and Public Outreach for Earth and Space Sciences

This Opportunities in Education and Public Outreach for Earth and Space Science (EPOESS) solicitation is for project activities utilizing SMD content supporting NASA education and public outreach (E/PO) objectives. It solicits proposals that address substantial and substantive educational or outreach needs or problems and offer solutions of significant impact. Project activities are expected to be relevant to NASA SMD Education and Outreach portfolio. This relevance should be clearly demonstrated in the proposal. This program element is expected to issue additional solicitations approximately every 12-24 months.

Contact: James Lochner, 202/358-3858, james.c.lochner@nasa.gov
Solicitation number: NNH13ZDA001N-EPOESS

ROSES 2013 - Carbon Monitoring System - Continuing Prototype Product Development, Research, and Scoping

The NASA Carbon Monitoring System (CMS) is a forward-looking initiative designed to make significant contributions in characterizing, quantifying, understanding, and predicting the evolution of global carbon sources and sinks through improved monitoring of carbon stocks and fluxes. This solicitation seeks new work directed towards: 1) acquisition, field sampling, quantification and development of prototype Monitoring Reporting and Verification (MRV) system capabilities which can provide transparent data products achieving levels of precision and accuracy required by current carbon trading protocols; 2) use of this type of information for local and regional applications related to Reducing Emissions from Deforestation and Forest Degradation (REDD) in developing nations; and/or 3) filling gaps in ongoing NASA CMS research regarding quantification of errors and uncertainties in NASA CMS products and in understanding and engaging the users of carbon monitoring information. Given the differing types of investigations solicited, NASA expects to fund a range of investigation sizes; however, Only in the most extraordinary of cases would NASA expect to see a single investigation's budget exceed $750K per year, averaged over its full duration. The maximum duration of awards is three years.

Contact: Diane Wickland, 202/358-0245, Diane.E.Wickland@nasa.gov
Solicitation number: NNH13ZDA001N-CMS

Ocean Biology and Biogeochemistry

This program focuses on describing, understanding, and predicting the biological and biogeochemical regimes of the upper ocean, as determined by observation of aquatic optical properties using remote sensing data, including those from space, aircraft, and other suborbital platforms. Overarching programmatic goals include: 1) Understanding and quantifying the impacts and feedbacks of Earth System processes, particularly oceanographic mechanisms, on the global and regional spatial and temporal variability of ocean biology and ecology, including phytoplankton and organisms from other trophic levels; 2) Understanding and quantifying the impacts and feedbacks of Earth System processes, particularly oceanographic mechanisms, on the global and regional spatial and temporal variability of ocean biogeochemistry, including carbon sources and sinks and the fate of other chemical species or components in the ocean; 3) Exploring the development of new biological, ecological, and biogeochemical observations beyond traditional ocean color (e.g., phytoplankton chlorophyll a) from space-based assets, as well as furthering the climate research enabled by existing time series of climate observations (Earth System Data Records); and 4) Improving future climate predictions (impacts and feedbacks) by incorporating a dynamic understanding of ocean biology, ecology, and biogeochemistry into global biogeochemical and ecological models to understand the ocean's role in the Earth System. Expected annual program budget for new awards is $500K over a period of up to 12-18 months.
Sea Level Rise

National Aeronautics and Space Administration

http://nspires.nasa.gov/external/viewrepositorydocument/cmdocumentid=349635/solicitationId=%7BC4EF398B-5353-2F6C-2F6C-BF6C-5353-2F6C-2F6C

Contact: Thomas Wagner, 202/358-4682, thomas.wagner@nasa.gov

Solicitation number: NNH11ZDA001N-SLR

This program is intended to integrate research results, data sets, and model output to improve the accuracy and spatial resolution of sea level change estimates, and communicate these results in a simplified manner to the scientific community and general public. It is focused on the following four subelements, chosen because these areas are critical to improved understanding of sea level change, but lack adequate support: 1) Sea level rise and its regional variation; 2) Improving knowledge of ice mass change; 3) New sea level datasets; and 4) A NASA Web portal for sea level change. The maximum award duration is three years with an expected first year budget of approximately $5M.

Advancing Collaborative Connections for Earth System Science

National Aeronautics and Space Administration

http://nspires.nasa.gov/external/viewrepositorydocument/cmdocumentid=349811/solicitationId=%7BB9C824963-9F3B-86D8-86D8-9F3B-86D8-9F3B-86D8

Contact: Stephen Berrick, 202/358-1757, HQ-ROSES-ACCESS@mail.nasa.gov

Solicitation number: NNH13ZDA001N-ACCESS

The primary objective of the Advancing Collaborative Connections for Earth System Science (ACCESS) program is to enhance, extend, and improve existing components of NASA’s distributed and heterogeneous data and information systems infrastructure. NASA’s Earth science data systems, comprised of both core and community elements, directly support agency science and applied science goals and objectives. ACCESS projects increase the interconnectedness and reuse of key information technology software and techniques underpinning the advancement of Earth science research. Program awards are intended to help bear the costs of technological deployment of needed tools and not be an ongoing funding source for the operations and maintenance of these tools. Proposal teams must include both information technology and Earth science experts, and proposals must be tied directly to Earth science and applied science investigations. Approximately $200K - $500K per year will be provided for each ACCESS award for a two year period of performance.

ROSES 2013 - NASA Energy and Water Cycle Study

National Aeronautics and Space Administration

http://nspires.nasa.gov/external/solicitations/summary.do?method=init&solId={DD5FFC60-6FBF-1DA2-2319-810DEC1107CE}

Contact: Jared Entin, 202/358-0275, Jared.K.Entin@nasa.gov

Solicitation number: NNH13ZDA001N-NEWS

The NASA Energy and Water Cycle Study (NEWS) grand challenge can be summarized as documenting and enabling improved, observationally based, predictions of water and energy cycle consequences of Earth system variability and change. This challenge requires documenting and predicting trends in the rate of the Earth’s water and energy cycling that corresponds to climate change and changes in the frequency and intensity of naturally occurring related meteorological and hydrologic events, which may vary as climate may vary in the future. This program solicits research for the following categories: 1) water extremes; 2) water and energy cycle climatology. The expected program budget for first year of new awards is $1.5M. The maximum duration of awards is three years.

Planetary Astronomy

National Aeronautics and Space Administration

http://nspires.nasa.gov/external/viewrepositorydocument/cmdocumentid=349417/solicitationId=%7BO0873168D-3782-9BFF-9BFF-3782-9BFF-3782-9BFF

Contact: Kelly Fast, 202/358-0768, kelly.e.fast@nasa.gov

Solicitation number: NNH13ZDA001N-PAST

This program includes support for both ground-based astronomical observations and suborbital investigations involving sounding rockets and balloons. Proposals are solicited for observations over the entire range of wavelengths from the ultraviolet to radio that contribute to the understanding of the general properties and evolution of the Solar System, its planets, their satellites, and of asteroids and comets. The maximum award duration is five years.
ROSES 2013 Planetary Geology and Geophysics
National Aeronautics and Space Administration
http://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid=302043/solicitationId=%7BE1E06F13-A899-98E1-8B3B-0D53A9085C8B&contactId=1169158
Contact: Michael Kelley, 202/358-0607, HQ-PGG@mail.nasa.gov
Solicitation number: NNH13ZDA001N-PGG
This program supports scientific investigations of planetary surfaces and interiors, satellites (including the Moon), satellite and ring systems, and smaller Solar System bodies, such as asteroids and comets. The goals of the PGG program are to foster the synthesis, analysis, and comparative study of data that will improve the understanding of the extent and influence of planetary geological and geophysical processes on the bodies of the Solar System. Supported research projects involve analysis and synthesis of existing data to investigate geological and geophysical processes and phenomena observed on natural objects within the Solar System. Approximately 23-27 awards with a maximum duration of four years will be made.

ROSES 2013: Astrobiology - Exobiology and Evolutionary Biology
National Aeronautics and Space Administration
http://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid=349447/solicitationId=%7B2040D2BD-3A79-B592-0D2D-1292D3A79B592
Contact: Michael New, 202/358-1766, HQ-EXO@mail.nasa.gov
Solicitation number: NNH13ZDA001N-EXO
The goal of this program is to understand the origin, evolution, distribution, and future of life in the Universe. Research is centered on the origin and early evolution of life, the potential of life to adapt to different environments, and the implications for life elsewhere. This research is conducted in the context of NASA’s ongoing exploration of our stellar neighborhood and the identification of biosignatures for in situ and remote sensing applications. The areas of research emphasis are: 1) Planetary Conditions for Life; 2) Prebiotic Evolution; 3) Early Evolution of Life and the Biosphere; 4) Evolution of Advanced Life; and 5) Exobiology for Solar System Exploration. Periods of performance range from one to four years.

ROSES 2013: Cryospheric Science
National Aeronautics and Space Administration
http://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid=349631/solicitationId=%7B42218985-CCE0-EF23-97B4-AF30A2EF2397B4
Contact: Thomas Wagner, 202/358-4682, thomas.wagner@nasa.gov
Solicitation number: NNH13ZDA001N-CRYO
This solicitation calls for proposals to understand the mechanisms of change in polar regions and their implications for global climate, sea level, and the polar environment. Proposed studies should use space-based, aircraft based, and other remote sensing techniques to understand the factors controlling the retreat and growth of the world’s major sea- and land-based ice sheets and their interactions with the ocean, atmosphere, solid Earth, and solar radiation. Field studies are considered if closely tied to remote sensing efforts. NASA is soliciting studies of (a) the Greenland and Antarctic ice sheets to understand the controls on their mass balance, and (b) the northern and southern hemisphere ice-covered oceans to determine their response to climate change. The maximum duration of awards is three years.

Planetary Atmospheres
National Aeronautics and Space Administration
http://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid=349419/solicitationId=%7B055F095B-5A7B-BECB-1292D3A79B592
Contact: Kelly Fast, 202/358-0768, kelly.e.fast@nasa.gov
Solicitation number: NNH13ZDA001N-PATM
This program supports scientific investigations that contribute to the understanding of the origins and evolution of the atmospheres of planets and their satellites and of comets. Its broad objectives include the determination of compositions, dynamics, energetics, and chemical behaviors of planetary atmospheres. Proposals for the analysis of atmospheric data from NASA space science missions that are calibrated and archived and in the public domain on the Planetary Data System are encouraged. The maximum award duration is five years, but shorter term proposals are encouraged.
**Physical Oceanography**

National Aeronautics and Space Administration

http://nspires.nasaprs.com/external/viewrepositoriedocument/cmdocumentid=349621/solicitationId=%7B22792180-E3BC-85CA-

Contact: Eric Lindstrom, 202/358-4540, eric.j.lindstrom@nasa.gov

Solicitation number: NNH13ZDA001N-PO

This program supports basic research and analysis activities that enable development of NASA's current and future physical oceanography satellite missions and the scientific interpretation of data from them. The two priority areas for proposals solicited through this announcement are: 1) Analysis and interpretation of the ocean circulation using satellite and in-situ data and 2) Development of new remote sensing techniques for physical oceanography. Programmatic priority will be given to those proposals making the strongest links to analysis of satellite data and addressing oceanographic problems at basin or global scale.

Total funds available for work selected under this solicitation are approximately $1.0M per year for three years.

**New (Early Career) Investigator Program in Earth Science**

National Aeronautics and Space Administration

http://nspires.nasaprs.com/external/viewrepositoriedocument/cmdocumentid=349807/solicitationId=%7BE757BD20-0401-C62D-

Contact: Ming-Ying Wei, 202/358-0771, mwei@nasa.gov

Solicitation number: NNH13ZDA001N-NIP

This program is designed to encourage the integration of Earth system research and education/outreach by scientists and engineers at the early stage of their professional careers. The program encourages scientists and engineers at academic and/or research institutions to develop a broader sense of responsibility for effectively contributing to the improvement of science education and public science literacy; it provides an opportunity for the investigators to develop partnerships and/or enhance their skills, knowledge, and ability to communicate the excitement, challenge, methods, and results of their work to teachers, students, and the public. The Earth Science Division places particular emphasis on the investigators’ ability to promote and increase the use of space-based remote sensing through the proposed research and education projects. All NIP proposals must contain both a research element that addresses one of these topical areas: 1) Carbon Cycle and Ecosystems; 2) Climate Variability and Change; 3) Water and Energy Cycle; 4) Atmospheric Composition; 5) Weather; and 6) Earth Surface and Interior. The awards have an approximate upper cap of $120K per year for a period of up to three years.

**Mars Fundamental Research**

National Aeronautics and Space Administration

http://nspires.nasaprs.com/external/viewrepositoriedocument/cmdocumentid=349437/solicitationId=%7B23E108E1-E2FF-D144-

Contact: Mitchell Schulte, 202/358-2127, Mitchell.D.Schulte@nasa.gov

Solicitation number: NNH13ZDA001N-MFRP

This program seeks to sponsor the best and most innovative scientific research concerning atmospheric, climatological, geologic, geophysical, and geochemical processes on Mars and offers opportunities for Mars research beyond those available from analyses of spacecraft data alone. The MFRP includes investigations that use: (i) theoretical and experimental studies, including laboratory studies of analog materials, to investigate the coupled atmospheric and geological systems on Mars; (ii) quantitative terrestrial field experiments that improve understanding of the in situ measurements that have been or that will be made on Mars; and (iii) any other innovative research activities that demonstrate relevance to NASA’s overarching goals for the scientific exploration of Mars. Maximum duration of awards is three years.
**Carbon Cycle Science**
National Aeronautics and Space Administration

http://nspires.nasaprs.com/external/viewrepositordocument/cmdocumentid=349615/solicitationId=%7B2EBEDEA0-817D-D317D-D318

Contact: Varies with research interest

Solicitation number: NNH13ZDA001N-CARBON

This announcement seeks proposals to improve understanding of changes in the distribution and cycling of carbon among the active land, ocean, and atmospheric reservoirs and how that understanding can be used to establish a scientific foundation for societal responses to global environmental change. This community plan informs U.S. research efforts on the global carbon cycle for the next decade. It is organized around three overarching questions: 1) How do natural processes and human actions affect the carbon cycle on land, in the atmosphere, and in the ocean?; 2) How do policy and management decisions affect the levels of the primary carbon-containing gases, carbon dioxide and methane, in the atmosphere?; and 3) How are ecosystems, species, and natural resources impacted by increasing greenhouse gas concentrations, the associated changes in climate, and by carbon management decisions? Maximum duration of award is three years.

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**National Archives and Records Administration (NARA)**

6/6/2013 Colonial and Early National Period Deadline
8/1/2013 New Republic through the Modern Era Draft (optional)
10/3/2013 New Republic through the Modern Era Final Deadline

**Publishing Historical Records**

National Archives and Records Administration

http://www.archives.gov/nhprc/announcement/publishing.html

Contact: 202/357-5010, nhprc@nara.gov

Solicitation number: PUBLISHING-201306

The Commission supports projects that publish historical documents important for the comprehension and appreciation of the history of the United States. The projects cover a broad sweep – from politics and the military to business history, reform efforts, and the arts. Produced under modern, rigorous documentary editing standards, Commission-sponsored documentary projects make important materials from all periods of American history more accessible and understandable today and for the future. This grant provides funding for two different categories: 1) Colonial and Early National Period, projects preparing publications whose documents fall predominantly prior to 1820; and 2) New Republic through the Modern Era, projects preparing publications whose documents fall predominantly after 1820.

6/11/2013 Final Deadline

**Digitizing Historical Records**

National Archives and Records Administration


Contact: Nancy Melley, 202/357-5452, nancy.melley@nara.gov

Solicitation number: DIGITIZING-201306

The National Historical Publications and Records Commission seeks proposals that use cost-effective methods to digitize nationally significant historical record collections and make the digital versions freely available online. Projects must make use of existing holdings of historical repositories and consist of entire collections or series. The materials should already be available to the public at the archives and described so that projects can re-use existing information to serve as metadata for the digitized collection. To make these projects as widely useful as possible for archives, historical repositories, and researchers, the applications must demonstrate: 1) The national significance of the collections or records series to be digitized; 2) An effective work flow that repurposes existing descriptive material, rather than creating new metadata about the records; 3) Reasonable costs and standards for the project as well as sustainable preservation plans for the resulting digital records; and 4) Well-designed plans that evaluate the use of the digitized materials and the effectiveness of the methods employed in digitizing and displaying the materials. A grant normally is for one to three years and up to $150K. Cost sharing is required.
Electronic Records Projects
National Archives and Records Administration

Contact: Nancy Melley, 202/357-5452, nancy.melley@nara.gov
Solicitation number: ELECTRONIC-201306

The National Historical Publications and Records Commission seeks proposals that will increase the capacity of archivists and archival repositories to create electronic records archives that preserve records of enduring historical value. The NHPRC supports efforts by archivists and records managers to meet the challenges of electronic records. Projects to increase repository capacity must involve institutions that have already established archives and records management programs. NHPRC seeks applications in the following categories: 1) Start-up projects: Develop the capacity of institutions to prepare to capture and preserve electronic records, through program planning; 2) Collaborative projects: Establish and/or improve electronic records archives by engaging in effective and innovative collaborations; and 3) Electronic Records Professional Development projects: Develop and offer professional education curricula, basic and advanced institutes, or research seminars. Projects in this program cannot digitize historical records. Applicants who wish to digitize records should refer to the Digitizing Historical Records announcement. A grant normally is for one to three years and up to $200K. Cost sharing is required.

National Endowment for the Humanities (NEH)

6/12/2013  Full Proposal

Bridging Cultures through Film - International Topics
National Endowment for the Humanities
http://www.neh.gov/grants/public/bridging-cultures-through-film-international-topics

Contact: 202/606-8269, publicpgms@neh.gov
Solicitation number: 20130612-TW

This program supports documentary films that examine international and transnational themes in the humanities. These projects are meant to spark Americans’ engagement with the broader world by exploring countries and cultures outside of the United States. Proposed documentaries must be analytical and deeply grounded in humanities scholarship. NEH invites a wide range of approaches to international and transnational topics and themes, such as: 1) an examination of a critical issue in ethics, religion, literature, or history, viewed through an international lens; 2) an exploration of a topic that transcends a single nation-state; 3) a biography of a foreign leader, writer, artist, or historical figure; or 4) an exploration of the history and culture(s) of a specific region, country, or community outside of the United States. Awards are for one to three years and for up to $75K for development and up to $800K for production.

6/27/2013  Application

Humanities Initiatives at Historically Black Colleges and Universities
National Endowment for the Humanities

Contact: 202/606-8471, hi@neh.gov
Solicitation number:

NEH Humanities Initiatives are intended to strengthen and enrich humanities education and scholarship at Historically Black Colleges and Universities. For the 2013 competition, NEH is particularly interested in proposals in the following categories: 1) humanities connections to professional training (in such fields as business, law, economics, technology, medicine, and nursing); 2) languages; 3) humanities projects that address the interests of American military veterans; and 4) projects that respond to NEH’s Bridging Cultures initiative. Successful applicants for NEH Humanities Initiatives may be awarded up to $100K for a grant period of twelve to thirty-six months.
Humanities Initiatives at Tribal Colleges and Universities

National Endowment for the Humanities


Contact: 202/606-8471, hi@neh.gov

Solicitation number:

NEH Humanities Initiatives are intended to strengthen and enrich humanities education and scholarship at Tribal Colleges and Universities. For the 2013 competition, NEH is particularly interested in proposals in the following categories: 1) humanities connections to professional training (in such fields as business, law, economics, technology, medicine, and nursing); 2) languages; 3) humanities projects that address the interests of American military veterans; and 4) projects that respond to NEH’s Bridging Cultures initiative. Successful applicants for NEH Humanities Initiatives may be awarded up to $100K for a grant period of twelve to thirty-six months.

Humanities Collections and Reference Resources

National Endowment for the Humanities, Division of Preservation and Access


Contact: 202/606-8570, preservation@neh.gov

Solicitation number: 20130718-PW

This program supports projects that provide an essential underpinning for scholarship, education, and public programming in the humanities. Funding from this program strengthens efforts to extend the life of materials such as collections of books and manuscripts, photographs, sound recordings, archaeological and ethnographic artifacts, and digital objects, and make their intellectual content widely accessible, often through the use of digital technology. Awards are also made to create various reference resources that facilitate use of cultural materials, from works that provide basic information quickly to tools that synthesize and codify knowledge of a subject for in-depth investigation. In most cases, grants cover no more than 50% to 67% of project costs. The maximum award for implementation projects is $350K, for up to three years. The maximum award for Foundations projects is $40K for up to two years.

National Institutes of Health (NIH)

Ongoing

Research Supplements to Promote Diversity in Health-Related Research

National Institutes of Health, Cross-Institute

http://grants.nih.gov/grants/guide/pa-files/PA-12-149.html

Contact: Varies with research interest

Solicitation number: PA-12-149

NIH and the Centers for Disease Control and Prevention (CDC) hereby notify Program Director(s)/Principal Investigator(s) (PD(s)/PI(s)) holding specific types of NIH research grants, listed in the full 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 in health-related research. This supplement opportunity is also available to PD(s)/PI(s) of research grants who become disabled and need additional support to accommodate their disability in order to continue to work on the research project. Administrative supplements must support work within the scope of the original project. Applications can be received at any time until the final deadline. The deadline varies with research interest. Direct costs for individual administrative supplements vary from less than $5K to more than $100K depending on the career level of the candidate.
Pilot Projects on Sports-Related Brain and Spinal Cord Injury (R03)
National Institutes of Health, Cross-Institute
Contact: Varies with research interest
Solicitation number: RFA-NS-13-015

Sports-related TBI is a major public health concern. Diagnostic tools and consensus treatment guidelines exist for return to play and other activities, but they are almost completely unsupported by an evidence base. In addition, risk factors for poor outcomes are unknown. Sports-related SCI, although less common, can lead to catastrophic, life-long disability and further research is also warranted to minimize risk and improve outcomes. The scope of the FOA is intentionally broad to address the myriad gaps in our knowledge and enable a wide range of scientific experts within and outside of the sports medicine field to submit an application. The effects of single and repetitive neurotrauma are both of interest, as well as research studies on risk factors including neurodevelopmental stage, the development of age appropriate biomarker and diagnostic tools, and preclinical interventions to prevent or attenuate injury or promote neural plasticity. The goal of this initiative is to enhance research on sports-related traumatic brain injury (TBI) and spinal cord injury (SCI) by providing an opportunity for investigators to submit applications for pilot or feasibility studies. The combined budget for direct costs for the two year project period may not exceed $100K. No more than $50K in direct costs may be requested in any single year. This FOA runs in parallel with another FOA of identical scientific scope, RFA-NS-13-014, which utilizes the R21 Exploratory/Developmental Research Grant Award.

Collaborative Research on Chronic Traumatic Encephalopathy and Delayed Effects of Traumatic Brain Injury - Neur
National Institutes of Health, National Institute of Biomedical Imaging and Bioengineering (NIBIB), National Institute of Neurology
Contact: Varies with research interest
Solicitation number: RFA-NS-13-013

The purpose of this initiative is to support a multicenter team of neuropathologists, neurologists, neuroimagers, and other scientific experts to increase our understanding of chronic traumatic encephalopathy (CTE) and other delayed effects of physical trauma to the brain. The research objectives are to: 1) more fully characterize the neuropathology associated with chronic traumatic encephalopathy (CTE) and the delayed effects of TBI using existing and/or new biospecimens; 2) identify neuroimaging signatures of the neuropathology as a foundation for the development of in vivo diagnostic tools; 3) establish a brain-donor program that will link high quality behavioral information with neuropathology from an unbiased sample and distribute biospecimens and other relevant information to qualified investigators; 4) promote data and tissue sharing to maximize the value of the brain donation; and 5) estimate the incidence and prevalence of CTE and posttraumatic neurodegeneration. Application budgets are not limited, but need to reflect the actual needs of the proposed project. The maximum project period is five years.

The NEI Mentored Clinical Scientist Development Program Award (K12) - Limited Submission
National Institutes of Health
Contact: Neeraj Agarwal, 301/451-2020, agarwalnee@mail.nih.gov
Solicitation number: PAR-12-002

The purpose of the NEI Mentored Clinical Scientist Development Program Award (K12) is to support the career development of vision clinical scientists who have made a commitment to independent vision research careers. An increase in the number of well-trained researchers is necessary to reach a critical mass of clinical scientists capable of translating recent basic science advances in order to enhance patient treatment and to advance scientific momentum in the field. The objectives of this FOA are to 1) increase the number of clinical investigators who are trained in vision sciences research, 2) facilitate and improve the mentoring of this new group of clinician scientists, and 3) bring new scientific expertise to vision related research. The expected outcomes of this initiative will be 1) an increase in the number of clinician scientist research leaders who will apply for and obtain independent funding support, and 2) an increased number of multidisciplinary research teams led by junior investigators or investigators new to vision research related fields. Total Direct Costs are limited to $1.125M per year for up to five years.
Small Grants for New Investigators to Promote Diversity in Health-Related Research (R03)

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PAR-13-074

The purpose of this FOA is to provide support for New Investigators from backgrounds nationally underrepresented in biomedical research to conduct small research projects in the scientific mission areas of the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Institute of Mental Health (NIMH) and the Office of Dietary Supplements (ODS). The scientific mission areas of the Institutes and Office are: NIDDK – diabetes, endocrinology, metabolism, digestive diseases, hepatology, obesity, nutrition, kidney, urology, or hematology; NIMH – factors contributing to mental disorders, the trajectories of mental disorders, pre-emption and treatment of mental disorders, identify and improve interventions for mental illness; and ODS – all types of research in which the primary emphasis is the investigation of dietary supplements and/or their ingredients. The total direct costs for this FOA are limited to $125K per year for up to three years.

Differentiation and Integration of Stem Cells (Embryonic and Induced-Pluripotent) Into Developing or Damaged Tis

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


Contact: Mahua Mukhopadhyay, 301/435-6886, mukhopam@mail.nih.gov

Solicitation number: PAR-13-095

This FOA promotes in vivo studies of stem cells in animal models and in humans (if applicable) to better understand how stem cells function within developing or damaged tissues. The areas of emphasis would include systematically profiling and cataloging changes at genetic and epigenetic levels that take place in stem cells and their microenvironment. The purpose is to gain in-depth knowledge of the mechanisms involved in: progressive differentiation of Embryonic Stem Cells (ESCs) into embryonic lineages, progenitor cells and specialized cell types; adult stem cells/progenitor cells during tissue regeneration and wound healing; and Induced Pluripotent Stem Cells (iPSCs) at the site of injury during stem cell therapy. The research proposed under this announcement can explore approaches and concepts new to this area, development of new technologies, or initial research and development of data upon which significant future research may be built. Direct costs are limited to $275K over a two-year period, with no more than $200K in direct costs allowed in any single year. This FOA runs in parallel with another FOA of identical scientific scope, PAR-13-094, which utilizes the R01 Research Project Grant mechanism.

High Impact Neuroscience Research Resource Grants (R24)

National Institutes of Health, National Institute of Neurological Disorders and Stroke (NINDS)


Contact: Edmund Talley, 301/496-1917, TalleyE@mail.nih.gov

Solicitation number: RFA-NS-13-009

This FOA supports high impact efforts to provide resources for neuroscience research. Projects should address compelling needs of broad communities of neuroscience researchers or should offer unique services that otherwise would be unavailable. Applications can propose new tools, reagents or services, innovative approaches to scaling and/or economizing existing resources, or introduction of resources to wider user groups. Projects responsive to this FOA should engage one or more of the following types of activities: 1) Propagation of newly developed, cutting edge reagents or techniques that are not widely available or easily obtained; 2) Broadening the impact of important existing resources by bringing them to new user groups for whom access would not otherwise be available; and 3) Innovative approaches to increase the scale and efficiency of existing valuable resources. Applications must propose a plan designed to have a substantial impact on the quality of neuroscience research by virtue of the provided resources. Support may be requested for an average direct cost of up to $175K per year, with no more than $350K direct cost in any given year, for up to four years.
Technologies for Healthy Independent Living (R01)
National Institutes of Health, Cross-Institute
Contact: Varies with research interest
Solicitation number: PAR-11-020
This FOA encourages applications for research and development of technologies that monitor health or deliver care in a real-time, accessible, effective, and minimally obtrusive way. These systems are expected to integrate, process, analyze, communicate, and present data so that the individuals are engaged and empowered in their own healthcare with reduced burden to care providers. This FOA runs in parallel with PAR-11-020, which solicits applications under the R21 Exploratory/Developmental Grant.

NEI Genomic Research Grant on Integrative Data Analysis for Vision Research (R01)
National Institutes of Health, National Eye Institute (NEI)
Contact: Hemin Chin, 301/451-2020, hemin@nei.nih.gov
Solicitation number: RFA-EY-11-001
This FOA encourages the submission of applications proposing integrative and in-depth analyses of existing large-scale genetic and genomic data sets relevant to the NEI mission, as well as the development of novel bioinformatics approaches and innovative computational tools to interpret these data sets. Applicants are particularly encouraged to propose integrative analysis of existing large-scale, high-throughput data sets generated by utilizing advanced genomic technologies and combined analysis of multiple data sets obtained with other high dimensional technologies such as imaging, if feasible. This FOA will not support the collection of additional data; only existing data sets may be used. Applicants may request up to $250K annual direct costs for up to three years.

Revisions for Early-Stage Development of Informatics Technology (R01)
The purpose of this FOA is to encourage revision applications (formerly called "competing revisions") from currently funded NCI R01 and R37 (MERIT) research projects for early-stage development of enabling informatics technologies to improve the acquisition, management, analysis, and dissemination of data and knowledge. As a component of the NCI’s Informatics Technology for Cancer Research (ITCR) Initiative, this FOA aims to promote interdisciplinary collaboration in the development of innovative computational methods and informatics approaches that are essential for cancer research on all fronts to accelerate scientific discovery and ultimately translate data into knowledge and clinical practice. Applications that focus on data processing and analysis or mathematical/statistical modeling alone without new technology development are not appropriate for this FOA. This FOA encourages applications that involve the development of innovative and user-friendly informatics technologies of significant value to the whole spectrum of cancer research from bench to bedside. The emphasis will be on novelty, uniqueness, and potential impact to the parent project and the broader cancer research field. The amount of requested budget may not exceed $150K Direct Costs per year for up to two years. This FOA runs in parallel with FOAs of identical scientific scope: 1)PAR-12-289, which utilizes the U01 Research Project – Cooperative Agreements mechanism; 2) PAR-12-290, which utilizes the P01 Program Project Grant mechanism; 3) PAR-12-288, which utilizes the U01 Research Project - Cooperative Agreements mechanism; and 4) PAR-12-287, which utilizes the U24 Resource-Related Research Projects - Cooperative Agreements mechanism.
Advanced Development of Informatics Technology (U24)

National Institutes of Health, National Cancer Institute (NCI)


Contact: Varies with research interest

Solicitation number: PAR-12-287

The purpose of this FOA is to invite Cooperative Agreement (U24) applications for advanced development and enhancement of emerging informatics technologies to improve the acquisition, management, analysis, and dissemination of data and knowledge in cancer research. An emerging informatics technology is defined as one that has passed the initial prototyping and pilot development stage, has demonstrated potential to have a significant and broader impact, has compelling reasons for further improvement and enhancement, and has not been widely adopted in the cancer research field. 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 is one component of the NCI's Informatics Technology for Cancer Research (ITCR) Initiative whose central mission is to promote research-driven informatics technology development. Potential applicants who are interested in early-stage development should consult companion FOAs listed on the previous page.

Applications that focus on informatics data processing and analysis or mathematical/statistical modeling alone without informatics technology development are not appropriate for this FOA. The amount of requested budget may not exceed $500K Direct Costs (excluding consortium F&A costs) per year for up to five years. This FOA runs in parallel with FOAs of identical scientific scope: 1) PAR-12-286, which utilizes the R01 Research Project Grant mechanism; 2) PAR-12-289, which utilizes the U01 Research Project - Cooperative Agreements mechanism; 3) PAR-12-290, which utilizes the P01 Program Project Grant mechanism; and 4) PAR-12-288, which utilizes the U01 Research Projects - Cooperative Agreements mechanism.

Early-Stage Development of Informatics Technology (U01)

National Institutes of Health, National Cancer Institute (NCI)


Contact: Varies with research interest

Solicitation number: PAR-12-288

The purpose of this FOA is to invite Cooperative Agreement (U01) applications for the development of enabling informatics technologies to improve the acquisition, management, analysis, and dissemination of data and knowledge in cancer research. As a component of the NCI’s Informatics Technology for Cancer Research (ITCR) Initiative, this FOA focuses on early-stage development from prototyping to hardening and adaptation. The central mission of the ITCR is to promote research-driven informatics technology development. In order to be successful, proposed development plans must have a clear rationale on why the proposed technology is needed and how it will benefit the cancer research community. In addition, mechanisms to solicit feedback from users and collaborators throughout the development process should be included. Applications that focus on data processing and analysis or mathematical/statistical modeling alone without new technology development are not appropriate for this FOA. The amount of requested budget may not exceed $250K Direct Costs (excluding consortium F&A costs) per year for up to three years. This FOA runs in parallel with FOAs of identical scientific scope: 1) PAR-12-286, which utilizes the R01 Research Project Grant mechanism; 2) PAR-12-289, which utilizes the U01 Research Project - Cooperative Agreements mechanism; 3) PAR-12-290, which utilizes the P01 Program Project Grant mechanism; and 4) PAR-12-287, which utilizes the U24 Resource-Related Research Projects - Cooperative Agreements mechanism.
Collaborative Research in Integrative Cancer Biology (U01)
National Institutes of Health, National Cancer Institute (NCI)
Contact: Jennifer Couch, 301/435-5226, couchj@mail.nih.gov
Solicitation number: PAR-13-184
The purpose of this FOA is to encourage new research into integrative cancer biology by fostering collaborations between investigators currently supported through the Integrative Cancer Biology Program (ICBP) and those currently unaffiliated with the ICBP. These collaborative projects should leverage the existing expertise and resources from within the ICBP research community and combine those with new approaches, technologies or methods to address compelling cancer questions. Therefore, the proposed research projects must involve partnerships between investigators currently supported by ICBP and investigators currently unaffiliated with the program. Application budgets are not limited, but need to reflect the actual needs of the proposed project. The maximum project period is five years.

Specialized Programs of Research Excellence (SPORES) in Human Cancer for Years 2013 and 2014 (P50)
National Institutes of Health, National Cancer Institute (NCI), National Institute of Dental and Craniofacial Research (NIDCR), Nati
Contact: Varies with research interest
Solicitation number: PAR-12-296
This program will fund 5-year P50 SPORE grants to support state-of-the-art investigator-initiated translational research that will contribute to improved prevention, early detection, diagnosis, and treatment 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 shared resource core facilities (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 focused upon knowledge of human biology stemming from research using cellular, molecular, structural, biochemical, and/or genetic experimental approaches with the goal of a translational human endpoint within the 5 year term of the grant. In addition, SPOREs must include both a Developmental Research Program for pilot studies and a Career Development Program to foster careers in organ-based translational science. Applicants may request a maximum of $2.5M total costs per year for up to five years.

Planning for a National Center for Particle Beam Radiation Therapy Research (P20)
National Institutes of Health, National Cancer Institute (NCI)
Contact: James Deye, 301/496-6111, deyej@nih.gov
Solicitation number: PAR-13-096
This FOA encourages and supports planning efforts for establishing a center for Particle Beam Radiation Therapy (PBRT) Research. The Center must be planned to operate as a research center adjunct to an independently created and funded, sustainable clinical facility for PBRT. Ultimately, the proposed Center is expected to perform clinically relevant research using proton and heavier ion beams (including but not necessarily limited to carbon beams). The goal of this FOA is to provide the awardees with funding to enable inclusion of necessary resources (expertise or facilities) to carry out basic, translational, and clinical research complementary to a clinical PBRT facility. Applications may request a maximum annual budget of $500K total costs for a project period of up to two years.
Indo-US Collaborative Program on Low-Cost Medical Devices (R03)

National Institutes of Health, Cross-Institute, Eunice Kennedy Shriver National Institute of Child Health and Human Development


Contact: Varies with research interest

Solicitation number: PAR-11-044

The purpose of this program is to encourage collaborative research and/or technology development between scientists and engineers in the United States and India. This FOA encourages Small Research Grant (R03) applications for its program on the collaborative development of low-cost medical devices; the Republic of India and the United States of America are inviting collaborative research projects involving U.S. and Indian investigators to develop new, low cost, appropriate diagnostic and therapeutic medical technologies for low-resource settings. The goal of this FOA is to: 1) Foster joint activities between US and Indian scientists on low-cost, diagnostic and therapeutic technologies; and 2) Address medical needs in low-resource settings, and take advantage of opportunities and technological advances, with the development of appropriate, low-cost medical devices. Budgets for direct costs of up to $75K per year and a project duration of up to two years may be requested for a maximum of $150K direct costs over a two-year project period.

Development of Bio-relevant In-vitro Assay to Determine Labile Iron in the Parenteral Iron Complex Product (U01)

National Institutes of Health


Contact: Wenlei Jiang, 240/276-8607, wenlei.jiang@fda.hhs.gov

Solicitation number: RFA-FD-13-017

The objectives of this study are to evaluate various in-vitro methods of determining labile iron in the parenteral iron complex formulations and develop a bio-relevant in-vitro method to predict the amount of NTBI in vivo. Such a predictive in-vitro method will allow for linkage of FDA’s equivalence standards to in vivo performance. Budgets should not exceed $500K in total costs over a maximum project period of one year.

NIDDK Program Project Applications (P01)

National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)


Contact: Varies with research interest

Solicitation number: PAR-11-043

This FOA invites submission of investigator-initiated Program Project Applications. The proposed programs should address scientific areas relevant to the NIDDK mission including diabetes, endocrine and metabolic diseases, digestive diseases and nutrition, and kidney, urologic and hematologic diseases, as well as new approaches to prevent, treat and cure these diseases, including clinical research. Applications must have budgets greater than or equal to $500K in direct costs per year. New (Type 1) and renewal (Type 2) program project applications cannot request more than $6.25M in direct costs over the maximum project period of five years.

NIA Program Project Applications (P01)

National Institutes of Health, National Institute on Aging (NIA)


Contact: Robin Barr, 301/496-9322, BarrR@mail.nih.gov

Solicitation number: PAR-11-066

This FOA invites the submission of investigator-initiated program project (P01) applications relevant to the NIA mission. Each P01 submitted in response to this FOA must include at least three related research projects that share a common central theme, focus, and/overall objective. The maximum project period is five years. The companion FOA is PAR-10-284, National Institute on Aging: Revision Requests for Active Program Projects (P01).
**Genomic Resource Grants for Community Resource Projects (U41)**

National Institutes of Health, National Human Genome Research Institute (NHGRI)


Contact: Varies with research interest

Solicitation number: PAR-11-095

This FOA encourages applications for the development and support of genomic resources that will be available to and valuable for the broad research community. Such resources include (but are not limited to) informatics resources such as model organism databases and ontologies, comprehensive collections of genomic features (such as structural variants), and collections of physical resources (such as samples and cDNA clone banks). The maximum project period is five years.

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

National Institutes of Health, National Institute of Mental Health (NIMH)


Contact: Varies with research interest

Solicitation number: PAR-11-126

NIMH seeks teams of researchers working at different levels of analysis and employing integrative, novel, and creative experimental approaches to address high-risk, high-impact questions with the primary objective of: a) advancing the state of the science in brain and behavior research that provides the foundation for understanding mental disorders relevant to mental health; b) supporting the integration and translation of basic and clinical neuroscience research on severe mental illnesses; and/or c) advancing our understanding of the neurobehavioral developmental mechanisms and trajectories of psychopathology that begin in childhood and adolescence. This program is intended only for projects that could not be achieved using other, more standard grant mechanisms. Total costs are limited to $2M in any one year.

**Science Education Drug Abuse Partnership Award (R25)**

National Institutes of Health, National Institute on Drug Abuse (NIDA)


Contact: Cathrine Sasek, 301/443-6071, csasek@nih.gov

Solicitation number: PAR-10-227

This FOA encourages Science 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 neurobiological mechanisms of drug abuse and addiction among K-12 students, the general public, health care practitioners, museums, media experts, and other educational groups. The award provides support for the formation of partnerships between scientists and educators, media experts, community leaders, and other interested organizations. The intended focus is on topics not well addressed in existing efforts by educational, community, or media activities. Direct costs are limited to $250K per year for a maximum project period of four years.

**NIDA Program Project Grant Applications (P01)**

National Institutes of Health, National Institute on Drug Abuse (NIDA)

http://grants.nih.gov/grants/guide/pa-files/PAR-10-244.html

Contact: Varies with research interest

Solicitation number: PAR-10-244

This FOA is to provide support for applications that propose broadly based investigative efforts with a well defined central focus or object to address critical issues in drug abuse and addiction involving neuroscience, behavior, prevention, treatment, epidemiology, etiology, health services, HIV/AIDS or other drug abuse-related research areas. There should be evidence that a program project grant is essential for the accomplishment of the research activities. Applicants may request support for up to five years.
NICHD Program Project Grant (P01)
National Institutes of Health, Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
Contact: Varies with research interest
Solicitation number: PAR-10-245
This FOA encourages innovative, multidisciplinary, interactive, and synergistic program project grant applications that propose to conduct research on reproductive, developmental, behavioral, social, and rehabilitative processes that determine the health or functioning of newborns, infants, children, adults, families, and populations. For new applications, the first-year cap is $750K direct costs, with a cumulative cap of $4M direct costs over a five-year period.

Support of NIGMS Program Project Grants (P01)
National Institutes of Health, National Institute of General Medical Sciences (NIGMS)
Contact: Ann Hagan, 301/451-6446, hagana@nigms.nih.gov
Solicitation number: PAR-11-220
This FOA encourages program project grant applications that propose to conduct research which aims to solve a significant biological problem, important for the mission of NIGMS, through a collaborative approach involving outstanding scientists who might not otherwise collaborate. The program project grant mechanism is designed to support research in which the funding of several interdependent projects as a group offers significant scientific advantages over support of these same projects as individual regular research grants. An upper limit of $6.5M direct costs for the entire five-year project period may be requested.

NHLBI Program Project Applications (P01)
National Institutes of Health, National Heart, Lung, and Blood Institute (NHLBI)
Contact: Varies with research interest
Solicitation number: PAR-10-285
This FOA invites submission of investigator-initiated Program Project (P01) applications. The proposed programs may address scientific areas relevant to the NHLBI mission including the biology and diseases of the heart, blood vessels, lung, and blood; blood resources; and sleep disorders. Each P01 application submitted in response to this FOA must include at least three related research projects that share a common central theme, focus, and/or overall objective. Applicants may request support for up to five years. Direct costs for new awards may be requested for up to $1.515M.

National Institutes of Health, National Center for Research Resources (NCRR)
Contact: John Harding, 301/435-0744, hardingj@mail.nih.gov
Solicitation number: PAR-10-289
This FOA encourages Resource Related Research Project grant applications (R24) aimed at developing, characterizing, or improving animal models of human diseases or improving diagnosis and control of diseases of laboratory animals. The animal models and related materials to be developed must address the research interests of two or more of the categorical NIH Institutes and Centers. The maximum project period is four years.
Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (Parent T32)
National Institutes of Health, Cross-Institute


Contact:  Varies with research interest

Solicitation number:  PA-11-184

The 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 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. Because of the differences in individual Institute and Center (IC) program requirements for this FOA, prospective applicants MUST consult the Table of IC-Specific Information, Requirements and Staff Contacts (http://grants.nih.gov/grants/guide/contacts/parent_T32.html), to make sure that their application is appropriate for one of the participating NIH ICs. Prior consultation with NIH staff is strongly encouraged.

Ruth L. Kirschstein National Research Service Award Short-Term Institutional Research Training Grants (Parent T35)
National Institutes of Health, Cross-Institute


Contact:  Varies with research interest

Solicitation number:  PA-11-185

The NIH will award Ruth L. Kirschstein National Research Service Award (NRSA) Short-Term Institutional Research Training Grants (T35) to eligible institutions to develop or enhance research training opportunities for predoctoral and postdoctoral level individuals interested in careers in biomedical, behavioral and clinical research. Many of the NIH Institutes and Centers (ICs) use this grant mechanism exclusively to support intensive, short-term research training experiences for students in health professional schools during the summer. In addition, the Short-Term Institutional Research Training Grant may be used to support other types of predoctoral and postdoctoral training in focused, often emerging scientific areas relevant to the mission of the funding IC. The proposed training must be in basic, behavioral or clinical research aspects of the health-related sciences. Because of the differences in IC program requirements for this FOA, prospective applicants MUST consult the Table of IC-Specific Information, Requirements and Staff Contacts (http://grants.nih.gov/grants/guide/contacts/parent_T35.html), to make sure that their application is appropriate for one of the participating NIH ICs. Prior consultation with NIH staff is strongly encouraged.

NINDS Program Project Grant (P01)
National Institutes of Health, National Institute of Neurological Disorders and Stroke (NINDS)


Contact:  Alan Willard, 301/496-9248, aw135y@nih.gov

Solicitation number:  PAR-11-172

This FOA enables submission of program project grant applications that propose to conduct innovative, interactive research to answer significant scientific questions that are important for the mission of NINDS, via a synergistic collaboration between outstanding scientists who might not otherwise collaborate. The program project grant mechanism is designed to support research in which the funding of several interdependent highly meritorious projects as a group offers significant scientific advantages over support of these same projects as individual research grants. The maximum project period for these awards is five years.
**Alcohol Education Project Grants (R25)**

National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism (NIAAA)


Contact: Peggy Murray, 301/443-2594, pmurray@mail.nih.gov

Solicitation number: PAR-11-205

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. Direct costs are limited to $250K per year for two years.

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

National Institutes of Health, National Institute of General Medical Sciences (NIGMS)


Contact: Irene Eckstrand, 301/594-0943, eckstrai@mail.nih.gov

Solicitation number: PA-11-351

This FOA encourages applications for Research Education Grants (R25) 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 FOA is not intended for university courses or curriculum development. Budgets for direct costs of up to $200K per year for a maximum duration of five years may be requested.

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

National Institutes of Health, National Cancer Institute (NCI)


Contact: 301/496-3428, ncirefof@dea.nci.nih.gov

Solicitation number: PAR-12-005

This FOA 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. The maximum project period is five years.

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**NIA MSTEM - Advancing Diversity in Aging Research (ADAR) through Undergraduate Research (R25)**

National Institutes of Health, National Institute on Aging (NIA)


Contact: J. Taylor Harden, 301/496-0765, Hardent@mail.nih.gov

Solicitation number: PAR-12-016

This FOA encourages institutional Research Education Grant (R25) applications from institutions that propose creative and innovative research education programs to diversify the workforce in aging by (1) supporting undergraduate competency and completion in medicine, science, technology, engineering and mathematics (MSTEM), as they relate to aging and, also, by (2) application and transition to graduate study that advances a cadre of students from diverse backgrounds into NIA MSTEM fields. The interests of the NIA span biological, biomedical, behavioral, clinical and social sciences research across the lifespan with a focus on processes of aging through midlife and into old age. Direct costs of up to $350K per year over a maximum of five years may be requested. Three to four awards will be made.
Cancer Education Grants Program (R25)
National Institutes of Health, National Cancer Institute (NCI)
Contact: Erica Rosemond, 301/496-8580, rosemonde@mail.nih.gov
Solicitation number: PAR-12-049
The purpose of this FOA is to support innovative educational efforts that would help to reduce cancer incidence, morbidity, and mortality, and that would improve the quality of life of cancer patients. The maximum project period is five years.

Network and Infrastructure Support for Development of Interdisciplinary Aging Research (R24)
National Institutes of Health, National Institute on Aging (NIA)
Contact: Winifred Rossi, 301/496-3836, rossiw@mail.nih.gov
Solicitation number: PA-12-064
The purpose of this FOA is to provide network and infrastructure support to foster development of novel interdisciplinary research approaches on important topics in aging research. This FOA will use the NIH Resource-Related Research Project (R24) mechanism to facilitate research networks that will advance specific scientific goals through activities such as meetings, conferences, small scale pilots, short term training opportunities, visiting scholar programs, and dissemination activities to encourage growth and development in these interdisciplinary areas. A project period of five years may be requested.

NIAID Science Education Awards (R25)
National Institutes of Health, National Institute of Allergy and Infectious Diseases (NIAID)
Contact: Diane Adger-Johnson, 301/402-8969, da15a@nih.gov
Solicitation number: PAR-11-086
This FOA encourages applications from organizations that focus on the development of science education for K-12 students. It is expected that these education programs will provide outreach to a large audience of students at a national level, directly or through their teachers, using approaches where successes can be measured. The overall goals of the NIAID in developing science literacy enhancing education programs are: 1) to provide and increase public education and outreach on NIAID-funded research to diverse audiences; 2) to raise awareness of scientific method and the availability of careers in the biomedical sciences among K-12; and 3) to encourage the integration of the NIAID scientific mission areas as stated in our strategic plan in the day-to-day teaching of science at the K-12 level in the hope that the public at large will understand and appreciate the work of NIAID more fully. NIAID accepts R25 applications that propose new methods of training and curriculum development for K-12 teachers and/or students using innovative approaches with an 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. NIAID will seek applications that can provide evaluation of measureable outcomes for K-12 student education programs and teacher professional development. The NIH encourages all proposed programs to foster the participation of individuals from a diverse population base that include the participation of individuals currently underrepresented in the biomedical, clinical, behavioral, and social sciences such as persons from underrepresented racial and ethnic groups individuals from disadvantaged backgrounds (socially, culturally, and economically), individuals with disabilities, and persons from underserved communities. Total direct costs are limited to $175K annually for up to five years.
**NIDDK Education Program Grants (R25)**

National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)


Contact: Varies with research interest

Solicitation number: PAR-12-047

This FOA encourages Research Education (R25) grant applications from applicant organizations that propose to create educational opportunities for undergraduate students, graduate students, and postdoctoral fellows in areas of biomedical or behavioral research of particular interest to the NIDDK, while fostering the career development of these students and fellows. The structure of the educational opportunity can include an intensive summer research program, a curriculum-based program or a combination of both experiences. 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. Budgets for direct costs of up to $100K per year and a project duration of up to five years may be requested for a maximum of $500K direct costs over a five-year project period.

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**Initiative to Maximize Research Education in Genomics - Courses (R25)**

National Institutes of Health, National Human Genome Research Institute (NHGRI)


Contact: Bettie Graham, 301/496-7531, bettie_graham@nih.gov

Solicitation number: PAR-13-012

NHGRI invites R25 applications to support short-term, advanced courses that are intended to disseminate, to a larger scientific audience, new techniques, methods, or analyses related to the mission of the NHGRI. Genomics has stimulated and continues to stimulate the development of powerful new techniques, methods and analyses, and biomedical research would benefit from the rapid, widespread dissemination of these methods to the larger biomedical research community. Applications are encouraged for courses designed to address either of these needs. Courses designed to cross-train genomic researchers and ELSI scholars are particularly encouraged. Course offerings should be targeted to individuals in careers at the doctoral level and beyond; are expected to be hosted by academic or research institutions where the staff and faculty are experienced in training; should include as faculty established investigators or scholars actively working in the area of instruction; and should typically be two weeks or less in length and offered annually, although other terms may be acceptable. For Short-Term Advanced Courses, it is expected that applications will not exceed $50K in direct costs for a period of up to three years.

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**Predoctoral Training Program in the Neurosciences (T32) - Limited Submission**

National Institutes of Health

http://grants.nih.gov/grants/guide/pa-files/PAR-12-084.html

Contact: Varies

Solicitation number: PAR-12-084

The Jointly Sponsored NIH Predoctoral Training Program in the Neurosciences supports broad and fundamental research training in the neurosciences via institutional NRSA research training grants (T32) at domestic institutions of higher education. Trainees appointed to this training grant are financially supported for either one or two years, during the first 2 years of their graduate research training. The primary objective is to prepare individuals for careers in neuroscience that have a significant impact on the health-related research needs of the Nation. Application budgets are not limited, but need to reflect actual needs of the proposed project.
Postdoctoral Training Program in Obstetric and Pediatric Pharmacoepidemiology (T32)

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


Contact: Zhaoxia Ren, 301/402-9340, zren@mail.nih.gov

Solicitation number: PAR-13-112

This FOA encourages applications from organizations that propose creative and innovative institutional research training programs in the mission areas of the NICHD. The purpose of the training program is to help ensure that a diverse pool of highly trained scientists is available in appropriate scientific disciplines to address the nation’s biomedical, behavioral, and clinical research needs. The goals of this training program are: 1) to encourage and support training in pediatric and/or obstetric pharmacoepidemiology; and 2) to produce a well-qualified cadre of academic investigators who are capable of conducting pharmacoepidemiologic research in children and/or pregnant women. The Training PD/PI should limit appointments to individuals who are committed to a career in research and who plan to remain on the training grant or in a non-NRSA research experience for a cumulative minimum of 2 years. The total project period may not exceed five years.

Dimensional Approaches to Research Classification in Psychiatric Disorders (R01)

National Institutes of Health, National Institute of Mental Health (NIMH)


Contact: Michael Kozak, 301/443-6471, kozakm@mail.nih.gov

Solicitation number: RFA-MH-14-050

This FOA seeks research grant applications designed to develop innovative ways of understanding mental disorders through classifying patients in clinical studies on the basis of experimental research criteria rather than traditional diagnostic categories. This FOA stems from the NIMH Research Domain Criteria (RDoC) project that is intended to further a long-range goal of contributing to diagnostic systems as informed by research on genetics, neuroscience, and behavior. The purpose of this FOA is to encourage applications to study mechanisms that may cut across multiple traditional diagnostic categories. Application budgets are limited to $400K annual direct costs. The maximum project period is five years.

Research on Comparative Effectiveness and Implementation of HIV & AIDS and Alcohol Interventions (R01)

National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism (NIAAA)


Contact: Kendall Bryant, 301/402-9389, kbryant@mail.nih.gov

Solicitation number: RFA-AA-13-003

The overall goal of this solicitation is to inform clinical decision-making that will enhance treatment outcomes and reduce harms associated with interventions for HIV+ individuals with alcohol use disorders. This solicitation is divided into two parts, one or both of which an applicant may choose to address. These parts include: 1) comparative effectiveness research focused on understanding factors related to patient engagement in appropriate alcohol and HIV care and retention in treatment; and 2) modeling and testing alternative approaches to the implementation of effective interventions to reduce HIV disease transmission and progression. Application budgets must not exceed $500K in direct costs over a maximum project period of five years. This FOA runs in parallel with another FOA of identical scientific scope, RFA-AA-13-004, that utilizes the R21 Exploratory/Developmental Grant mechanism.
**Research Networks for Macromolecular Interactions in Cells (U54)**

National Institutes of Health, National Institute of General Medical Sciences (NIGMS)


Contact: Varies with research interest

Solicitation number: RFA-GM-14-005

The purpose of this FOA is to establish interdisciplinary collaborative research networks to advance studies of macromolecular interactions and their relationship to function in cells. Investigators may use this opportunity to i) complement each other's capabilities, where the innovation is in the biology rather than in the technology; ii) apply proven technologies that are technically challenging, expensive, or not yet widely used in cell biology and allied fields; iii) develop, pilot, evaluate, and/or apply emerging technologies; iv) carry out feasibility studies or upstream research and development of new technological concepts that are unproven, but potentially useful for study of macromolecular interactions. This FOA invites unconventional research strategies, including exploratory, descriptive, and statistical approaches, and encourages discovery and hypothesis generation as research objectives. Application budgets are limited to $500K per year for a maximum of five years. This FOA runs in parallel with other FOAs of identical scientific scope: 1) RFA-GM-14-003, which utilizes the R01 Research Project Grant mechanism; and 2) RFA-GM-14-004, which utilizes the R01 Research Project Grant mechanism.

**Collaborations for Macromolecular Interactions in Cells (R01)**

National Institutes of Health, National Institute of General Medical Sciences (NIGMS)


Contact: Varies with research interest

Solicitation number: RFA-GM-14-004

These collaborations are designed to integrate additional research strategies into NIGMS' research base of laboratories specializing in macromolecular function in living systems. Grantees may use this funding opportunity to (i) complement each other's capabilities (for example, in biochemistry, genetics, chemistry, or pharmacology), where the innovation is in the biology rather than in the technology; (ii) apply proven technologies that are technically challenging, expensive, or not yet widely used in cell biology and allied fields (for example, mass spectrometry, high-throughput screening); (iii) develop, pilot, evaluate, and/or apply emerging technologies (for example, super resolution light microscopy); (iv) carry out feasibility studies or upstream research and development of new technological concepts that are unproven, but potentially useful for study of macromolecular interactions. This FOA invites unconventional research strategies, including exploratory, descriptive, and statistical approaches, and encourages discovery and hypothesis generation as research objectives. A priority of this FOA is to support collaborations that can accomplish their goals on a total budget not exceeding $100K direct costs for multiple PD/PIs at a single institution, $175K for multiple PD/PIs at two institutions, and $250K for multiple PD/PIs at three or more institutions. The maximum project period is four years. This FOA runs in parallel with other FOAs of identical scientific scope: 1) RFA-GM-14-003, which utilizes the R01 Research Project Grant mechanism; and 2) RFA-GM-14-005, which utilizes the U54 Specialized Center- Cooperative Agreements mechanism.

**Core Centers for Musculoskeletal Biology and Medicine (P30) - Limited Submission**

National Institutes of Health, National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)


Contact: Faye Chen, 301/594-5055, chenf1@mail.nih.gov

Solicitation number: RFA-AR-14-002

The Core Centers for Musculoskeletal Biology and Medicine (CCMBM) will provide shared facilities and services to groups of established, currently funded investigators addressing scientific problems in musculoskeletal biology and medicine, in order to improve efficiency, accelerate the pace of research, and ensure greater productivity. Key public health problems addressed by this research include, but are not limited to, osteoporosis, osteoarthritis, and muscular dystrophies. In addition to providing services and resources to facilitate independently funded research projects, the Core Centers are encouraged to enhance the research environment and promote synergistic collaborations among the Center Investigators (the investigators of the research base). Support is provided for an administrative core that includes a Center Enrichment Program, and two or more Research Cores. The maximum award is $400K per year for up to five years.
**Research on Marijuana Legalization in the US (Admin Supp)**

National Institutes of Health, National Institute on Drug Abuse (NIDA)


Contact: Marsha Lopez, 301/402-1846, lopezmar@nida.nih.gov

Solicitation number: PA-13-138

The research proposed under the administrative supplement program must be within the original scope of the parent grant and will contribute to a greater understanding of the implications of marijuana legalization laws/policies on attitudes, substance use, misuse, dependence, disorder, related health outcomes such as HIV risk behaviors, and other risk behaviors such as drugged driving. The funding mechanism being used to support this program, administrative supplements, can be used to cover cost increases that are associated with achieving certain new research objectives related to effects of the shifting marijuana policy environment as long as they remain within the original scope of the project. Any cost increases need to result from making modifications to the project in order to take advantage of opportunities that would increase the value of the project consistent with its originally approved objectives and purposes. Application budgets are limited $250K in Direct Costs for one year and the project and budget periods must be within the currently approved project period for the existing parent award.

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**Bioequivalence of Generic Bupropion (U01)**

National Institutes of Health


Contact: Xinyuan Zhang, 240/276-8603, Xinyuan.Zhang@fda.hhs.gov

Solicitation number: RFA-FD-13-021

The purpose of the study is to: 1) demonstrate bioequivalence between generic and brand name bupropion HCl modified release products with different release patterns at steady state in patients; and 2) evaluate whether patients can perceive the difference in release pattern and experience lack of efficacy or increased adverse events after they are switched between each treatment. The outcome of this study will help address concerns on quality, bioequivalence, and therapeutic equivalence of bupropion hydrochloride modified release generic products. Application budgets need to reflect the actual needs of the proposed project and should not exceed $800K in total costs in year one, and $1M in total costs in year two and year three.

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**Reducing the Duration of Untreated Psychosis in the United States (R01)**

National Institutes of Health, National Institute of Mental Health (NIMH)


Contact: Susan Azrin, 301/443-3267, susan.azrin@nih.gov

Solicitation number: PAR-13-187

This FOA aims to support research that will test feasible strategies for substantially reducing duration of untreated psychosis (DUP) among persons with a first episode of psychosis (FEP) in community settings by removing significant "bottlenecks" in the pathway to specialty FEP care. Applications submitted to this FOA should propose projects that test approaches for producing one or more of the following: 1) Better signal detection of psychosis onset, or symptoms suggesting high clinical risk of psychosis, within primary care settings, schools, child/youth mental health services, college counseling centers, emergency departments, criminal justice agencies, and/or other community settings; 2) Methods to achieve expeditious referral of persons with FEP, or those at high clinical risk of psychosis, to an appropriate specialty care treatment program; and 3) Strategies for achieving rapid engagement and initiation of stage-specific FEP treatment. Application budgets are not limited but should reflect the actual needs of the proposed project. The maximum project period is five years. This FOA runs in parallel with another FOA of identical scientific scope, PAR-13-188, that utilizes the R34 Clinical Trial Planning Grant Program mechanism.
Mechanism for Time-Sensitive Drug Abuse Research (R21)
National Institutes of Health, National Institute on Drug Abuse (NIDA)
Contact: Redonna Chandler, 301/443-6504, rchandle@nida.nih.gov
Solicitation number: PAR-12-297
This FOA is intended to support pilot, feasibility or exploratory research for up to 2 years in 4 priority areas, including: 1) responses to unexpected and time-sensitive medical system issues (e.g. opportunities to understand addiction services in the evolving health care system); 2) responses to emerging drug abuse-related HIV trends and topics (e.g. rapidly evolving drug abuse-related epidemics, time-sensitive policy or environmental changes); 3) responses to unexpected and time-sensitive criminal justice opportunities (e.g. new system and/or structural level changes) that relate to drug abuse and access and provision of health care service; and 4) responses to unexpected and time-sensitive prescription drug abuse opportunities (e.g., new state or local efforts). It should be clear that the knowledge gained from the proposed study is time-sensitive and that an expedited review and funding are required in order for the scientific question to be answered. In particular, this FOA encourages innovative scientific partnerships between researchers and community or public partners who cannot delay policy or program changes in order to obtain baseline research data related to the implementation or impact of such changes. Research collaborations intended to answer unique and innovative questions concerning changes in a health care system or policy are of most interest. Direct costs are limited to $275K over a two-year project period. No more than $200K may be requested in any single year.

Understanding and Promoting Health Literacy (R01)
National Institutes of Health, Cross-Institute
Contact: Varies with research interest
Solicitation number: PAR-13-130
The goal of this program announcement is to encourage methodological, intervention and dissemination research for understanding and promoting health literacy. 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 (Ratzan and Parker, 2000). Researchers are encouraged to address health literacy as it pertains to health care, prevention, healthy living, chronic disease management, community health, cultural competence, and health disparities. Research questions can focus on consumers, patients, providers, health care teams, educators, communities and organizations or systems. This FOA will utilize the R01 grant mechanism and runs in parallel with FOAs of identical scientific scope: PAR-13-131, which encourages applications under the R03 grant mechanism and PAR-13-132, which encourages applications under the R21 grant mechanism. The total project period may not exceed five years.

Structural Biology of Membrane Proteins (R01)
National Institutes of Health, Cross-Institute
Contact: Varies with research interest
Solicitation number: PA-10-228
This FOA encourages grant applications that propose to develop research and methods to enhance the rate of membrane protein structure determination and to determine specific membrane protein structures. Innovative methods for expression, oligomerization, solubilization, stabilization, purification, characterization, crystallization, isotopic labeling, and structure determination of unique and biologically significant membrane proteins by x-ray diffraction, nuclear magnetic resonance (NMR), electron microscopy, mass spectrometry, and other biophysical techniques are encouraged.
**Technology Development for Protein Modeling (R01)**

National Institutes of Health, National Institute of General Medical Sciences (NIGMS)


Contact: Ward Smith, 301/443-9375, smithwar@nigms.nih.gov

Solicitation number: PAR-13-033

This FOA encourages grant applications that propose to develop novel technologies that will significantly improve the accuracy of comparative modeling methods for protein structure prediction. The two main goals of this FOA are: 1) to increase the quality of protein structure models to a level comparable to high-resolution X-ray crystal structures when known structures are available with 30% sequence identity to the modeling targets, and 2) to increase model quality to 2 Angstroms RMSD or better when known structures are available with as low as 10% identity to the targets. The maximum project period allowable is five years.

**Bioengineering Research Partnerships (BRP)**

National Institutes of Health, Cross-Institute


Contact: Richard Conroy, 301/402-1486, conroyri@mail.nih.gov

Solicitation number: PAR-10-234

This FOA invites applications for R01 awards to support Bioengineering Research Partnerships (BRPs) for basic, applied, and translational multi-disciplinary research that addresses important biological, clinical or biomedical research problems. The partnership must include appropriate bioengineering or allied quantitative sciences in combination with biomedical and/or clinical components. BRPs may propose design-directed, developmental, discovery-driven, or hypothesis-driven research. 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.

**Health Promotion Among Racial and Ethnic Minority Males (R01)**

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PA-10-236

This FOA encourages research on the health of minority men. Specifically, this initiative is intended to: enhance our understanding of the factors influencing the health promoting behaviors of racial and ethnic minority males and their subpopulations across the life cycle, and encourage applications focusing on the development and testing of culturally and linguistically appropriate health-promoting interventions designed to reduce health disparities among racially and ethnically diverse males and their subpopulations age 21 and older. This FOA will utilize the R01 grant mechanism and runs in parallel with a FOA of identical scientific scope, PA-10-237, that encourages applications under the R21 mechanism.

**Strategies for Treatment of Young Adults with Alcohol Use Disorders (R01)**

National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism (NIAAA)


Contact: Margaret Mattson, 301/443-0638, mmattson@mail.nih.gov

Solicitation number: PAS-10-246

This FOA invites applications to support new research on the treatment of young adults with alcohol use disorders. Despite having the highest prevalence of drinking, interventions for this group have been understudied. Gaps exist in understanding how to effectively engage this group in treatment, which treatments are the most effective, and how to maintain treatment gains in the longer term after treatment. This FOA will utilize the R01 grant mechanism and runs in parallel with two FOAs of identical scientific scope, PAS-10-247, that encourages applications under the R03 mechanism and PAS-10-248, that encourages applications under the R21 mechanism.
Treatment of Co-Occurring Alcohol Use Disorders and Depression Anxiety Disorders (R01)
National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Contact: Deidra Roach, 301/443-5820, droach@mail.nih.gov
Solicitation number: PAS-10-251
This FOA supports research on the treatment of individuals with co-occurring alcohol use disorders and depression or anxiety. The scope of interest includes innovative pharmacological and behavioral treatments based on biological, psychological, behavioral, and social/cultural models of etiology and treatment of comorbid alcohol use disorders and depression or anxiety. In addition, this FOA accepts Comparative and Effectiveness Research applications which compare two or more different existing treatments in this comorbid population. This FOA will utilize the R01 grant mechanism and runs in parallel with a FOA of identical scientific scope, PAS-10-252, that encourages applications under the R21 mechanism.

Behavioral Regulation Mechanisms of Alcohol Dependence and Related Phenotypes (R01)
National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Contact: Ivana Grakalic, 301/443-7600, igrakalic@mail.nih.gov
Solicitation number: PA-10-255
This FOA encourages proposals to examine the mechanisms of behavioral regulation contributing to the behavioral characteristics of alcohol dependence. This FOA will utilize the Research Project Grant (R01) award mechanism and runs in parallel with a FOA of identical scientific scope, PA-10-256, that encourages applications under the R21 mechanism. Applicants for an R01 award are not limited in dollars but need to reflect the actual needs of the proposed project. The maximum project period is five years.

Neurobiology of Migraine (R01)
National Institutes of Health, Cross-Institute
Contact: Linda Porter, 301/496-9964, porter@ninds.nih.gov
Solicitation number: PA-10-258
This FOA encourages grant applications for innovative research that will expand our current knowledge of neurobiological mechanisms underlying migraine headache, examine the role of neuromodulators, genetic and environmental influences in migraine susceptibility, and explore new targets for therapy development. This FOA will utilize the NIH Research Project Grant (R01) award mechanism and runs in parallel with a FOA of identical scientific scope, PA-10-259, that encourages applications under the R21 mechanism. It is expected that most applications will stay within the budgetary guidelines for a modular grant limited to $250K annual direct cost. Applicants may request support for up to five years.

Biomarkers of Infection-Associated Cancers (R01)
National Institutes of Health, National Cancer Institute (NCI), National Institute of Dental and Craniofacial Research (NIDCR)
Contact: Varies with research interest
Solicitation number: PA-11-158
This FOA encourages the submission of Research Project Grant (R01) applications that propose to identify biomarkers for cancers where the etiology of the disease is attributed to infectious agents. Proposed studies should apply high-throughput molecular profiling technologies so that disease-specific markers and/or profiles can be recognized and used to identify infected individuals in whom infected cells are progressing into cancer to distinguish high-risk populations. The maximum project period is five years.
High-Throughput-Enabled Structural Biology Partnerships (U01)

National Institutes of Health, National Institute of General Medical Sciences (NIGMS)

Contact: Ward Smith, 301/443-9375, smithwar@nigms.nih.gov

Solicitation number: PAR-11-176

This FOA encourages applications to establish partnerships between researchers interested in a biological problem of significant scope and researchers providing high-throughput structure determination capabilities through the NIGMS PSI:Biology network. Applicants to this FOA should propose work to solve a substantial biological problem for which the determination of many protein structures is necessary. The proteins should be amenable to high-throughput structure determination and/or should provide suitable targets to motivate new technology development. Awardee principal investigators will become part of the PSI:Biology Network Steering Committee and will work jointly with other investigators and NIH staff to manage the overall PSI:Biology initiative. The expected budget range is from $250K to $1.5M direct costs per year for project periods of two to four years.

Research on Ethical Issues in Biomedical, Social and Behavioral Research (R01)

National Institutes of Health, Cross-Institute

Contact: Varies with research interest

Solicitation number: PA-11-180

The purpose of this FOA is to support investigator-initiated Research Project Grant (R01) applications that propose to study high priority bioethical challenges and issues associated with the types of biomedical, social, and behavioral research supported by the participating NIH Institutes/Centers. Only participating ICs will provide direct grant support under this FOA. The maximum project period is five years. This FOA runs in parallel with PA-11-181, which solicits applications under the R03 Small Grant mechanism, and PA-11-182, which solicits applications under the R21 Exploratory/Developmental Grant mechanism.

Circadian Rhythms and Alcohol-induced Tissue Injury (R01)

National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism (NIAAA)

Contact: Q. Max Guo, 301/443-0639, Max.Guo@nih.gov

Solicitation number: PA-11-178

This FOA encourages applications that propose to conduct mechanistic studies of the circadian rhythms involved in alcohol-induced organ damage. The objective of this FOA is to understand the molecular mechanisms of alcohol-induced tissue damage that involve central and peripheral circadian rhythms, particularly their connection with metabolism and metabolic disorders. The project period ranges from one to five years. This FOA runs in parallel with PA-11-179, which solicits applications under the R21 mechanism.

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

National Institutes of Health, Cross-Institute

Contact: Varies with research interest

Solicitation number: PA-11-160

This 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 maximum project period is five years. This FOA runs in parallel with PA-11-161, which solicits applications under the R21 Exploratory/Developmental Grant mechanism.
The Effect of Racial and Ethnic Discrimination & Bias on Health Care Delivery (R01)
National Institutes of Health, National Cancer Institute (NCI), National Heart, Lung, and Blood Institute (NHLBI)
Contact: Varies with research interest
Solicitation number: PA-11-162
This FOA encourages the submission of research project grant applications that propose to: 1) improve the measurement of racial/ethnic discrimination in health care delivery systems through improved instrumentation, data collection, and statistical/analytical techniques; 2) to enhance understanding of the influence of racial/ethnic discrimination in health care delivery and its association with disparities in disease incidence, treatment, and outcomes among disadvantaged racial/ethnic minority groups: and 3) to reduce the prevalence of racial/ethnic health disparities through the development of interventions to reduce the influence of racial/ethnic discrimination on health care delivery systems in the U.S. This FOA runs in parallel with PA-11-163, which solicits applications under the R21 mechanism, and PA-11-164, which solicits applications under the R03 mechanism.

NLM Express Research Grants in Biomedical Informatics (R01)
National Institutes of Health, National Library of Medicine (NLM)
Contact: Varies with research interest
Solicitation number: PAR-11-208
The National Library of Medicine supports research grants that advance the science of biomedical informatics. Biomedical informatics can be defined as the intersection of computer and information sciences with an application domain such as health care, public health, basic biomedical research, or clinical translational research. This grant has a limit of $250K per year in direct costs. The maximum project period is four years.

Nutrition and Diet in the Causation, Prevention, and Management of Heart Failure (R01)
National Institutes of Health, National Heart, Lung, and Blood Institute (NHLBI)
Contact: Varies with research interest
Solicitation number: PA-11-165
This FOA encourages submission of research applications on the role of nutrition and diet in the causation, prevention, and treatment of cardiomyopathies and heart failure. Mechanistic, translational, and applied interdisciplinary research applications with rigorous hypothesis-testing designs for projects in humans or animals are of interest. The overall goal is to develop a satisfactory science base for rational nutritional management of patients in various stages of heart failure and for preventive approaches in high-risk individuals. The maximum project period is five years. This FOA runs in parallel with PA-11-166, which solicits applications under the R21 Research Project Grant mechanism.

Program for Extramural & Intramural Alcohol Research Collaborations (U01)
National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Contact: Peter Silverman, 301/402-6966, psilverm@mail.nih.gov
Solicitation number: PAR-11-189
The purpose of this FOA is to encourage collaboration between alcohol researchers in the extramural community and those within the NIAAA intramural research program. The objective of this FOA is to bring together the research expertise that, as a functioning collaborative unit, will address key alcohol-based research questions that would not otherwise be possible by the same individuals working towards similar goals in isolation. The goal of the research proposed by the collaborating investigators should address questions that advance the alcohol research field with respect to issues surrounding alcohol use disorders including dependence, and the effects of alcohol on health. The NIH Intramural Scientist will be a tenured or tenure-track scientist from the NIAAA Intramural division, with whom the PD/PI has made prior contact for the collaborative project. Applications may request up to $250K direct cost per year for up to five years.
The Impact of Parental Military Deployment and Reintegration on Child and Family Functioning (R01)
National Institutes of Health, Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), Nation
Contact: Varies with research interest
Solicitation number: PA-11-200
The purpose of this FOA is to encourage interdisciplinary studies on the impact of parental military deployment, combat-related stress, and reintegration with the family on child social and affective development outcomes as well as on family functioning. The maximum project period is five years. This FOA runs in parallel with two FOAs of identical scientific scope, PA-11-201, which utilizes the R13 Support for Conferences and Scientific Meetings mechanism, and PA-11-202, which utilizes the R21 Exploratory/Developmental Research Grant Award mechanism.

Spatial Uncertainty Data, Modeling, and Communication (R01)
National Institutes of Health, Cross-Institute
Contact: Varies with research interest
Solicitation number: PA-11-238
The purpose of this FOA is to support innovative research that identifies sources of spatial uncertainty (i.e., inaccuracy or instability of spatial or geographic information) in public health data, incorporates the inaccuracy or instability into statistical methods, and develops novel tools to visualize the nature and consequences of spatial uncertainty. This FOA runs in parallel with FOAs of identical scientific scope, PA-11-239, that encourages applications under the R21 mechanism, and PA-11-240, that encourages applications under the R03 mechanism.

Effects of Secondhand Smoke on Cardiovascular and Pulmonary Disease Mechanisms (R01)
National Institutes of Health, National Heart, Lung, and Blood Institute (NHLBI)
http://grants.nih.gov/grants/guide/pa-files/PA-11-244.html
Contact: Varies with research interest
Solicitation number: PA-11-244
This FOA invites applications that propose to better characterize the dose-response relationship between secondhand smoke (SHS) exposure and the cardiovascular and pulmonary diseases by improving our understanding of the mechanisms by which SHS contributes to these diseases. A wide range of research including animal and human laboratory studies, cohort and case control studies, and natural experiments resulting from home, workplace, and/or community changes in SHS exposure are consistent with this initiative.

Mechanistic Studies of Pain and Alcohol Dependence (R01)
National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Contact: Mark Egli, 301/594-6382, megli@mail.nih.gov
Solicitation number: PA-11-267
This FOA encourages applications that propose to conduct mechanistic studies on the relationship between alcohol drinking, alcohol dependence, and pain. The objective of this FOA is to understand genetic, pharmacological and learning mechanisms underlying the association between the propensity to drink alcohol and pain responses. This FOA runs in parallel with a FOA of identical scientific scope, PA-11-268, which utilizes the R21 Exploratory/Developmental Grant mechanism.
Gene-Environment Interplay in Substance Use Disorders (R01)
National Institutes of Health, Cross-Institute
Contact: Naimah Weinberg, 301/402-1908, nw46w@nih.gov
Solicitation number: PA-11-235
NIDA and NIAAA seek to stimulate and expand research on the interplay of genetic and environmental factors in the genesis, course, and outcomes of substance and alcohol use disorders (SUDs). New studies using genetically informative approaches are needed to elucidate the complex interplay of genetic and environmental factors in developmental trajectories of SUDs and comorbid conditions, deepen and refine phenotypic definitions of SUDs, and meet the methodologic challenges of the field. The maximum period is five years. This FOA runs in parallel with two FOAs of identical scientific scope, PA-11-236, which utilizes the R21 Exploratory/Developmental Grant mechanism, and PA-11-237, which utilizes the R03 Small Grant Program mechanism.

International Research Collaboration on Alcohol and Alcoholism (U01)
National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Contact: Peggy Murray, 301/443-2594, pmurray@mail.nih.gov
Solicitation number: PAR-11-282
This FOA invites applications for the purpose of fostering international collaborations between alcohol research investigators within the United States and investigators located at non-United States laboratories and performance sites for the mutual advancement of our understanding of alcohol problems and of clinical and public health approaches to their solutions. The program is intended to provide funds for research activities to be undertaken jointly between the U.S. and non-U.S. laboratory that expands the research direction of both the U.S. and non-U.S. laboratories in a collaborative manner. Applications may request up to $250K direct cost per year for five years.

Molecular and Cellular Substrates of Complex Brain Disorders (R01)
National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Contact: Varies with research interest
Solicitation number: PAR-11-299
This FOA encourages research grant applications directed toward the discovery of the impact of alterations associated with complex brain disorders on the fundamental cellular and molecular substrates of neuronal function. The maximum project period is five years. This FOA runs in parallel with a FOA of identical scientific scope, PAR-11-300, which utilizes the R21 Exploratory/Developmental Grant mechanism.

Secondary Analysis of Existing Alcohol Epidemiology Data (R01)
National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Contact: Wenxing Zha, 301/443-0633, zhaw@mail.nih.gov
Solicitation number: PA-11-308
This FOA encourages R01 Research Grant applications that propose to conduct secondary analysis of existing data sets. NIAAA seeks to enhance the understanding of the patterns of alcohol consumption and the epidemiology of alcohol-related problems. The maximum project period is five years. This FOA runs in parallel with a FOA of identical scientific scope, PA-11-309, which utilizes the R03 Small Grant Program mechanism.
Drug Abuse Prevention Intervention Research (R01)
National Institutes of Health, National Institute on Drug Abuse (NIDA)
Contact: Kevin Conway, 301/443-6504, kconway@nida.nih.gov
Solicitation number: PA-11-311
The purpose of this FOA is to encourage Research Project Grant (R01) applications 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. The maximum project period is five years.
This FOA runs in parallel with two FOAs of identical scientific scope: PA-11-312, which utilizes the R21 Exploratory/Developmental Grant mechanism, and PA-11-313, which utilizes the R03 Small Grant Program mechanism.

Systems Science and Health in the Behavioral and Social Sciences (R01)
National Institutes of Health, Cross-Institute
Contact: Varies with research interest
Solicitation number: PAR-11-314
This FOA encourages Research Project Grant (R01) applications that propose to develop basic and applied projects utilizing systems science methodologies relevant to human behavioral and social sciences and health. This FOA is intended to encourage a broader scope of topics to be addressed with systems science methodologies, beyond those encouraged by existing open FOAs. Research projects applicable to this FOA are those that are either applied or basic in nature (including methodological development), have a human behavioral and/or social science focus, and feature systems science methodologies. The maximum project period is five years. This FOA runs in parallel with a FOA of identical scientific scope, PAR-11-315, which utilizes the R21 Exploratory/Developmental Grant mechanism.

Single Cell Studies in Aging Research (R01)
National Institutes of Health, National Institute on Aging (NIA)
Contact: Jose Velazquez, 301/496-6428, jvelazqu@mail.nih.gov
Solicitation number: PA-11-320
This FOA encourages grant applications that propose to develop research on single cell biology to enhance the understanding of the mechanisms of normal aging and of age-related diseases. Applications using -omics technologies, imaging, optofluidic platforms, mass spectroscopy, whole genome sequencing, and other tools and technologies at the single cell level are encouraged since it is expected that the single cell approach will improve the determination of unique and biologically significant properties of tissues and organs during the aging process. The maximum project period is five years. This FOA runs in parallel with a FOA of identical scientific scope, PA-11-321, which utilizes the R21 Exploratory/Developmental Grant mechanism.

Behavioral and Social Genomics of Aging - Opportunities in the Health and Retirement Study (R01)
National Institutes of Health, National Institute on Aging (NIA)
Contact: Erica Spotts, 301/496-3136, spottse@mail.nih.gov
Solicitation number: PA-11-318
This FOA encourages applications taking advantage of the newly available genetic data to advance our understanding of how genetic, behavioral, and psychosocial factors affect the health and well-being of older Americans. Applications should use the genotype data from the Health and Retirement Study for new and innovative research purposes. Phenotype data is accessible through an application to the HRS, while genotype data can be accessed through an application to dbGaP. The maximum project period is five years.
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**Collaborations with National Centers for Biomedical Computing (R01)**

National Institutes of Health, Cross-Institute


Contact:  Varies with research interest

Solicitation number:  PAR-12-001

This FOA solicits projects from individual investigators or small groups to collaborate with the NIH Common Fund for Medical Research National Centers for Biomedical Computing (NCBCs). 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. The maximum project period is five years.

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**Solicitation of Validated Hits for the Discovery of in vivo Chemical Probes (R01)**

National Institutes of Health, Cross-Institute


Contact:  Varies with research interest

Solicitation number:  PAR-12-060

This FOA intends to support investigators who have interest and capability to join efforts for the discovery of in vivo chemical probes. It is expected that applicants will have in hand the starting compounds (“validated hits”) for chemical optimization and bioassays for testing new analog compounds. Through this FOA, NIH wishes to stimulate research in: 1) discovery and development of novel, small molecules for their potential use in studying disease treatment relevant to the missions of the participating NIH Institutes, and 2) discovery and/or validation of novel, biological targets that will inform studies of disease mechanisms. Emphasis will be placed on assays that provide new insight into important disease targets and processes.

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**Research on the Health of LGBTI Populations [R01]**

National Institutes of Health, Cross-Institute


Contact:  Varies with research interest

Solicitation number:  PA-12-111

This FOA highlights the community of lesbian, gay, bisexual, transgender, intersex, and related populations and calls for research that describes the biological, clinical, behavioral, and social processes that affect the health and development among LGBTI populations and among their families, and that leads to the development of effective supportive, preventive and treatment interventions and health service delivery methods that will enhance the health and development of these populations. Research conducted in response to this FOA must focus on clearly defined health outcomes, rather than on general measures of “well-being” or “adjustment.” This FOA encourages researchers to investigate new research questions related to the health and development of LGBTI individuals and their families and to develop and/or apply innovative methodologies to improve understanding of mechanisms affecting the health and development of these populations. The maximum project period is five years. This FOA runs in parallel with two FOAs of identical scientific scope, PA-12-112 that utilizes the R03 Small Grant Program mechanism, and PA-12-113 that utilizes the R21 Exploratory/Developmental Grant mechanism.

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**Building a Genetic and Genomic Knowledge Base in Dental, Oral, and Craniofacial Diseases and Disorders (R01)**

National Institutes of Health, National Institute of Dental and Craniofacial Research (NIDCR)


Contact:  Emily Harris, 301/594-4846, emily.harris@nih.gov

Solicitation number:  PA-11-317

This FOA encourages research into dental, oral, and craniofacial diseases and disorders for which there is evidence for genetic heritability but for which we do not have a strong understanding of the genetics/genomics of the disease or disorder. Applicable areas of investigation include identification of promising areas of the genome, and characterization and elucidation of the function(s) of genetic variants that affect disease risk in humans. The ultimate goal of these studies will be to drive development of effective diagnostic, therapeutic, and preventive approaches. The maximum project period is five years.
Effects of In Utero Alcohol Exposure on Adult Health and Disease (R01)

National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism (NIAAA)


Contact: William Dunty, 301/443-7351, duntyw@mail.nih.gov

Solicitation number: PA-12-291

This FOA is intended to support novel research on how prenatal alcohol exposure may contribute to the etiology of chronic diseases and health conditions later in life. Central to this theme is the developmental origins of health and disease (DOHaD) concept which suggests that fetal adaptations in response to adverse intrauterine conditions may increase the risk for childhood and adulthood disease. The goal of this FOA is to stimulate a broad range of research to: 1) leverage existing prospective birth cohorts to define the role of maternal alcohol consumption in the DOHaD process; 2) investigate the biological, cellular, and molecular mechanisms by which prenatal alcohol exposure may impact disease outcomes later in life; and 3) identify biomarkers associated with gestational alcohol exposure that may predict adult disease susceptibility in exposed offspring. Studies supported by this FOA will provide fundamental insights into a possible fetal-basis to adult disease that is influenced by maternal alcohol use. Application budgets are not limited, but need to reflect actual needs of the proposed project. The maximum project period is five years. This FOA runs in parallel with another FOA of identical scientific scope, PA-12-292, which utilizes the R21 Exploratory/Developmental Grant mechanism.

Epigenetic Inheritance and Transgenerational Effects of Alcohol (R01)

National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism (NIAAA)


Contact: Matthew Reilly, 301/594-6228, reillymt@mail.nih.gov

Solicitation number: PA-13-003

This FOA encourages Research Project Grant (R01) applications proposing to conduct studies on alcohol-induced transgenerational effects and the role of epigenetic inheritance in these effects. Application budgets are not limited, but need to reflect actual needs of the proposed project. The maximum project period is five years.

Prescription Drug Abuse (R01)

National Institutes of Health, National Institute on Drug Abuse (NIDA)


Contact:Varies with research interest

Solicitation number: PA-13-015

This FOA encourages applicants to develop innovative research applications on prescription drug abuse, including research to examine the factors contributing to prescription drug abuse; to characterize the adverse medical, mental health and social consequences associated with prescription drug abuse; and to develop effective prevention and service delivery approaches and behavioral and pharmacological treatments. Applications to address these issues are encouraged across a broad range of methodological approaches including basic science, clinical, epidemiological, and health services research to define the extent of the problem of prescription drug abuse, to characterize this problem in terms of classes of drugs abused and combinations of drug types, etiology of abuse, and populations most affected (including analyses by age group, race/ethnicity, gender, and psychiatric symptomatology). Studies on individual- and patient-level factors, prescriber factors, and/or health system factors are encouraged, as are studies on all classes of prescription drugs with high abuse liability, including analgesics, stimulants, sedative/hypnotics and anxiolytics. Researchers are further encouraged to study the relationship between the prescription medication, the indication for which the medication was prescribed (e.g., pain, sleep disorder, anxiety disorder, obesity), and the environmental and individual factors contributing to abuse. Application budgets are not limited, but need to reflect actual needs of the proposed project. The maximum project period is five years.
The Impact of Parental Military Deployment and Reintegration on Child and Family Functioning (R01)

National Institutes of Health, Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health, National Institute of General Medical Sciences (NIGMS)


Contact: Varies with research interest

Solicitation number: PA-11-200

The purpose of this FOA is to encourage interdisciplinary studies on the impact of parental military deployment, combat-related stress, and reintegration with the family on child social and affective development outcomes as well as on family functioning. Longitudinal prospective studies with diverse samples would address important gaps in the literature and are highly encouraged. Descriptive studies addressing the particular concerns of early childhood, middle childhood and adolescence are also encouraged. Application budgets need to reflect actual needs of the proposed project. The maximum project period is five years. This FOA runs in parallel with other FOAs of identical scientific scope, PA-11-201, which utilizes the R13 Support for Conferences and Scientific Meetings mechanism, and PA-11-202, which utilizes the R21 Exploratory/Developmental Research Grant Award mechanism.

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

National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)


Contact: Terry Bishop, 301/594-7726, tb232j@nih.gov

Solicitation number: PAS-13-031

The overall objectives of the SHINE program are to catalyze discoveries in basic molecular and cellular biology that provide new insights into the pathogenesis, prevention, detection, and potential treatment of disease, to attract new investigators into basic and translational hematology research, to promote productive interdisciplinary research collaborations, and to reinforce interactions and communication between NIDDK and the hematology research community. Specific research objectives supported by the SHINE program in this initial announcement are: 1) Regulatory Determinants of Hematopoietic Stem Cell Fate; 2) Stress Erythropoiesis; 3) Biology and Pathophysiology of Myelodysplastic Syndromes (MDS); 4) Ribosomes and Their Role in Disease; 5) Heme Regulation during Erythropoiesis; 6) Anemia of Inflammation and of Chronic Disease; and 7) Iron Overload. NIH intends to fund an estimate of two to four awards, corresponding to a total of $1M for FY 2013. The maximum project period is five years.

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

National Institutes of Health, National Institute of General Medical Sciences (NIGMS)


Contact: Charles Edmonds, 301/594-4428, edmondsc@nigms.nih.gov

Solicitation number: PAR-13-032

This FOA encourages research applications on the development of methodologies and technologies related to macromolecular structure determination in a high-throughput mode, new ideas and approaches for protein production and structure determination for classes of challenging proteins and the other constituent tasks of structural biology including structural genomics. Applications are encouraged for new ideas and approaches for high throughput structure determination for classes of challenging proteins including, but not limited to, complexes between small proteins, proteins from human and other higher eukaryotes, and membrane proteins. The proposed research should focus on technology and methodology development to overcome major bottlenecks of high-throughput structural biology such as: 1) Membrane proteins; 2) Proteins from humans or other higher eukaryotes; and 3) Protein complexes. Emphasis will be on classes of challenging proteins that are not currently amenable to high-throughput methods. The formation of multidisciplinary research teams from multiple institutions and scientific fields is encouraged. The maximum project period is five years.
Erythropoiesis - Components and Mechanisms (R01)
National Institutes of Health, National Heart, Lung, and Blood Institute (NHLBI)
Contact: Varies with research interest
Solicitation number: PA-13-034
This FOA 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. The maximum project period is five years.

Solid Organ Transplantation - Older Donors and Recipients (R01)
National Institutes of Health, National Institute on Aging (NIA)
Contact: Susan Zieman, 301/496-6761, Susan.Zieman@nih.gov
Solicitation number: PA-13-030
This FOA invites applications that propose basic, clinical, translational, epidemiological and outcomes research on solid organ transplant (SOT) in older persons. Research may focus on, but is not limited to: 1) appropriate selection of older SOT donors and recipients; 2) improved management of older SOT recipients; 3) immunology and immunosuppression pertaining to older SOT patients; and 4) healthcare disparities, utilization and costs of SOT in older patients. Research supported by this initiative is expected to enhance knowledge of immunobiology in aging and transplantation, and to provide evidence-based guidance to improve access to transplantation, organ allocation and utilization, graft survival, and short- and long-term outcomes of SOT in older persons. The maximum project period is five years. This FOA runs in parallel with two FOAs of identical scientific scope: 1) PA-13-037, which utilizes the R03 Small Grant Program mechanism; and 2) PA-13-038, which utilizes the R21 Exploratory/Developmental Grant mechanism.

Calcium Oxalate Stone Diseases (R01)
National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
Contact: Rebekah Rasooly, 301/594-6007, rebekah.rasooly@nih.gov
Solicitation number: PA-13-043
It has been estimated that up to 10% of males and 5% of females in the United States will form a kidney stone (i.e., experience urolithiasis) at some time during their lives. In addition to the pain and suffering of an acute stone event, treatment and time lost from work involve substantial costs. Recent data suggest that kidney stone disease is becoming more common. The majority of kidney stones are formed from calcium oxalate. There are many open questions about the appropriate dietary, medical and surgical treatments of stones. While there are many approaches, there is clearly a need for novel therapeutics and stone prevention strategies for both the hereditary and idiopathic stone diseases. It is the intent of this FOA to increase novel and productive research focusing on Primary Hyperoxaluria, Dent Disease and the recurrent idiopathic oxalate stone diseases and to encourage both new and experienced investigators from related fields of research to apply their knowledge and skills to this area. The maximum project period is five years.
Drug Discovery for Nervous System Disorders

Significant advances in neuroscience, genetics, and basic behavioral science, together with technological developments, have provided a rich knowledge base for identifying new molecular targets for drug discovery, and developing rational pharmacotherapies for the treatment of a wide variety of nervous system disorders. With the wealth of potential new drug targets, the opportunity exists to accelerate the process of drug discovery and development to make quantum leaps toward novel and effective treatments for mental disorders, drug and alcohol abuse, and nervous system disorders associated with aging. Through this funding opportunity the National Institute of Mental Health (NIMH), National Institute on Aging (NIA), National Institute on Alcohol Abuse and Alcoholism (NIAAA), and the National Institute on Drug Abuse (NIDA) seek to encourage the submission of research grant applications that aim to translate this wealth of basic science findings into the conceptualization, discovery, and preclinical evaluation of innovative therapeutics for nervous system disorders, with the goal of accelerating the development of new treatments for these diseases. The objective of this FOA is to stimulate research in the discovery, design, and preclinical testing of novel therapeutics aimed at prevention or treatment of nervous system disorders. Studies aimed at the development and testing of compounds for novel targets are encouraged, however projects designed for target identification are not covered under this announcement. The goal is to advance new, innovative, and effective therapies for the prevention and treatment of nervous system disorders. The maximum project period is five years. This FOA runs in parallel with another FOA of identical scientific scope, PAR-13-049, which utilizes the R21 Exploratory/Developmental Grant mechanism.

Pain in Aging (R01)

This FOA encourages Research Project Grant (R01) applications from institutions/organizations that propose to study pain from an aging perspective, including studies of older populations, studies of age differences and age-related changes in pain processes and experiences, and studies of pain treatment and management in older adults. This FOA particularly encourages studies on: 1) mechanisms and predictors of pain experience in aging, 2) development and evaluation of pain assessment tools for older adults or older model organisms, and 3) development and evaluation of pain management strategies in older adults, with particular attention to the challenges associated with treating pain in patients with multiple morbidities. Studies may address a variety of approaches and outcomes including biological (i.e., genetic, molecular, neurobiological), clinical, behavioral, psychological, and social factors. Both animal models (especially aged animals) and human subjects are appropriate for this FOA. The maximum project period is five years.

Advances in Polycystic Kidney Disease (R01)

It is the intent of this FOA to encourage applications from investigators with diverse scientific interests, who wish to apply their expertise into basic and applied research to enhance the understanding of the etiology and pathogenesis of both ADPKD and ARPKD; the genetic determinants and cellular and molecular mechanisms which disrupt normal kidney function; the mechanisms of cyst formation and growth at the cellular and molecular levels; the development of experimental model systems; the development of innovative regenerative approaches; the enhancement of imaging methods or other biomarkers to assess cyst growth and disease progression; and research studies aimed at the identification of therapeutic opportunities and gene targeted strategies to prevent progressive chronic kidney disease due to this disorder. The maximum project period is five years.
Behavioral & Integrative Treatment Development Program (R01)

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PA-13-077

The purpose of this FOA is to encourage behavioral intervention development research to test efficacy, 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) drug abuse treatment and adherence interventions for use in primary care; 3) drug abuse treatment and adherence interventions that utilize technologies to boost effects and increase implementability; 4) interventions to prevent the acquisition or transmission of HIV infection among individuals in drug abuse treatment; 5) interventions to promote adherence to drug abuse treatment, HIV and addiction medications; and 6) interventions to treat chronic pain. The maximum project period is five years. This FOA runs in parallel with FOAs of identical scientific scope, PA-13-078, which utilizes the R34 Clinical Trial Planning Grant Program mechanism and PA-13-079, which utilizes the R03 Small Grant Program mechanism.

Dissemination and Implementation Research in Health (R01)

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PAR-13-055

Each year, billions of U.S. tax dollars are spent on research and hundreds of billions are spent on service delivery and community health programs. However, relatively little is spent on, or known about, how best to ensure that the lessons learned from research are relevant to, and, inform and improve the quality of health, delivery of services and the utilization and sustainability of evidence-based tools and approaches. The purpose of this FOA is to support innovative approaches to identifying, understanding, and overcoming barriers to the adoption, adaptation, integration, scale-up and sustainability of evidence-based interventions, tools, policies, and guidelines. Conversely, there may be a benefit in understanding circumstances that create a need to “de-implement” or reduce the use of strategies and procedures that are not evidence-based, have been prematurely widely adopted, or are harmful or wasteful. The goals of this FOA are to encourage trans-disciplinary teams of scientists and practice stakeholders to work together to develop and/or test conceptual models of dissemination and implementation that may be applicable across diverse community and practice settings and patient populations, and design studies that will accurately and transparently assess the outcomes of dissemination and implementation efforts. The maximum project period is five years. This FOA runs in parallel with FOAs of identical scientific scope, R-13-056, which utilizes the R03 Small Grant Program mechanism, and PAR-13-054, which utilizes the R21 Exploratory/Developmental Grant mechanism.

Accelerating the Pace of Drug Abuse Research Using Existing Data (R01)

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PAR-13-080

The purpose of this FOA is to invite applications proposing the innovative analysis of existing social science, behavioral, administrative, and neuroimaging data to study the etiology and epidemiology of drug using behaviors (defined as alcohol, tobacco, prescription and other drug) and related disorders, associated HIV risk behaviors, prevention of drug use and HIV, and health service utilization. Under this FOA, the National Institute on Drug Abuse (NIDA), National Institute on Alcohol Abuse and Alcoholism (NIAAA), the National Cancer Institute (NCI), and the Office of Behavioral and Social Sciences (OBSSR) encourage the analyses of public use and other extant community-based or clinical datasets to their full potential in order to increase our knowledge of etiology, trajectories of drug using behaviors and their consequences, risk and resilience in the development of psychopathology, strategies to guide the development, testing, implementation, and delivery of high quality, effective and efficient services for the prevention and treatment of drug abuse and HIV. Budgets for direct costs of up to $150K direct costs per year and a project duration of up to three years may be requested, for a maximum of $450K direct costs over a three-year project period.
School Nutrition and Physical Activity Policies, Obesogenic Behaviors and Weight Outcomes (R01)

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PA-13-100

This FOA encourages applications that propose to: 1) foster multidisciplinary research that will evaluate how policies can influence school physical activity and nutrition environments, youths’ obesogenic behaviors (e.g., nutrition and physical activity behaviors), and weight outcomes; 2) understand how schools are implementing these policies and examine multi-level influences on adoption and implementation at various levels (e.g. federal, state, school district, and school); and 3) understand the synergistic or counteractive effect of school nutrition and physical activity polices on the home and community environment and body weight. The Social Ecological Framework is one of several frameworks that can be used to examine the interrelations among polices aimed at the school and home environment, individual diet and physical activity behaviors and weight outcomes. Application budgets are not limited but need to reflect the actual needs of the project. The maximum project period is five years. This FOA runs in parallel with other FOAs of identical scientific scope: 1) PA-13-099, which utilizes the R03 Small Grant Program mechanism; and 2) PA-13-098, which utilizes the R21 Exploratory/Developmental Grant mechanism.

Disorders of Human Communication - Effectiveness, Outcomes and Health Services Research (R01)

National Institutes of Health, National Institute on Deafness and Other Communication Disorders (NIDCD)


Contact: Amy Donahue, 301/402-3458, donahuea@nidcd.nih.gov

Solicitation number: PA-13-102

The purpose of this FOA is to support effectiveness, outcomes and health services research in the NIDCD mission areas of hearing, balance, smell, taste, voice, speech and language. Outcomes research seeks to determine to what degree an intervention works in patients/populations in general, real-world settings, such as in diverse populations and diverse provider and clinical practice settings. Outcomes research (often referred to as effectiveness research) applications should seek to measure, evaluate and/or improve patient-centered outcomes following intervention for communication disorders. Health Services Research examines the impact of organization, financing and management of health care services on the delivery, quality, cost, access to and outcomes of such services, including demographic, social, economic, and health system factors as they relate to providing preventive, screening, diagnostic, treatment and rehabilitative services. Research may focus on any/all the different factors that impact access, utilization, and quality and outcomes of health care services. Application budgets are not limited but need to reflect the actual needs of the project. The maximum project period is five years. This FOA runs in parallel with another FOA of identical scientific scope, PA-13-103, which utilizes the R21 Exploratory/Developmental Grant mechanism.
Obesity Policy Evaluation Research (R01)

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PA-13-110

Obesity is a major contributor to many serious health conditions that increase morbidity and mortality and reduce quality of life. The prevalence of obesity in children and adults in the United States has dramatically increased in the past four decades. Nationally there is an imperative to take action at local, state and federal levels, especially related to obesity in children. While helping people achieve and maintain a healthy weight is a critical public health goal, relatively little is known about the effectiveness of large scale policies and programs that could help achieve this goal at the population level, or any differential effects on sub-populations. Institute Specific Interests include: 1) NIDDK is particularly interested in the evaluation of large scale weight related programs or policy that are targeted to obesity and/or diabetes prevention; 2) NHLBI is especially interested in research on programs and policies that target cardiovascular disease risk factors such as obesity, diabetes, and adverse health behaviors (physical inactivity, poor dietary behaviors, sleep disorders); 3) NICHD is interested in applications that propose to evaluate the impact of weight related policies or programs on children, families, pregnant women, or children with disabilities; 4) NCI is particularly interested in the evaluation of programs or policies that may affect dietary or physical activity behavior and/or weight, and studies incorporating economic research; and 5) NIA is especially interested in research on programs and policies affecting sedentary behavior and physical activity among older adults, including programs and policies based on research in behavioral economics. The maximum project period is five years.

Mechanistic Insights from Birth Cohorts (R01)

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PAR-13-109

Little is known about the mechanisms by which such prenatal exposures lead to diabetes or obesity, renal, pulmonary, or cardiovascular or hematologic disease, neurodevelopmental disorders, or reproductive health (i.e. fertility). Ultimately, a better mechanistic understanding of how prenatal exposures contribute to the etiology of chronic diseases and health conditions later in life will allow for the development of effective interventions during pregnancy or early life that may have a profound impact on disease prevention and the future health of the offspring. Proposed studies must take advantage of existing (or accruing) birth cohorts, with well-characterized pregnancies, such that targeted mechanistic questions regarding the developmental origins of diabetes or obesity, renal, pulmonary, or cardiovascular or hematologic disease, neurodevelopmental disorders, or reproductive health (i.e. fertility) can be addressed. Applications should focus on potential mechanisms that mediate the developmental origins of human disease. Applications submitted to this FOA should target diabetes or obesity, renal, pulmonary, or cardiovascular or hematologic disease, neurodevelopmental disorders, or reproductive health. Application budgets are limited to less than $500K in direct costs per year for a maximum of five years.

Improvement of Animal Models for Stem Cell-Based Regenerative Medicine (R01)

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PAR-13-114

This FOA encourages applications from institutions and organizations proposing research aimed at characterizing animal stem cells and improving existing, and creating new, animal models for human disease conditions. The intent of this initiative is to facilitate the use of stem cell-based therapies for regenerative medicine, and focuses on the following areas: 1) comparative analysis of animal and human stem cells to provide information for selection of the most predictive and informative model systems; 2) development of new technologies for stem cell characterization and transplantation; and 3) improvement of animal disease models for stem cell-based therapeutic applications. Application budgets are not limited, but need to reflect actual needs of the proposed project. The maximum award period is 4 years for ORIP/DPCPSI and 5 years for NHLBI, NIDCR, NIDDK and NIGMS.
Mechanisms, Models, Measurement, & Management in Pain Research (R01)

National Institutes of Health, Cross-Institute
Contact: Varies with research interest
Solicitation number: PA-13-118
The purpose of this FOA is to inform the scientific community of the pain research interests of the various Institutes and Centers (ICs) at 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 injury 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. The maximum project period is five years. This FOA runs in parallel with other FOAs of identical scientific scope: 1) PA-13-117, which utilizes the R03 Small Grant Program mechanism; and 2) PA-13-119, which utilizes the R21 Exploratory/Developmental Grant mechanism.

Research on Alcohol and HIV & AIDS (R01)

National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Contact: Kendall Bryant, 301/403-9289, kbryant@mail.nih.gov
Solicitation number: PA-13-121
This 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-infected 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 into effective, culturally appropriate preventive and treatment interventions for these targeted populations. Application budgets are not limited but need to reflect actual needs of the proposed project. The maximum project period is five years. This FOA runs in parallel with other FOAs of identical scientific scope: 1) PA-13-122, which utilizes the R21 Exploratory/Developmental Grant mechanism; and 2) PA-13-120, which utilizes the R03 Small Research Project Grant mechanism.

Regional and International Differences in Health and Longevity at Older Ages (R01)

National Institutes of Health, National Institute on Aging (NIA)
Contact: Georgeanne Patmios, 301/496-3138, PatmiosG@mail.nih.gov
Solicitation number: PA-13-125
Applications are encouraged that pursue possible explanations for the divergent trends that have been observed in health and longevity at older ages, both across industrialized/high life expectancy nations and across the U.S. by geographic area. Research projects are not restricted to using NIA-supported datasets and may propose research using any relevant data. The maximum project period is five years. This FOA runs in parallel with other FOAs of identical scientific scope: 1) PA-13-123, which utilizes the R03 Small Grant Program mechanism; and 2) PA-13-124, which utilizes the R21 Exploratory/Developmental Grant mechanism.
Program for Extramural & Intramural Alcohol Research Collaborations (U01)

National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism (NIAAA)


Contact: Peter Silverman, 301/402-6966, psilverm@mail.nih.gov

Solicitation number: PAR-13-133

The purpose of this FOA is to encourage collaboration between alcohol researchers in the extramural community and those within the NIAAA intramural research program to bring together the research expertise that, as a functioning collaborative unit, will address key alcohol-based research questions that would not otherwise be possible by the same individuals working towards similar goals in isolation. The goal of the research proposed by the collaborating investigators should address questions that advance the alcohol research field with respect to issues surrounding alcohol use disorders including dependence and the effects of alcohol on health. The NIH Intramural Scientist will be a tenured or tenure-track scientist from the NIAAA Intramural division, with whom the PD/PI has made prior contact for the collaborative project. Application budgets may not exceed $250K direct cost per year for up to five years.

Bioengineering Research Grants (BRG) (R01)

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PAR-13-137

The purpose of this funding opportunity announcement is to encourage collaborations between the life and physical sciences that: 1) apply a multidisciplinary bioengineering approach to the solution of a biomedical problem; and 2) integrate, optimize, validate, translate or otherwise accelerate the adoption of promising tools, methods and techniques for a specific research or clinical problem in basic, translational, or clinical science and practice. An application may propose design-directed, developmental, discovery-driven, or hypothesis-driven research and is appropriate for small teams applying an integrative approach that can increase our understanding of and solve problems in biological, clinical or translational science. Application budgets are not limited but need to reflect actual needs of the proposed project. The maximum award period is 4 or 5 years depending on the NIH Institutes and Centers. This FOA runs in parallel with other FOAs of identical scientific scope: PA-12-284, which utilizes the R21 Exploratory/Developmental Bioengineering Research Grants mechanism, and PAR-10-234, which utilizes the R01 Bioengineering Research Partnerships mechanism.

Innovative Research Methods - Prevention and Management of Symptoms in Chronic Illness (R01)

National Institutes of Health, National Cancer Institute (NCI), National Institute of Nursing Research (NINR)


Contact: Varies with research interest

Solicitation number: PA-13-165

This FOA seeks to update the randomized control trial (RCT) design using novel research methods that are practical, innovative, and hold promise for producing more effective outcomes. Novel clinical research designs, applied to symptom management trials, may identify those treatment strategies that best alter the course of symptom burden in chronic illness by addressing the issues of varied treatment responses across patients, subject retention, and adherence to treatment regimens. Research of interest includes but is not limited to work that seeks to: 1) Develop and test optimal interventions using innovative methodological designs that address the challenge of varied treatment responses across patients; 2) Identify the comparative effectiveness of interventions that have been designed and tested using different methodological designs; and 3) Conceptualize new methods and/or improve upon current methods (i.e., EHR enabled research) for developing and testing optimal interventions. Applications with budgets of $350K or less in direct costs per year with a project period of 3-4 years are encouraged. This FOA runs in parallel with other FOAs of identical scientific scope: PA-13-166, that utilizes the R15 Academic Research Enhancement Award (AREA) mechanism; and PA-13-167, that utilizes the R21 Exploratory/Developmental Grant mechanism.
Secondary Analyses of Existing Data Sets and Stored Biospecimens to Address Clinical Aging Research Questions (R01)

National Institutes of Health, National Institute on Aging (NIA)


Contact: Varies with research interest

Solicitation number: PA-13-168

This FOA invites applications employing 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. This FOA will support activities addressing specific hypotheses in clinical aging research and/or to inform the design and implementation of future epidemiologic or human intervention studies, or current geriatric practice in maintenance of health, management of disease, and prevention of disability. Existing data sets may also be used to develop and test new statistical analytical approaches. Costs for archiving of data to be made publicly available may be included in the budget, as long as the archival activities are pertinent to the proposed secondary analyses. The maximum project period is five years.

Alcohol Use Disorders - Treatment, Services, and Recovery Research (R01)

National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism (NIAAA)


Contact: Page Chiapella, 301/443-4715, pchiapel@wilco.niaaa.nih.gov

Solicitation number: PA-13-160

The FOA invites applications to support research on various topics in the field of alcohol treatment and services for alcohol use disorders. The scope of interest is wide-ranging. It includes pharmacologic and behavioral treatments; recovery strategies; interventions for alcohol-induced tissue damage; and the organizational, financial, management, and environmental factors that facilitate or inhibit the delivery of evidence-based services for alcohol use disorders. Research objectives of this FOA include, but are not limited to, research within the following four broad research domains: (1) medications development for the treatment of alcohol use disorders and alcohol-induced tissue damage; (2) behavioral therapies and mechanisms of behavioral change; (3) health services research; and (4) recovery research. Cutting across these domains, NIAAA encourages treatment and health services-related studies on a number of special emphasis populations and topics including: (a) psychiatric/substance abuse/medical comorbidity, (b) adolescents, (c) fetal alcohol spectrum disorders, (d) health disparities/special populations, and (e) use of novel methods and technologies. Application budgets are not limited, but need to reflect the actual needs of the proposed project and the maximum project period is five years. This FOA runs in parallel with FOAs of identical scientific scope: PA-13-161, that utilizes the R21 Exploratory/Developmental Research Grant Award mechanism, and PA-13-162, that utilizes the R03 Small Grant Program mechanism.

Addressing Health Disparities in NIDDK Diseases (R01)

National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)


Contact: Varies with research interest

Solicitation number: PA-13-183

The NIDDK seeks research to improve understanding of the causes of high priority diseases in the United States and to develop and test more effective interventions for reducing/eliminating health disparities. Research is encouraged in the following high priority diseases within the scientific mission areas of the NIDDK: 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. Research approaches may include metabolic, genetic, clinical, behavioral, and/or epidemiologic studies in representative populations. Application budgets are not limited, but must reflect the actual needs of the proposed project. The maximum project period is five years.
Mechanisms of Alcohol and Nicotine Co-Addiction (R01)
National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Contact: Ivana Grakalic, 301/443-7600, igrakalic@mail.nih.gov
Solicitation number: PA-13-194
The NIAAA encourages grant applications to examine mechanisms contributing to concurrent alcohol and nicotine dependence. Co-occurring alcohol and nicotine dependence is common. Research suggests that alcohol dependence and nicotine dependence have similar genetic, neurochemical and behavioral characteristics. It is not well understood, however, whether common mechanisms underlie the comorbidity of alcohol and nicotine use and dependence. The purpose of this FOA is to promote research to study neurobiological and behavioral mechanisms of dependence and how alcohol and nicotine use interact through these mechanisms to promote dependence. Such an understanding is essential to guide the development of better prevention and treatment strategies for alcohol and nicotine co-abuse. The maximum project period is five years. This FOA runs in parallel with another FOA of identical scientific scope, PA-13-193, that utilizes the R21 Exploratory/Developmental Grant mechanism.

Home and Family Based Approaches for the Prevention or Management of Overweight or Obesity in Early Childhood
National Institutes of Health, Cross-Institute
Contact: Varies with research interest
Solicitation number: PA-10-127
This FOA invites Research Project Grant (R01) applications from institutions/organizations that propose randomized clinical trials testing 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 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. Research should consider the familial mechanisms of behavior such as 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. 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.

Development and Characterization of Animal Models for Aging Research (R01)
National Institutes of Health, National Institute on Aging (NIA), National Institute on Deafness and Other Communication Disorders
Contact: Varies with research interest
Solicitation number: PA-13-155
The purpose of this FOA is to promote research that develops, characterizes, refines and enhances model systems for aging research. Studies of the biology of aging require biological models systems such as rodents and cell lines; no human studies are involved. Studies developing new model systems or refining existing models to maximize their value for aging research will contribute to the understanding of normal changes in physiology and function with age and the onset, progression, therapeutics and prevention of age-associated diseases. Application budgets are not limited; the maximum project period is five years.
Innovative Measurement Tools for Community Engaged Research Efforts (R01)

National Institutes of Health, National Institute of Nursing Research (NINR)


Contact: Donna Jo McCloskey, 301/594-5971, mccloskd@mail.nih.gov

Solicitation number: PA-13-209

This FOA seeks to develop innovative measurement for community engaged research efforts. The use of community engaged research (CEnR) methodologies, such as community-based participatory, community-based, and practice-based research are regarded as valid approaches to prevent disease and promote health. A collaborative effort between community partners and researchers to engage in research that benefits community is a central tenet to CEnR. Specific areas of research interest include:

1) Develop and test tools that measure trust between partners in engagement efforts;
2) Develop and test tools that measure capacity/readiness for research efforts;
3) Develop and test tools to measure successful partnership/collaboration in engagement efforts;
4) Develop reliable and valid tools that can be used in measuring community engaged research efforts that impact individual outcomes such as trust, capacity, empowerment, and collaboration;
5) Use established statistical procedures to test existing or newly developed instruments;
6) Develop and test instruments that measure the success or failure of partnership efforts;
7) Apply existing tools in measuring community engaged research efforts;
8) Develop and test scientific measures of sustainability for health improvement programs; and
9) Develop and test scientific outcome measures related to improving health disparities. The maximum project period is five years. This FOA runs in parallel with a FOA of identical scientific scope, PA-13-212, that utilizes the R21 Exploratory/Developmental Grant mechanism.

Outcome Measures for Use in Treatment Trials for Individuals with Intellectual and Developmental Disabilities (R01)

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


Contact: Varies with research interest

Solicitation number: PAR-13-213

This FOA encourages applications from institutions/organizations that propose to develop informative outcome measures for use in clinical trials for individuals with intellectual and developmental disabilities (IDD) and will focus ongoing clinical and translational research on a neglected area essential for therapy and pharmacological treatment development. Budgets for direct costs of up to $500K per year may be requested for a maximum of $2.5M direct costs over a five-year project period.

PsychENCODE - Identification and Characterization of Non-coding Functional Elements in the Brain, and their Role in the Development and Pathophysiology of Mental Illnesses

National Institutes of Health, National Institute of Mental Health (NIMH)


Contact: Susan Koester, 301/443-3563, koesters@mail.nih.gov

Solicitation number: RFA-MH-14-020

The Encyclopedia of DNA Elements (ENCODE) project, by systematically cataloging transcribed regions, transcription factor binding sites, and chromatin structure, has recently found that a larger fraction of the human genome may be functional than was previously appreciated. However, our understanding of the role of these functional genomic elements in neurodevelopment and mental disorders is at an early stage. The key objective of this FOA is to support research in the discovery and characterization of non-coding functional genomic elements, including enhancers, promoters, silencers, long non-coding RNAs (lncRNAs), microRNAs (miRNAs), and piwi-interacting RNAs (piRNAs), and in elucidation of their role(s) in the molecular pathophysiology of mental illness through genome-wide examination of various human cell and tissue sources (e.g., human brain). This FOA is intended to encourage the application of comprehensive genome-wide approaches, to transform our knowledge of the potential role of non-coding elements in the development of serious mental illnesses. Applicants should propose projects that employ unbiased, genomic approaches using appropriate cells or tissues derived from patient populations to correlate findings with development of mental illnesses. The total project period may not exceed three years.
Detection of Pathogen-Induced Cancer (DPIC) (R01)

National Institutes of Health, National Cancer Institute (NCI)

Contact: Jacob Kagan, 301/435-1594, kaganj@mail.nih.gov
Solicitation number: PAR-13-190

The purpose of this FOA is to encourage research projects which focus on the interactions of carcinogenic pathogens with the human microbiome and the host for the detection of pathogen-induced cancer (DPIC). This FOA encourages research to assess molecular signatures associated with risk and early detection of pathogen-induced cancer and chronic inflammation associated with progression to invasive cancer. Application budgets are not limited, but need to reflect actual needs of the proposed project. The maximum project period is five years. There are four additional FOAs issued under the DPIC Initiative that cover additional types of projects at different stages: 1) PAR-13-172, R01 Revisions; 2) PAR-13-173, U01 Research Project – Cooperative Agreements Revisions; 3) PAR-13-171, P01 Program Project Grant Revisions; and 4) PAR-13-170, P50 Specialized Centers Revisions.

Imaging and Biomarkers for Early Cancer Detection (R01)

National Institutes of Health, National Cancer Institute (NCI)

Contact: Varies with research interest
Solicitation number: PAR-13-189

This FOA invites research project (R01) applications that combine imaging and biomarkers. The overall objective of this FOA is to facilitate collaborative imaging and biomarker research to improve cancer screening, early cancer detection and diagnosis by integrating multi modality imaging strategies and multiplexed biomarker methodologies. Application budgets are not limited, but need to reflect the actual needs of the proposed project. The maximum project period is five years. This FOA runs in parallel with other FOAs of identical scientific scope: 1) PAR-13-177, R01 Research Project Grant Revisions; 2) PAR-13-176, U01 Research Project - Cooperative Agreements Revisions; 3) PAR-13-175, P01 Program Project Grant Revisions; and 4) PAR-13-174, P50 Specialized Centers Revisions.

Office of Research Integrity (ORI) Extramural Research Grants

Department of Health and Human Services
http://www07.grants.gov/search/search.do?&mode=VIEW&oppid=232333

Contact: 240/453-8400, AskORI@hhs.gov
Solicitation number: IR-ORI-13-001

The purpose of this exploratory/developmental grant program is to foster research on research integrity in areas that have been inadequately explored. Successful applications will evaluate existing paradigms critically, be developed around an innovative hypothesis or address critical barriers to progress in understanding the multiple factors that underlie deviation from integrity in research, or conversely, that promote research integrity. The application should address the societal, organizational, group, or individual factors that affect integrity in research, both positively and negatively. Successful projects will be designed to produce clear evidence (rates of occurrence and impacts) of problem areas in community standards, self-regulation, practice norms, and nonadherence to accepted codes of conduct, and/or to solutions to those problems. Applicants can request a maximum budget of $300K per year for this FOA. The initial budget period will be one year. Upon successful completion of the first budget period and contingent on availability of funds, the project period can be extended for another year for a total of a two-year project period.
Advancing Eating Disorders Research through Dimensional Studies of Biology and Behavior (R01)

National Institutes of Health, National Institute of Mental Health (NIMH)

Contact: Julia Zehr, 301/443-1617, zehrj@mail.nih.gov

Solicitation number: RFA-MH-14-030

This FOA seeks research studies that use dimensional constructs to integrate biology and behavior in the service of advancing the understanding of biological mechanisms and developmental trajectories of eating disorders. The primary goals of this FOA are to: 1) support integrative, hypothesis-driven studies of neural circuits and/or other biological mechanisms underlying eating disorders; 2) support the use of dimensional constructs (defined for the purposes of this FOA below) as a primary means to investigate these mechanisms; 3) support the delineation of trajectories over time (e.g., across developmental stages or across illness course); 4) encourage integration across different levels of analysis (e.g., behavior, cells, circuits, genes, molecules, physiology, self-report, symptoms); 5) encourage neurodevelopmental research in eating disorders; and 6) encourage application of systems neuroscience methods to the study of eating disorders. This FOA focuses on translational research with humans; it does not support studies of novel treatments or studies of model animals. Application budgets are limited to $400K annual direct costs for up to five years.

Senior Scientist Research Award (K05)

National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism (NIAAA)

Contact: Varies with research interest

Solicitation number: PA-12-148

The purpose of this FOA is to provide protected time for outstanding senior scientists who have demonstrated a sustained high level of productivity conducting biomedical research relevant to the scientific mission of the appropriate institute to focus on their research and to provide mentoring of new investigators. The maximum project period is five years.

Academic - Community Partnership Conference Series - Limited Submission

National Institutes of Health

Contact: Della Brown White, 301/435-2712, whitede@mail.nih.gov

Solicitation number: PAR-12-102

This program encourages applications to conduct health disparities-related meetings, workshops, and symposia. The purpose of the Academic-Community Partnership Conference Series is to bring together academic institutions/organizations and community organizations to identify opportunities for addressing health disparities through the use of Community-Based Participatory Research (CBPR). The objectives of meetings conducted as part of this award will be to: (1) establish and/or enhance academic-community partnerships; (2) identify community-driven research priorities, and (3) develop long-term collaborative CBPR research agendas. Thus, it is expected these partnerships will lead to grant applications for the support of CBPR projects designed to meet identified community needs. The areas of focus for these partnerships may include one or more of the following community-health issues: infant mortality; Sudden Infant Death Syndrome (SIDS); fibroid tumors; childhood, adolescent, and/or adult obesity; health literacy; techniques for outreach and information dissemination; pediatric and maternal HIV/AIDS prevention; and violence prevention. Applicants may request direct costs of up to $30K per year for up to three years. Facilities & Administrative (F&A) costs are not allowed costs.
Silvio O. Conte Digestive Diseases Research Core Centers (P30) - Limited Submission

National Institutes of Health


Contact: Judith Podskalny, 301/594-8876, podskalnyj@mail.nih.gov

Solicitation number: RFA-DK-12-023

This FOA invites applications for Silvio O. Conte Digestive Diseases Research Core Centers (DDRCCs). The DDRCCs are part of an integrated program of digestive and liver diseases research support provided by the NIDDK. The purpose of this Centers program is to bring together basic and clinical investigators as a means to enhance communication, collaboration, and effectiveness of ongoing research related to digestive and/or liver diseases. DDRCCs are based on the core concept, whereby shared resources aimed at fostering productivity, synergy, and new research ideas among the funded investigators are supported in a cost-effective manner. Each proposed DDRCC must be organized around a central theme that reflects the digestive or liver diseases research focus of the center members. The maximum award is $750K in direct costs per year for up to 5 years.

NIDCR Small Grant Program for New Investigators (R03)

National Institutes of Health, National Institute of Dental and Craniofacial Research (NIDCR)


Contact: Varies with research interests

Solicitation number: PAR-10-275

This program supports basic and clinical research by scientists who are in the early stages of establishing an independent research career in oral, dental, and craniofacial research. This R03 grant mechanism supports pilot or feasibility studies and developmental research projects with the intention of obtaining sufficient preliminary data for a subsequent Investigator-initiated Research Project Grant (R01) application. A budget for direct costs of up to $150K over a two-year period may be requested.

Early Career Award in Chemistry of Drug Abuse and Addiction (ECHEM) (R21 & R33)

National Institutes of Health, National Institute on Drug Abuse (NIDA)


Contact: Rao Rapaka, 301/435-1304, rr82u@nih.gov

Solicitation number: PAS-10-274

NIDA invites Phased Innovation grant applications from new-to-NIH investigators into basic chemistry research applied to drug abuse and addiction. Awards will support milestone driven exploratory/feasibility “proof of concept” studies (R21), with possible rapid transition to expedited development (R33). Direct costs are limited to $250K over a R21 two-year period. The R33 award phase will be limited to $250K in direct costs per year.

Ethical, Legal, and Social Implications of Genomic Research Small Research Grant Program (R03)

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PA-11-249

This FOA encourages Small Research Grant (R03) applications to study the ethical, legal and social implications (ELSI) of human genome research. These applications should be for small, self-contained research projects. Of particular interest are projects that propose focused legal, economic, philosophical or historical analyses of new or emerging issues. Application budgets are limited to no more than $50K in direct costs per year for up to two years. This FOA runs in parallel with FOAs of identical scientific scope: PA-11-250, which utilizes the R01 mechanism, and PA-11-251, which utilizes the R21 mechanism.
Psychosocial & Behavioral Interventions and Services Research in Autism Spectrum Disorders (R34)

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PA-11-283

The purpose of this FOA is to facilitate exploratory research on psychosocial/behavioral treatments and innovative services research for autism spectrum disorders, including the development of instruments to evaluate the impact of interventions on core features of autism spectrum disorders, and comorbid symptomatology. It is intended to encourage research on: 1) the development and/or pilot testing of new or adapted interventions or instruments, 2) pilot testing novel interventions in preparation for larger efficacy trials, or 3) innovative services research directions that require preliminary testing or development. Direct costs are limited to $450K over a maximum project period of three years, with no more than $225K in direct costs allowed in any single year.

6/16/2013 Application

Pilot Studies in Pancreatic Cancer (R21)

National Institutes of Health, National Cancer Institute (NCI)


Contact: Varies with research interest

Solicitation number: PA-11-297

This FOA encourages the submission of Research Project Grant (R21) applications that propose to promote innovative research across multiple disciplines for a better understanding of the biology, etiology, detection, prevention, and treatment of pancreatic cancer. Direct costs are limited to $275K over a two-year project period. This FOA runs in parallel with a FOA of identical scientific scope, PA-11-298, which utilizes the R03 Small Grant Program mechanism.

6/16/2013 Application

Scalable Assays for Unbiased In Vitro Analysis of Neurobiological Function (R21 & R33)

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PAR-11-319

This FOA encourages research grant applications to develop novel, robust analytical platforms using in vitro assays to reveal changes in neuronal and/or glial function. The goal is to adapt state-of-the-art measures of basic cellular processes or molecular events that are key mediators of nervous system function with the intent to probe mechanisms and/or perturbations in an unbiased and efficient manner. The novel assay platforms would provide opportunities to measure neurobiological endpoints and build a pipeline to be used in the context of target identification and drug discovery. The R21 phase may not exceed $275K over a maximum of two years in direct costs, with no more than $200K in direct costs in any single year. Direct costs for the R33 phase must be less than $500K per year for up to two years.

6/16/2013 Application

Biomechanisms of Peripheral Nerve Damage by Anti-Cancer Therapy (R21)

National Institutes of Health, National Cancer Institute (NCI), National Institute of Neurological Disorders and Stroke (NINDS)


Contact: Varies with research interest

Solicitation number: PA-12-083

The purpose of this FOA is to encourage basic biologic research on damage to the peripheral nervous system instigated by pharmacologic cancer treatments, known as chemotherapy-induced peripheral neuropathy (CIPN). The majority of acquired peripheral neuropathy research has focused on diabetic and inherited diseases; this FOA intends to stimulate neuroscience researchers to apply their expertise from studying these other neuropathies to the injuries incurred by cancer treatments. The ultimate goal is to lead to a molecular understanding of CIPN that allows for the rational development of interventions that will treat or prevent CIPN. The maximum combined budget for the two-year project period is $275K. This FOA runs in parallel with a FOA of identical scientific scope, PA-12-082, which utilizes the R01 Research Project Grant mechanism.
Research on the Health of LGBTI Populations [R03]
National Institutes of Health, Cross-Institute
Contact: Varies with research interest
Solicitation number: PA-12-112
This FOA highlights the community of lesbian, gay, bisexual, transgender, intersex, and related populations. Basic, social, behavioral, clinical, and services research relevant to the missions of the sponsoring Institutes and Centers may be proposed. Application budgets are limited to $50K in direct costs per year for up to two years. This FOA runs in parallel with two FOAs of identical scientific scope, PA-12-111 that utilizes the R01 Research Project Grant mechanism, and PA-12-113 that utilizes the R21 Exploratory/Developmental Grant mechanism.

NIOSH Small Research Program (R03)
National Institutes of Health, National Institute for Occupational Safety and Health (NIOSH)
Contact: Linda Frederick, 404/498-2557, ljf3@cdc.gov
Solicitation number: PAR-12-200
The purpose of this grant program is to develop an understanding of the risks and conditions 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 combined budget for direct costs for the two-year project period may not exceed $100K. No more than $50K in direct costs may be requested in any single year.

NIOSH Exploratory/Developmental Grant Program (R21)
National Institutes of Health, National Institute for Occupational Safety and Health (NIOSH)
Contact: Linda Frederick, 404/498-2557, ljf3@cdc.gov
Solicitation number: PAR-12-252
The purpose of this grant program is to develop an understanding of the risks and conditions 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 combined budget for direct costs for the two-year project period may not exceed $275K. No more than $200K in direct costs may be requested in any single year.

Systems Science and Health in the Behavioral and Social Sciences (R21)
National Institutes of Health, Cross-Institute
Contact: Varies with research interest
Solicitation number: PAR-11-315
This FOA encourages Research Project Grant (R21) applications from institutions/organizations that propose to develop basic and applied projects utilizing systems science methodologies relevant to human behavioral and social sciences and health. This FOA is intended to encourage a broader scope of topics to be addressed with systems science methodologies, beyond those encouraged by existing open FOAs. Research projects applicable to this FOA are those that are either applied or basic in nature (including methodological development), have a human behavioral and/or social science focus, and feature systems science methodologies. The direct costs for the two-year project period may not exceed $275K. No more than $200K may be requested in any single year. This FOA runs in parallel with a FOA of identical scientific scope, PAR-11-314, that utilizes the R01 Research Project Grant mechanism.
Unconventional Roles of Ethanol Metabolizing Enzymes, Metabolites, and Cofactors in Health and Disease (R01)

National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism (NIAAA)


Contact: Andras Orosz, 301/443-2193, orosza@mail.nih.gov

Solicitation number: PA-12-235

The purpose of this FOA is to provide support for integrated, innovative research on the novel and unconventional contributions of ethanol metabolizing pathways, their metabolites, cofactors, and interactions with synergizing biological pathways in the development of alcohol-induced diseases and end organ injuries. It is anticipated that this FOA will generate data that may lead to breakthroughs in our understanding of identifying key cellular and molecular components in the initiation, progression and maintenance of the diverse medical disorders caused by excessive, long term alcohol consumption. In the future this knowledge may be critical in the diagnosis, treatment and management of vulnerable patient population debilitated by the vast array of alcohol-induced pathologies and enable clinicians to improve disease outcomes and, consequently, public health. Application budgets are not limited, but need to reflect actual needs of the proposed project. The maximum project period is five years. This FOA runs in parallel with a FOA of identical scientific scope, PA-12-234, that utilizes the R21 Exploratory/Developmental Grant.

Fatigability, Activity Limitations, and Bioenergetics in Aging (R03)

National Institutes of Health, National Institute on Aging (NIA)


Contact: Varies with research interest

Solicitation number: PA-12-226

This FOA invites applications proposing to 1) investigate the role of specific bioenergetic factors in increased fatigability, reduced activity, and diminished sense of well-being in older persons; 2) test the effects of interventions targeted at such factors on performance capabilities, functional status, and other outcomes that relate to quality of life; or 3) develop and evaluate measures of fatigability applicable for observational and/or interventional studies. The maximum project period is two years. The combined budget for direct costs for the two year project period may not exceed $100K with no more than $50K in direct costs in any single year. This FOA runs in parallel with FOAs of identical scientific scope: PA-12-225, that utilizes the R21 Exploratory/Developmental Research Grant Award, and PA-12-227, that utilizes the R01 Research Project Grant.

Physical Activity and Weight Control Interventions Among Cancer Survivors - Effects on Biomarkers of Prognosis a

National Institutes of Health, National Cancer Institute (NCI)

http://grants.nih.gov/grants/guide/pa-files/PAR-12-228.html

Contact: Catherine Alfano, 301/402-1450, alfanoc@mail.nih.gov

Solicitation number: PAR-12-228

This FOA encourages transdisciplinary and translational research that will identify specific biological or biobehavioral pathways through which physical activity and/or weight control (either weight loss or avoidance of weight gain) may affect cancer prognosis and survival. Research applications must test the effects of physical activity or weight control or both interventions on biomarkers of cancer prognosis among cancer survivors identified by previous animal or observational research, which may include but are not limited to intervention-induced changes in sex hormones, insulin or insulin-like growth factors or their binding proteins, insulin resistance, glucose metabolism, leptin and other adipokines, immunologic or inflammatory factors, oxidative stress and DNA damage or repair capacity, angiogenesis, or prostaglandins. This research will require transdisciplinary approaches that bring together behavioral intervention expertise, cancer biology, and other basic and clinical science disciplines relevant to the pathways being studied. The maximum project period is five years. This FOA runs in parallel with a FOA of identical scientific scope, PA-12-229, that utilizes the R21 Exploratory/Developmental Grant mechanism.
Development of Mathematical Cognition and Reasoning and the Prevention of Math Learning Disabilities (R03)

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


Contact: Kathy Koepke, 301/435-6855, KMK@nih.gov

Solicitation number: PA-12-247

This FOA is intended to stimulate innovative, multidisciplinary research on the cognitive, neuroplasticity, genetic and environmental factors involved in math learning and learning disabilities. The overall objectives of this FOA include: 1) identify the critical (necessary and sufficient) biological, cognitive, and behavioral components and dynamic developmental sequence, including sensitive periods, necessary for the normal development of mathematical cognitive abilities and reasoning (e.g., counting, arithmetic, geometry, algebra), including early and normative milestones; 2) identify the biological, cognitive, environmental, and behavioral factors that contribute to and/or restrict the developmental plasticity of mathematical cognitive abilities, and may be used to improve prevention, identification, and classification of children with MLD (including theoretically-grounded approaches to identification and classification); 3) develop and test well-defined, evidence-based prevention interventions for populations at high risk for mathematics learning disability such as children raised in poverty, and those with predisposing genetic or medical conditions (e.g., velocardiofacial syndrome, deafness, and iatrogenic conditions such as chemotherapy-associated math learning deficits), where the intervention’s effectiveness (i.e., the efficacy under "real world" adoption conditions) can be shown to be both sustainable and generalizable; and 4) develop and test well-defined, evidence-based remediating or treatment interventions, the effectiveness of which can be demonstrated to be both sustainable and generalizable. Such foundational knowledge should ultimately improve math instruction, both for typically developing and math challenged or disabled children. Application budgets are limited to $50K in direct costs per year for a maximum of two years. This FOA runs in parallel with FOAs of identical scientific scope: PA-12-248, which utilizes the R01 Research Project Grant mechanism and PA-12-246, which utilizes the R21 Exploratory/Developmental Grant mechanism.

Behavioral Science Track Award for Rapid Transition (B START) (R03)

National Institutes of Health, National Institute on Drug Abuse (NIDA)


Contact: Paul Schnur, 301/443-1887, pschnur@nida.nih.gov

Solicitation number: PAR-12-251

This FOA will use the NIH Small Research Grant (R03) award mechanism and seeks to facilitate the entry of beginning investigators into the field of behavioral science research related to drug abuse. To be appropriate for a B/START award, research must be primarily focused on behavioral processes and research questions. The project period is not to exceed one year and a budget for direct costs of up to three $25K modules, or $75K, may be requested.

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

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PA-12-284

The purpose of this FOA is to encourage Exploratory/Developmental Bioengineering Research Grants (EBRG) applications which establish the feasibility of technologies, techniques or methods that: 1) explore a unique multidisciplinary approach to a biomedical challenge; 2) are high-risk but have a considerable pay-off; and 3) develop data which can lead to significant future research. An EBRG application may propose hypothesis-driven, discovery-driven, developmental, or design-directed research and is appropriate for evaluating unproven approaches for which there is minimal or no preliminary data. Direct costs are limited to $275K over a two-year period, with no more than $200K in direct costs allowed in any single year. This FOA runs in parallel with a FOA of identical scientific scope, PAR-10-234, which utilizes the R01 Bioengineering Research Partnerships mechanism.
Selected Topics in Transfusion Medicine (R21)

National Institutes of Health, National Heart, Lung, and Blood Institute (NHLBI)

Contact: Shimian Zou, 301/435-0065, zousn@nhlbi.nih.gov

Solicitation number: PAR-13-025

This FOA encourages research grant applications from investigators who propose to study research topics in blood banking and transfusion medicine aimed at improving the safety and availability of the blood supply and the practice of transfusion medicine. Specifically, research focused on improving blood donor health, the safety and availability of blood products, and improving the practice of transfusion medicine is critical to public health. Research designed to better understand the determinants of transfusion-associated adverse events and how best to minimize transfusion risks is also important. Research is also needed to maintain an adequate blood supply by minimizing the risks associated with the donation process and developing enhanced recruitment and retention programs. The total project period for an application submitted in response to this funding opportunity may not exceed two years. Direct costs are limited to $275K over an R21 two-year period, with no more than $200K in direct costs allowed in any single year.

NEI Research Grant for Secondary Analysis (R21)

National Institutes of Health, National Eye Institute (NEI)


Contact: Varies with research interest

Solicitation number: PAR-13-035

This FOA encourages 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 those collected under NEI support but such data are of the highest programmatic interest. The R21 may be used to develop new statistical methodologies or to test hypotheses using existing data, but this FOA may not be used to support the collection of new data. The combined budget for direct costs for the two-year project period may not exceed $275K. No more than $200K may be requested in any single year. The maximum project period is two years.

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

National Institutes of Health, National Institute of Dental and Craniofacial Research (NIDCR)


Contact: Emily Harris, 301/594-4846, emily.harris@nih.gov

Solicitation number: PAR-13-044

The NIDCR, and other NIH Institutes/Centers, support genome-wide studies relevant to human dental or craniofacial conditions or traits. The genotype and phenotype data are available through the NIH (e.g., dbGaP) and/or through the parent study. The resultant wealth of data generated by these studies often provides unique, cost-effective opportunities to investigate additional research questions, apply new analytic methods, combine data across studies to more powerfully address research questions, or develop new analytical approaches. This mechanism may be used to support secondary analyses of data derived from NIDCR-funded studies or of data derived from other sources. Experimental validation of new methods or statistical analyses may be proposed, but the focus of the project should be on statistical methods development or secondary data analysis. The purpose of this FOA is to provide support for meritorious research projects that involve secondary data analyses of genome-wide data (e.g., existing data from genome-wide association studies), relevant to human dental or craniofacial conditions or traits. Development of statistical methodology appropriate for analyzing genome-wide data, relevant to human dental or craniofacial conditions or traits, may also be proposed. Budgets for direct costs of up to $200K per year and a project duration of up to two years may be requested for a maximum of $300K direct costs over a two-year project period.
Indo-U.S. Vaccine Action Program (VAP) Small Research Grant Program (R03)
National Institutes of Health, National Institute of Allergy and Infectious Diseases (NIAID)
Contact: Edward McSweegan, 301/402-8370, emcsweegan@niaid.nih.gov
Solicitation number: PA-13-179
Applications are encouraged from organizations/institutions that propose to conduct vaccine-related research through U.S.-Indo collaborations on the following: dengue, influenza (including avian influenza), malaria, enteric diseases, HIV/AIDS, and tuberculosis. Basic, translational, clinical, or epidemiological vaccine research may be proposed. Budgets for direct costs of up to $50K per year and a project duration of up to two years may be requested for a maximum of $100K direct costs over a two-year project period.

Drug Abuse Dissertation Research (R36)
National Institutes of Health, National Institute on Drug Abuse (NIDA)
Contact: Jessica Chambers, 301/443-2237, jessica_chambers@nih.gov
Solicitation number: PAR-13-182
The NIDA announces the availability of NIH Dissertation Award grants (R36) to support drug abuse doctoral dissertation research in NIDA areas of priority. Areas of focus include research on basic and clinical neuroscience and behavior, developmental trajectories, epidemiology, prevention, treatment, services, and/or women and sex/gender differences. Grant support is designed to encourage doctoral candidates from a variety of academic disciplines and programs to conduct research in these areas of interest to NIDA. It is hoped that this program will ultimately facilitate the entry of promising new investigators into the field of drug abuse research and promote transdisciplinary collaborations. Grants to support dissertation research will provide no more than $50K in direct costs per year for a maximum period of two years, with the possibility of extension without additional funds for up to 12 months.

The Role of Extracellular RNA in Mediating the Health Effects of Alcohol (R21)
National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Contact: Philip Brooks, 301/402-0883, pjbrooks@mail.nih.gov
Solicitation number: PA-13-197
The purpose of this FOA is to provide support for innovative research into the role of extracellular RNA (exRNA) in the development of alcohol-related diseases and end-organ injuries. As used here, the term exRNA refers to RNA molecules circulating outside of cells, either within vesicles or associated with carrier molecules. It is anticipated that this FOA will generate data that may lead to breakthroughs in our understanding of the role of exRNA communication in the initiation, progression and maintenance of the diverse medical disorders caused by excessive, long-term alcohol consumption. In the future this knowledge may be critical in the diagnosis, treatment and management of vulnerable patient populations debilitated by the vast array of alcohol-induced pathologies and enable clinicians to improve disease outcomes and, consequently, public health. In addition, research supported by this FOA may also provide information on the mechanistic basis of the health benefits of moderate alcohol consumption. Direct costs may not exceed $200K in any year or $275K over the 2 year project period.
Aging Research Dissertation Awards to Increase Diversity (R36)

National Institutes of Health, National Institute on Aging (NIA)


Contact: Chyren Hunter, 301/402-4158, hunterc@nia.nih.gov

Solicitation number: PAR-13-152

Substantial evidence indicates that biomedical research, including research on aging in particular, will benefit from broader representation of individuals from diverse ethnic, cultural, and socioeconomic backgrounds. As part of NIA’s Health Disparities Strategic Plan, this Funding Opportunity Announcement announces the availability of dissertation awards (R36) to support individuals whose advancement in research will help ensure that a diverse pool of highly trained scientists is available in scientific disciplines relevant to NIA’s strategic priorities to address NIA’s mission. That mission includes research on the basic biology of aging, on chronic, disabling, and degenerative diseases of aging, with a particular focus on Alzheimer’s Disease, on multiple morbidities, on individual behavioral and social changes with aging, on caregiving, on longevity, and on the consequences for society of an aging population. Total allowable costs per year are the current Fiscal Year National Research Service Award (NRSA) predoctoral stipend level and up to $20K for additional expenses. Support will be provided for up to two years.

Innovation for HIV Vaccine Discovery (R01)

National Institutes of Health, National Institute of Allergy and Infectious Diseases (NIAID)


Contact: Jon Warren, 301/402-0633, jwarrren@niaid.nih.gov

Solicitation number: RFA-AI-13-007

The purpose of this FOA is to foster original, high risk, and unconventional research that, if successful, may have a substantial impact on approaches to HIV/AIDS vaccine discovery and development. Applicants must clearly state how their proposed new idea, approach and rationale: 1) offer a potential solution for preventing acquisition of infection; 2) could be stringently tested (e.g., in a vaccine animal challenge model) and potentially implemented; 3) differ from current or previously failed approaches; and 4) will contribute, inform, or provide more than incremental knowledge to the field regardless of the outcome of the proposed work. Projects proposed will be expected to explore and test novel hypotheses that, if successful, would significantly impact the design of immunogens or immunization strategies leading to an effective HIV vaccine. Application budgets are limited to $350K per year in direct costs over a four year period. Applicants may request up to an additional $150K in direct costs per year in any year when nonhuman primate research is proposed and justified.

Mechanisms of Cellular Immunity in the Female Reproductive Tract (R01)

National Institutes of Health, National Institute of Allergy and Infectious Diseases (NIAID)


Contact: Alan Embry, 301/435-3751, embrya@mail.nih.gov

Solicitation number: RFA-AI-12-054

The purpose of this FOA is to stimulate research focused on the discovery of mechanisms that mediate effective antigen-specific memory T cell responses in the female reproductive tract (FRT). The ultimate goal is to develop the knowledge base needed to develop future vaccines that elicit effective and durable T cell responses against infection by HIV and other viral pathogens in the FRT. This FOA is intended to support innovative basic research efforts and is not intended to support the preclinical or clinical development of vaccine candidates or adjuvants. Application budgets are not limited, but need to reflect the actual needs of the proposed project. The maximum project period is five years.
**NIDCD Small Grant Program (R03)**

National Institutes of Health, National Institute on Deafness and Other Communication Disorders (NIDCD)


Contact: Varies with research interest

Solicitation number: PAR-13-057

This program is intended to support basic and clinical research of scientists who are beginning to establish an independent research career. The research must be focused on one or more of the areas within the mission of the NIDCD: hearing, balance/vestibular, smell, taste, voice, speech, or language. The R03 grant mechanism supports different types of projects including secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. Applications may be submitted for up to $100K in direct costs per year for up to three years.

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**Pharmacological Approaches to Evaluating Drug Regimens to Address Antimicrobial Resistance (R01)**

National Institutes of Health, National Institute of Allergy and Infectious Diseases (NIAID)


Contact: Christine Sizemore, 301/435-2857, csizemore@niaid.nih.gov

Solicitation number: RFA-AI-13-024

The purpose of this FOA is to support antimicrobial pharmacokinetic and pharmacodynamic (PK/PD) studies of drug combinations or sequentially administered (sequenced) antimicrobial agents in relevant in vitro and animal models to enhance understanding of the host, drug and microbial factors that contribute to the emergence of antimicrobial drug resistance in clinically relevant pathogens with a goal of minimizing the potential for development of resistance. A secondary objective is to establish partnerships among anti-microbial pharmacologists, microbiologists and animal modelers to bridge the gap between antimicrobial pharmacology and its application to fundamental and translational research for the clinical management of drug resistance. Application budgets are not limited, but need to reflect the actual needs of the proposed project. The maximum project period is five years.

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**Preclinical Innovation Program (PIP) (R01)**

National Institutes of Health, National Institute of Allergy and Infectious Diseases (NIAID)


Contact: Jim Turpin, 301/451-2732, jturpin@niaid.nih.gov

Solicitation number: RFA-AI-13-008

The purpose of PIP is to support novel, high-risk and under-explored strategies in the field of non-vaccine Biomedical Prevention (nBP). A safe, effective, acceptable nBP strategy that prevents the sexual transmission of HIV could play a major role in worldwide reduction of the over 7,000 new HIV infections per day, potentially saving millions of lives. The PIP program is designed to assist in this effort by supporting the advancement of novel scientific ideas, models, tools, agents, targets, technologies and strategies that can be implemented iteratively to substantially advance nBP in six general areas: 1) Discovery and exploration of new and novel microbicides and PrEP strategies (singly or in combination) directed against HIV and sexually transmitted infections (STIs) linked by clinical evidence to enhanced HIV acquisition/transmission; 2) Development of sustained-release formulations using DDS such as intravaginal rings (IVRs), injection and implants to disassociate coitus from prevention candidate application. Oral delivery methods may also be used to achieve coital-disassociation; 3) Support emerging technologies or models that contribute to the development of new and/or more efficient methods of assessing nBP strategy safety, efficacy, acceptability, and adherence; 4) Support the development of quantitative biomedical methods to measure adherence to nBP strategies; 5) Support pharmacokinetic (PK) and pharmacodynamic (PD) modeling of nBP candidates and strategies in animal models to create linkages between tissue and cell concentrations and in vivo observed safety and efficacy; and 6) Support the development of new technologies, approaches and processes, including engineering and soft/hardware solutions, to support the nBP pipeline. Application budgets are limited to a direct cost of $400K per year.
Optogenetic Tools for the Study of Neural Systems in Aging and Alzheimer's Disease (R01)

National Institutes of Health, National Institute on Aging (NIA)


Contact: Wen Chen, 301/496-9350, chenw@mail.nih.gov

Solicitation number: RFA-AG-14-002

The goal of this FOA is to support and promote broad applications of optogenetic tools for research on normal and/or pathological aging of neural systems, such as sensory, motor, cognitive, emotional, autonomic, sleep, neurovascular, or Alzheimer's disease (AD), as well as to encourage additional development of aging and AD specific optogenetic tools. Applicants are encouraged to develop and/or incorporate optogenetic tools particularly suitable for aging and/or AD research. Studies combining optogenetics with other cellular, molecular, genetic, neurophysiological, neuroimaging, and/or behavioral methodologies are also encouraged. Application budgets are limited to a maximum of $225K in direct cost per year for up to five years.

Partnerships for Biodefense (R01)

National Institutes of Health, National Institute of Allergy and Infectious Diseases (NIAID)


Contact: Michael Schaefer, 301/451-3758, mschaefer@niaid.nih.gov

Solicitation number: RFA-AI-13-013

This FOA invites research applications for projects focused on preclinical development of lead candidate therapeutics, vaccines, or medical diagnostics that address NIAID Category A, B, or C priority pathogens and toxins (agents) and projects focused on preclinical development of candidate technologies (including adjuvants) that would improve vaccine effectiveness and/or simplify vaccine delivery to patient populations during a natural outbreak of an infectious disease or following the intentional release of an infectious agent. Priority will be given to projects that address the greatest clinical need. Budgets for direct costs of up to $750K per year for up to five years may be requested. In addition, applicants may request up to a total of $300K for major equipment in the first year of the award to ensure that research aims can be met and biohazards can be contained.

Revision Applications for Basic Social and Behavioral Research on the Social, Cultural, Biological, and Psychological

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: RFA-MD-13-005

This FOA, issued as part of the NIH Basic Behavioral and Social Sciences Opportunity Network (OppNet), encourages revision applications to incorporate basic research on behavioral and social mechanisms underlying stigma into active R01 research projects. For this initiative, projects may focus on stigma processes and mechanisms from the perspective of stigmatized individuals or groups and/or of individuals or groups holding stigmatizing beliefs. Projects may examine stigma in the context of specific health conditions; however, the focus of the work must be on the underlying mechanisms of stigma rather than on condition-specific manifestations of stigma. Direct costs requested for this revision may not exceed $100K per year, not including consortia F&A. Applicants may request support for up to one year, not to exceed the currently awarded parent project period.
**Functional Characterization of Oral Cancer Initiating Cells (R01)**

National Institutes of Health, National Institute of Dental and Craniofacial Research (NIDCR)


Contact: Sundar Venkatachalam, 301/594-4812, sundarv@nih.gov

Solicitation number: RFA-DE-14-001

The primary objective of this FOA is to elucidate the cellular origins, molecular properties and functional roles of oral Cancer-Initiating Cells (CICs) and their microenvironment. The long-term objective is to use this knowledge to facilitate the development of new targeted and effective therapies for Oral Squamous Cell Carcinomas (OSCCs). The major intent is to move the field beyond phenotypic characterization of oral CICs and their niches and to support studies that provide actionable quantitative molecular data to target CICs effectively for the treatment of OSCC. Because the nature and scope of the proposed research will vary among applications, it is anticipated that the size and duration of each award will also vary. The maximum project period is four years. This FOA runs in parallel with another FOA of identical scientific scope, RFA-DE-14-002, that utilizes the R21 Exploratory/Developmental Grant mechanism.

**Genomes to Natural Products (U01)**

National Institutes of Health, National Institute of General Medical Sciences (NIGMS)


Contact: Barbara Gerratana, 301/594-3827, gerratanab@mail.nih.gov

Solicitation number: RFA-GM-14-002

This FOA seeks to speed the rate of discovery of natural products through development of genome and synthetic biology based platforms thus overcoming present technical and knowledge barriers in natural products discovery and in the ability to translate the genetic code (biosynthetic genes) into a chemical read-out (natural products). This FOA solicits applications from multidisciplinary research teams with well-integrated genomics, synthetic biology, and bioinformatics expertise, to develop innovative, high-throughput, and broadly applicable genome-based methods for natural products discovery that overcome technical barriers and fill knowledge gaps for translation of genetic information into chemical information. The research proposed should: 1) be applicable regardless of whether the natural product source(s) is cultivable, or the biosynthetic pathways are expressed in the native producer; 2) be applicable to a large variety of organisms and/or biosynthetic operons and with the production of natural products in model organisms being sufficient for high-throughput chemical characterization; 3) include uncharacterized natural products producers and/or biosynthetic operons and should not necessarily focus on natural products of proven medical relevance; and 4) advance studies of the regulation and function of biosynthetic enzymes, and is expected to contribute to the identification of novel enzymatic function and chemical entities. Projects are limited to total direct costs of $1.5M per year for up to five years but total cost cannot exceed $2.25M per year.

**Innovative and Novel Approaches toward Inner Ear Regenerative Therapies by Early Stage Investigators (R01)**

National Institutes of Health, National Institute on Deafness and Other Communication Disorders (NIDCD)


Contact: Nancy Freeman, 301/402-3458, FreemanN@mail.NIH.gov

Solicitation number: RFA-DC-13-002

The loss of hearing/balance affects numerous aspects of human communication and while it is not a fatal condition, the affect on quality of life is significant. Many factors may damage and affect sensory organs and reduce function, such as trauma, age, noise, and some medications. The purpose of this FOA is to invite Early Stage Investigators to submit research applications that target new and novel approaches toward biological therapeutic strategies for the successful restoration of hearing/balance function of the mammalian inner ear. The NIDCD is especially interested in those ESI's, from both the basic and clinical sciences, who bring new and innovative approaches and strategies from scientific fields minimally represented in the NIDCD portfolio, such as tissue fabrication, biomaterials, regenerative medicine. Preference will be given to those applications that bring unique and original approaches with the promise to drive inner ear therapies forward. NIDCD encourages novel and innovative approaches to this technically challenging but highly significant area. Applicants are strongly encouraged to think in the context of a translational vision in how the proposed experiments could result in a therapeutic path forward. The maximum project period is five years.
**Cancer Prevention Research Small Grant Program (R03)**
National Institutes of Health, National Cancer Institute (NCI)
Contact: Varies with research interest
Solicitation number: PAR-11-079
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 animal and/or translational research and/or human subjects-oriented research. New, as well as established, investigators in relevant fields and disciplines are encouraged to apply 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 grants.

**Safety and Effectiveness of Triple Antiretroviral Drug Strategies for Prevention of Mother to Child HIV Transmission**
National Institutes of Health, Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
Contact: Varies with research interest
Solicitation number: RFA-HD-14-027
This FOA invites applications to evaluate the safety and effectiveness of implementation of triple antiretroviral drug strategies for prevention of mother to child HIV transmission in resource-constrained settings - either an approach in which antiretroviral drugs stop after breastfeeding cessation in women who don't require therapy for their own health (termed by the World Health Organization "Option B") or a strategy in which life-long antiretroviral therapy is started in all pregnant women regardless of immune or clinical status (sometimes referred to as "Option B+"). Areas of interest include, but are not limited to: 1) Systems for surveillance of adverse pregnancy outcomes including preterm birth, stillbirth, and congenital anomalies among women receiving ARV with appropriate unexposed control groups; of particular interest are cohorts of women who conceive while receiving ART that is then continued throughout pregnancy; 2) Studies to evaluate the acceptability of and adherence to triple ARV regimens given to HIV-infected women for PMTCT, particularly in women not yet candidates for ART for their own health; 3) Optimal service organization and models to deliver ART and monitor its efficacy in maternal/child health and primary care settings; 4) Models to maximize retention in care and adherence to antiretrovirals during pregnancy, breastfeeding, and beyond; 5) Systems for surveillance for HIV resistance among women initiating on long-term ARV and among infants who become infected despite maternal ART; 6) Studies to evaluate the effectiveness of Option B/B+ on MTCT rates, both early, 6 week and importantly overall rates at the end of breastfeeding, and on HIV-free survival; 7) Studies to evaluate the hypothesized effectiveness and benefit of Option B/B+ on maternal health and prevention of sexual transmission among discordant partners; 8) Studies to evaluate the costs and cost-benefit of Option B/B+; and 9) Studies to evaluate the impact of Option B/B+ on the ability of the country program to serve all adults in need of treatment. The maximum project period is five years.

**National Science Foundation (NSF)**
Ongoing
**Catalyzing New International Collaborations**
National Science Foundation
Contact: Nancy Sung, 703/292-8710, OISE-CNIC@NSF.GOV
Solicitation number: NSF 12-573
This program supports the participation of U.S. researchers and students in activities intended to catalyze new international collaborations. NSF may consider proposals for collaborations with any country that is not explicitly proscribed by the Department of State. Activities can be in any field of science and engineering research and education supported by the NSF. The integration of research and education and of diversity into NSF programs, projects, and activities will be carefully considered. It is anticipated that approximately 40 awards will be made annually at a total investment of $2M, subject to the availability of funds. Proposals will be accepted anytime atleast nine months prior to the expected date of the proposed activity.
**Earth Sciences Instrumentation and Facilities (EAR IF)**
National Science Foundation, Geosciences (GEO)

Contact: Varies with research interest
Solicitation number: NSF 11-544

The Instrumentation and Facilities Program in the Division of Earth Sciences (EAR/IF) supports meritorious requests for infrastructure that promotes research and education in areas supported by the Division. EAR/IF will consider proposals for: Development of New Instrumentation, Analytical Techniques, or Software; Support of National or Regional Multi-User Facilities; or Support for Early Career Investigators. Proposals for Acquisition or Upgrade of Research Equipment will not be accepted in the Fiscal Year 2012 competition.

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**Grant Opportunities for Academic Liaison with Industry (GOALI)**
National Science Foundation, Cross-Directorate

Contact: Varies with research interest
Solicitation number: NSF 12-513

GOALI promotes university-industry partnerships by making project funds or fellowships/traineeships available to support an eclectic mix of industry-university linkages. Special interest is focused on affording the opportunity for: Faculty, postdoctoral fellows, and students to conduct research and gain experience in an industrial setting; Industrial scientists and engineers to bring industry’s perspective and integrative skills to academe; and Interdisciplinary university-industry teams to conduct research projects. Each directorate handles GOALI requests differently. Proposers must contact a specific program director in the disciplinary area of the proposed research for guidance on proposal submission.

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**NSF-FDA Scholar-in-Residence at FDA**
National Science Foundation, Computer and Information Sciences and Engineering (CISE), Engineering (ENG)

Contact: Leon Esterowitz, 703/292-7942, lesterow@nsf.gov
Solicitation number: NSF 10-533

This program comprises an interagency partnership for the investigation of scientific and engineering issues concerning emerging trends in medical device technology. This partnership is designed to enable investigators in science, engineering, and mathematics to develop research collaborations within the intramural research environment at the FDA. This solicitation features four flexible mechanisms for support of research at the FDA: 1) Faculty at FDA; 2) Graduate Student Fellowships; 3) Postdoctoral Fellowships; and 4) Undergraduate Student Research Experiences. Approximately three to ten awards will be given, with an estimated program budget of $500K.

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**High-Risk Research in Biological Anthropology and Archaeology (HRRBAA)**
National Science Foundation, Social, Behavioral, and Economic Sciences (SBE)

Contact: John Yellen, 703/292-8759, jyellen@nsf.gov
Solicitation number: NSF 08-523

Anthropological research may be conducted under unusual circumstances, often in distant locations. As a result the ability to conduct potentially important research may hinge on factors that are impossible to assess from a distance and some projects with potentially great payoffs may face difficulties in securing funding. This program gives small awards that provide investigators with the opportunity to assess the feasibility of an anthropological research project. The information gathered may then be used as the basis for preparing a more fully developed research program. Projects which face severe time constraints because of transient phenomena or access to materials may also be considered. Individual awards are limited to $35K and one year duration.
SBE Doctoral Dissertation Research Improvement Grants (SBE DDRIG)
National Science Foundation, Social, Behavioral, and Economic Sciences (SBE)
Contact: Varies with research interest
Solicitation number: NSF 11-547
The National Science Foundation’s Division of Behavioral and Cognitive Sciences (BCS) awards grants to doctoral students to improve the quality of dissertation research. These grants provide funds for items not normally available through the student’s university and allow doctoral students to undertake significant data-gathering projects and to conduct field research in settings away from their campus that would not otherwise be possible. Proposals are judged on the basis of their scientific merit, including the theoretical importance of the research question and the appropriateness of the proposed data and methodology to be used in addressing the question. The following Programs support dissertation research: Archaeology, Cultural Anthropology, Documenting Endangered Languages, Geography and Spatial Sciences, Linguistics, Biological Anthropology, Decision, Risk and Management Sciences, Economics, Law and Social Science, Methodology, Measurement, and Statistics, Political Science, Science, Technology, and Society, Sociology, Research on Science and Technology Surveys and Statistics Program, and Science of Science and Innovation Policy.

5/14/2013 INDP Projects Letter of Intent (required)
7/15/2013 INDP Projects Full Proposal

Cyberlearning: Transforming Education
National Science Foundation, Cross-Directorate
Contact: Varies with research interest
Solicitation number: NSF 11-587
Research supported by the Cyberlearning program will explore opportunities for promoting and assessing learning made possible by new technologies, ways to help learners capitalize on those opportunities, new practices that are made possible by learning technologies, and ways of using technology to promote deep and lasting learning of content, practices, skills, attitudes, and/or dispositions needed for engaged and productive citizenship. Cyberlearning awards will be made in three categories: Exploration Projects (EXP projects) explore the proof-of-concept or feasibility of a novel or innovative technology or use of such technology to promote learning; Design and Implementation Projects (DIP projects) will conduct research in the everyday environments in which people spend their lives, e.g., schools, homes, museums, parks, and the workplace; and Integration and Deployment Projects (INDP) will build on research that has already shown promise for promoting learning. The respective maximum funding amounts are $550K total for two to three years; $1.35M for four to five years; and up to $2.5M for up to five years.

5/22/2013 Full Proposal

Nanotechnology Undergraduate Education (NUE) in Engineering 2013 - Limited Submission
National Science Foundation, Cross-Directorate
Contact: Varies with research interest
Solicitation number: NSF 13-541
This solicitation aims at introducing nanoscale science, engineering, and technology through a variety of interdisciplinary approaches into undergraduate engineering education. The focus of the FY 2013 competition is on nanoscale engineering education with relevance to devices and systems and/or on the societal, ethical, economic and/or environmental issues relevant to nanotechnology. The lead PI must hold a faculty appointment within a College/Department of Engineering or College/Department of Engineering Technology within the submitting US academic institution. The maximum award is $200K over two years.
**Collections in Support of Biological Research (CSBR) 2013 - Limited Submission**

National Science Foundation, Biological Sciences (BIO)

Contact: Anne Maglia, 703/292-8470, dibrc@nsf.gov

Solicitation number: NSF 13-557

This program provides funds: 1) for improvements to secure, improve, and organize collections that are significant to the NSF BIO-funded research community; 2) to secure collections-related data for sustained, accurate, and efficient accessibility of the collection to the biological research community; and 3) to transfer collection ownership responsibilities. The CSBR program provides for enhancements that secure and improve existing collections, result in accessible digitized specimen-related data, and develop better methods for specimen curation and collection management. Biological collections supported include established living stock/culture collections, vouched non-living natural history collections, and jointly-curated ancillary collections such as preserved tissues and DNA libraries. Awards are limited to $500K for up to three years.

**Research Experiences for Undergraduates (REU)**

National Science Foundation, Cross-Directorate

Contact: http://www.nsf.gov/crssprgm/reu/reu_contacts.jsp

Solicitation number: NSF 13-542

This program supports active research participation by undergraduate students in any of the areas of research funded by NSF. 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. 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. Students do not apply to NSF to participate in REU activities. Students apply directly to REU Sites or to NSF-funded investigators who receive REU Supplements. Three years is the typical duration for REU Site awards in most NSF directorates; however, a duration of up to five years may be allowed in some cases. The typical REU Site hosts 8-10 students per year. The typical funding amount is $70K-$120K per year.

**George E. Brown, Jr. Network for Earthquake Engineering Simulation Operations FY 2015-FY 2019 (NEES2 Ops) - Li**

National Science Foundation

Contact: Joy Pauschke, 703/292-7024, jpauschk@nsf.gov

Solicitation number: NSF 13-537

Proposals are solicited by NSF’s Division of Civil, Mechanical and Manufacturing Innovation to provide, manage, operate, and maintain NEES2 to support frontier earthquake engineering research, innovation, education, and workforce development for the five-year period from October 1, 2014 to September 30, 2019. Recompeted through this solicitation for NEES2 are the following components: (a) a network-wide NEES2 management office (NMO) with the Principal Investigator (PI)/Network Director located at the lead institution, (b) four to six experimental facilities that provide the most critical and technically advanced capabilities and data needed by the earthquake engineering research community for transformative research, plus a post-earthquake, rapid response research (PERRR) facility, (c) community-driven, production-quality cyberinfrastructure, and (d) education and community outreach activities. This solicitation does not separately compete with the components. Instead, it requests proposals to integrate all these components into a cohesive earthquake engineering research infrastructure for FY 2015-FY 2019. The award is estimated to be $62M over five years.
**Smart and Connected Health (SCH)**

National Science Foundation, Cross-Directorate


Contact: Varies with research interest

Solicitation number: NSF 13-543

The goal of the SCH Program is to accelerate the development and use of innovative approaches that would support the much needed transformation of healthcare from reactive and hospital-centered to preventive, proactive, evidence-based, person-centered and focused on well-being rather than disease. The purpose of this program is to develop next generation health care solutions and encourage existing and new research communities to focus on breakthrough ideas in a variety of areas of value to health, such as sensor technology, networking, information and machine learning technology, decision support systems, modeling of behavioral and cognitive processes, as well as system and process modeling. Two classes of proposals will be considered in response to this solicitation: 1) Exploratory (EXP) projects: One or more investigators may propose projects to be funded up to $170K direct cost ($250K total cost) per year for up to three years; and 2) Integrative (INT) projects: Multidisciplinary teams of investigators may propose projects with funding between $170K and $370K direct cost (up to $500K total) per year for up to four years.

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**Gen-3 Engineering Research Centers (ERC)**

National Science Foundation, Engineering (ENG)


Contact: Lynn Preston, 703/292-5358, lpreston@nsf.gov

Solicitation number: NSF 13-560

The goal of this program is to create a culture in engineering research and education that integrates discovery with technological innovation to advance technology and produce graduates who will be creative U.S. innovators in a globally competitive economy.

Proposals are solicited in two tracks: (1) Open Topic ERCs, where the PI's are free to structure the engineered systems vision and research program without restrictions on the research content and (2) Nanosystems ERCs (NERCs), where the PIs are free to structure the engineered systems vision but the research program must include a substantial body of nanoscale fundamental research.

The initial award is for five years, with year one start-up budgets of up to $3.25M. Subsequently, there would be year two budgets of up to $3.5M, year three budgets of up to $3.75M and years four and five budgets of up to $4M each, pending satisfactory annual performance and availability of funding. Pending performance and the outcome of two renewal reviews in the third and sixth year, support for years six through eight is projected to be up to $4M in each of those years; and support for year nine and ten would be phased down at a reduced level of 33% of the prior year's support to prepare the ERC for self-sustainability.

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**Antarctic Artists and Writers Program**

National Science Foundation, Office of Polar Programs


Contact: Peter West, 703/292-7530, pwest@nsf.gov

Solicitation number: NSF 11-549

This Program supports writing and artistic projects specifically designed to increase understanding and appreciation of the Antarctic and of human activities on the southernmost continent. Program furnishes U.S. Antarctic Program operational support, and round-trip economy air tickets between the United States and the Southern Hemisphere, to artists and writers whose work requires them to be in the Antarctic to complete their proposed project. The Program does not provide any funding to participants, including for such items as salaries, materials, completion of the envisioned works, or any other purpose.
Hydrologic Sciences
National Science Foundation, Geosciences (GEO)
Contact: Thomas Torgersen, 703/292-4738, ttorgers@nsf.gov
Solicitation number: NSF 13-531
This program focuses on the fluxes of water in the environment that constitute the water cycle as well as the mass and energy transport function of the water cycle in the environment. The Program supports studying processes from rainfall to runoff to infiltration and streamflow; evaporation and transpiration; as well as the flow of water in soils and aquifers and the transport of suspended, dissolved and colloidal components. This program retains a strong focus on linking the fluxes of water and the components carried by water across the boundaries between various interacting components of the terrestrial system and the mechanisms by which these fluxes co-organize over a variety of timescales and/or alter the fundamentals of the interacting components. The Program is also interested in how water interacts with the solid phase, the landscape and the ecosystem as well as how such interactions and couplings are altered by land use and climate change. Studies may address aqueous geochemistry and solid phase interactions as well as physical, chemical, and biological processes as coupled to water transport. Regular research awards supported by HS are generally but not exclusively in the range of $250K to $700K and of 2-4 years duration. Hydrologic process synthesis projects should be at a level appropriate to the scope of topic and are expected to be conducted at total levels of <$1M over 3-5 years with an emphasis on support of graduate students and postdocs.

CISE-MPS Interdisciplinary Faculty Program in Quantum Information Science
National Science Foundation, Computer and Information Sciences and Engineering (CISE), Mathematical and Physical Sciences (M
Contact: Varies with research interest
Solicitation number: NSF 12-540
This program is designed to promote research in the area of Quantum Information Science (QIS) by providing resources to allow QIS researchers and researchers from the CISE or MPS disciplines to actively engage in joint research efforts, addressing problems at the interface between the mathematical and physical sciences and computer and information sciences through long-term visits by faculty to a host institution. NSF anticipates making three to four awards for each deadline. Awards are limited to $250K.
2013 Scalable Nanomanufacturing (SNM) - Limited Submission

National Science Foundation

Contact: Varies
Solicitation number: NSF 13-545

NSF announces a third year of a program on collaborative research and education in the area of scalable nanomanufacturing, including the long-term societal implications of the large-scale implementation of nanomanufacturing innovations. Although many nanofabrication techniques have demonstrated the ability to fabricate small quantities of nanomaterials and devices for characterization and evaluation purposes, the emphasis of this program is on research to overcome the key impediments that prevent the low cost production of useful nanomaterials, devices and systems at industrially relevant scale. Therefore, competitive proposals will incorporate three elements in their research plans:

• A persuasive argument that the nanomaterials, devices or systems to be produced have or are likely to have sufficient demand to justify eventual scale-up;
• A clearly identified and arguably complete set of research issues that must be addressed to enable the low cost production of high quality products; and
• A compelling research plan with clear objectives to overcome the identified research issues that is supported by preliminary results relevant to scale-up.

The mode of support is Nanoscale Interdisciplinary Research Teams (NIRT). Proposals submitted to this program must address at least one, and preferably more than one, of the following interconnected themes: a) Novel processes and techniques for continuous and scalable nanomanufacturing; b) Directed (e.g. physical/chemical/biological) self-assembly processes leading to heterogeneous nanostructures with the potential for high-rate production; c) Fundamental scientific research in well-defined areas that are compellingly justified as critical impediments to scale-up; d) Principles and design methods to produce machines and processes to manufacture nanoscale structures, devices and systems; and/or e) Societal, environmental and educational implications of the large-scale production and use of nanomaterials, devices and systems, including the life-cycle analysis of such nanomaterials, devices and systems. Awards will be in the range of $250K-$375K per year for four years, depending on the scope of the work proposed. Grants may be awarded in a variety of sizes and durations. The total request for NSF funding for each project, for all investigators and all organizations, may not exceed $1.5M.

6/5/2013 Full Proposal

Geophysics (PH)

National Science Foundation, Geosciences (GEO)

Contact: Robin Reichlin, 703/292-8556, rreichli@nsf.gov
Solicitation number: NSF 12-598

The Geophysics program supports basic research in the physics of the solid earth to explore its composition, structure, and processes. Laboratory, field, theoretical, and computational studies are supported. Topics include seismicity, seismic wave propagation, and the nature and occurrence of earthquakes; the earth’s magnetic, gravity, and electrical fields; the earth’s thermal structure; and geodynamics. Supported research also includes geophysical studies of active deformation, including geodesy, and studies of the properties and behavior of earth materials in support of geophysical observation and theory.

6/6/2013 Campus Notice of Intent (required)
8/7/2013 Full Proposal

Online Resource Center for Ethics Education in Science and Engineering (ORCEESE) - Limited Submission

National Science Foundation, Cross-Directorate

Contact: Varies by research area
Solicitation number: NSF 13-558

The program will fund one five-year award (2014-2018) to collect and curate multi-media materials (including research findings, pedagogical materials, and promising practices) for an online, state-of-the-art resource center that will support efforts by scientists and engineers to incorporate ethical issues and reasoning into their pedagogy and research. The online resource center should be creative, comprehensive, accessible, and evolving. The team will incorporate strategies and techniques to keep the Ethics Online Resource Center relevant and up to date. The anticipated total funding amount is up to $1.5M for a duration of five years.
6/14/2013    Research Coordination Networks (RCN)

National Science Foundation, Cross-Directorate
Contact: Alan Tessier, 703/292-7198, atessier@nsf.gov
Solicitation number: NSF 13-520

The goal of the RCN program is to advance a field or create new directions in research or education. Groups of investigators will be supported to communicate and coordinate their research, training and educational activities across disciplinary, organizational, geographic and international boundaries. Participating core programs in Biological Sciences (BIO), Geosciences (GEO), Social, Behavioral and Economic Sciences (SBE), Cyberinfrastructure (OCI), and Polar Programs (OPP) will accept general RCN proposals. Additional targeted tracks within the RCN programs are intended to foster linkages across directorates. The Science, Engineering and Education for Sustainability (RCN-SEES) track focuses on interdisciplinary topics that will advance sustainability science, engineering and education as an integrative approach to the challenges of adapting to environmental, social and cultural changes associated with growth and development of human populations, and attaining a sustainable energy future. The Undergraduate Biology Education (RCN-UBE) track could focus on any topic likely to lead to improved participation, learning, or assessment in undergraduate biology curricula. Individual awards for the general RCN and RCN-UBE may be up to $500K over a duration of five years. RCN-SEES awards may be up to $750K over a duration of 5 years. General (non-targeted) RCN proposals should be submitted to a participating program in BIO, GEO, SBE, OCI or OPP. Refer to the specific program website for submission dates. PIs are encouraged to discuss suitability of an RCN topic with the program.

6/15/2013    Innovation Corps Program (I-Corps)

National Science Foundation, Cross-Directorate
Contact: Errol Arkilic, 703/292-8095, earkilic@nsf.gov
Solicitation number: NSF 12-602

The purpose of this program is to identify NSF-funded researchers who will receive additional support -- in the form of mentoring and funding -- to accelerate innovation that can attract subsequent third-party funding. This grant gives the project team access to resources to help determine the readiness to transition technology developed by previously-funded or currently-funded NSF projects. The outcome of the I-Corps projects will be threefold: 1) a clear go/no go decision regarding viability of products and services, 2) should the decision be to move the effort forward, a transition plan to do so, and 3) a technology demonstration for potential partners. One to 25 awards not exceeding $50K will be made. The maximum award duration is six months.

6/28/2013    Industry/University Cooperative Research Centers Program (I/UCRC)

National Science Foundation
Contact: Varies with research interest
Solicitation number: NSF 12-516

This program develops long-term partnerships among industry, academe, and government. The centers are catalyzed by a small investment from the National Science Foundation (NSF) and are primarily supported by industry center members, with NSF taking a supporting role in the development and evolution of the center. Each center is established to conduct research that is of interest to both the industry members and the center faculty. An I/UCRC not only contributes to the Nation's research infrastructure base and enhances the intellectual capacity of the engineering and science workforce through the integration of research and education, but also encourages and fosters international cooperation and collaborative projects.
Geoinformatics (GI)
National Science Foundation, Geosciences (GEO)
Contact: Leonard Johnson, 703/292-8559, lejohnso@nsf.gov
Solicitation number: NSF 11-581
Proposals for the development of cyberinfrastructure for the geosciences (Geoinformatics) are solicited. NSF seeks the development and implementation of enabling information technology with impacts that extend beyond an individual investigator or small group of investigators and that facilitates the next generation of geosciences research. Proposals to this solicitation may seek support for community-driven development and implementation of databases; tools for data integration, interoperability, and visualization; software development and code hardening; and data-intensive/new computing methodologies that support the enhancement of geosciences research and education activities. Collaboration with computational scientists and the development of public/private partnerships are strongly encouraged. 5 to 10 awards will be made.

GeoPrisms Program
National Science Foundation, Geosciences (GEO)
Contact: Varies with research interest
Solicitation number: NSF 12-537
NSF invites proposals directed towards the program elements listed in the special-focus section of the FOA. GeoPRISMS will carry out interdisciplinary investigations of the coupled geodynamics, earth surface processes and climate interactions that build and modify continental margins over a wide range of time scales. GeoPRISMS investigations should be aimed towards a comprehensive understanding of the observable system properties, and can include theoretical, numerical and experimental studies, as well as field investigations.

Regional Research Conferences in the Mathematical Sciences
National Science Foundation, Mathematical and Physical Sciences (MPS)
Contact: Jennifer Pearl, 703/292-4492, jslimowi@nsf.gov
Solicitation number: NSF 13-550
The NSF-CBMS Regional Research Conferences in the Mathematical Sciences are a series of five-day conferences each of which features a distinguished lecturer delivering ten lectures on a topic of important current research in one sharply focused area of the mathematical sciences. CBMS will help publicize the funded conferences to the community and will handle the mechanics of publishing the monographs. The organizer/PI will be responsible for all other aspects of the conference, including inviting and reimbursing participants, making arrangements for facilities, and scheduling lectures and other activities. Since a major goal of these conferences is to attract new researchers into the field of the conference and to stimulate new research activity, institutions that are interested in upgrading or improving their research efforts are especially encouraged to apply. Each anticipated 1-year award will total approximately $35K including direct and indirect costs.
Widening Implementation & Demonstration of Evidence-Based Reforms (WIDER) - Limited Submission

National Science Foundation, Education and Human Resources (EHR)


Contact: VARIES

Solicitation number: NSF 13-552

Widening Implementation & Demonstration of Evidence-Based Reforms (WIDER) is fundamentally about achieving institutional transformation by substantially improving the uptake of educational innovations and practices that evidence supports as effective. The chief goal of WIDER is to transform institutions of higher education into supportive environments for STEM faculty members to substantially increase their use of evidence-based teaching and learning practices. In particular WIDER seeks this transformation for high enrollment, lower division courses required for many STEM majors and taken by many other students to fulfill general education distribution requirements.

The primary goal of WIDER is to increase substantially the scale of these improvements within and across the higher education sector in order to achieve:

(1) Improved student learning;
(2) Increased numbers of students choosing STEM majors, particularly from demographic groups underrepresented in STEM;
(3) Improved retention in the first two years and to graduation of all STEM majors.

Applicants may consider applying to WIDER at different levels of scale:

(1) Planning grants may be requested by single institutions or groups of collaborating institutions in order to develop a strategic approach for leveraging plans to increase institutional commitment to evidence-based teaching and learning. Planning grant proposals may request up to $250K over 2 years.

(2) Institutional Implementation proposals may be requested by single institutions to assist in carrying out plans for increasing the level of evidence-based teaching and learning. Institutional Implementation proposals would be expected to cover multiple STEM departments or disciplines. Proposals may request up to $2M over 3 years; however, it is expected that the amount requested will scale with the number of STEM disciplines, faculty members and/or students impacted.

(3) Community Implementation proposals may be submitted by consortia of multiple institutions of higher education, disciplinary societies, and college and university associations. Community Implementation proposals might focus on a single discipline in order to reach a tipping point of commitment to use of evidence-based teaching and learning methods. Proposals may request up to $750K over three years.

(4) Research projects that contribute to our broader understanding of how single institutions or types of institutions can successfully encourage greater use of evidence-based teaching and learning practices in STEM disciplines may request up to $500K over 4 years.

In general, WIDER will accept any proposal that addresses the general goal and objectives of WIDER. Bold ideas for dramatically changing the status quo are especially sought. WIDER will fund a set of proposals that will significantly expand our knowledge base about how to effect desirable changes in undergraduate education and, when implemented, will contribute towards educating a diverse and capable STEM workforce and STEM literate college graduates.

Petrology and Geochemistry

National Science Foundation, Geosciences (GEO)


Contact: Sonia Esperanca, 703/292-8554, sesperan@nsf.gov

Solicitation number: NSF 09-543

This program supports basic research that addresses the formation and evolution of our planet using petrological and geochemical characteristics of Earth materials in the crust, mantle, and core. Proposals generally address the petrology and high-temperature geochemistry of igneous and metamorphic rocks (including mantle samples), mineral physics, economic geology, and volcanology.
The Tectonics Program supports a broad range of field, laboratory, computational, and theoretical investigations aimed at understanding the formation, evolution, and deformation of continental lithosphere through time. Because understanding such large-scale phenomena commonly requires a variety of expertise and methods, Tectonics supports integrated research involving the disciplines of structural geology, petrology, geochronology, sedimentology, stratigraphy, geomorphology, rock mechanics, paleomagnetics, geodesy, and other geophysical techniques.

David Fountain, 703/292-4751, dfountai@nsf.gov


Contact:

NSF 09-542

Solicitation number: NSF 09-542

The ARI is a joint Domestic Nuclear Detection Office (DNDO) and NSF program seeking novel cross-cutting research that will enhance the nation’s ability to detect and interdict nuclear or radiological material outside of regulatory control, and otherwise help prevent nuclear or radiological attacks. This year’s solicitation topics will encompass a range of subjects, with an emphasis on unconventional, multidisciplinary approaches to threat detection. A number of small to medium awards are intended in the areas of novel approaches to extremely low-cost threat detection, orthogonal and informatics approaches to threat detection, deterrence analytics, and advanced forensics techniques. A single large award is intended for an integrated, multidisciplinary approach to shielded special nuclear material detection. Primary objectives of the ARI include advancing fundamental knowledge in the above areas and developing intellectual capacity in scientific fields relevant to long-term advances in these areas. The large award will not to exceed $1M annually for a maximum duration of five years inclusive of both direct and indirect costs. The requested budget for small to medium awards should adhere to the following: 1) Single Investigator Awards will average approximately $150K per year; and 2) Multi-disciplinary Awards will average approximately $350K per year for durations up to five years.

EHR seeks proposals that will help synthesize, build and/or expand research foundations in the following core areas: STEM learning, STEM learning environments, workforce development, and broadening participation in STEM. EHR invites researchers to identify and conduct research on questions or issues in order to advance the improvement of STEM learning in general, or to address specific challenges of great importance. Two types of proposals are invited: Core Research Proposals (maximum 5 years, $1.5M) that propose to study a foundational research question/issue designed to inform the transformation of STEM learning and education; and Capacity Building Proposals (maximum 3 years, $300K) intended to support groundwork necessary for advancing research within the four core areas.
Law & Social Sciences (LSS)
National Science Foundation, Social, Behavioral, and Economic Sciences (SBE)
Contact: Christian Meissner, 703/292-7808, cmeissne@nsf.gov
Solicitation number: NSF 12-507
This program considers proposals that address social scientific studies of law and law-like systems of rules. The program is inherently interdisciplinary and multi-methodological. Successful proposals describe research that advances scientific theory and understanding of the connections between law or legal processes and human behavior. LSS provides the following modes of support: 1) Standard Research Grants and Grants for Collaborative Research; 2) Doctoral Dissertation Research Improvement Grants; 3) Interdisciplinary Postdoctoral Fellowships; and 4) Workshop and Conference Proposals. Approximately 75 awards will be made.

Social Psychology
National Science Foundation
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5712
Contact: Varies with research interest
Solicitation number: PD-98-1332
This program supports basic research on human social behavior, including cultural differences and development over the life span. Among the many research topics supported are: attitude formation and change, social cognition, personality processes, interpersonal relations and group processes, the self, emotion, social comparison and social influence, and the psychophysiological and neurophysiological bases of social behavior. The scientific merit of a proposal depends on the following factors: 1) The problems investigated must be theoretically grounded; 2) The research should be based on empirical observation or be subject to empirical validation, 3) The research design must be appropriate to the questions asked; and 4) The proposed research must advance basic understanding of social behavior.

Geobiology and Low-Temperature Geochemistry
National Science Foundation, Geosciences (GEO)
Contact: Enriqueta Barrera, 703/292-8551, ebarrera@nsf.gov
Solicitation number: NSF 09-552
This program supports research on: 1) the interactions between biological and geological systems at all scales of space and time; 2) geomicrobiology and biomineralization processes; 3) the role of life in the transformation and evolution of the Earth's geochemical cycles; 4) inorganic and organic geochemical processes occurring at or near the Earth's surface now and in the past, and at the broad spectrum of interfaces ranging in scale from planetary and regional to mineral-surface and supramolecular; 5) mineralogy and chemistry of soils and sediments; 6) surficial chemical and biogeochemical systems and cycles and their modification through natural and anthropogenic change; and 7) development of tools, methods, and models for low-temperature geochemistry and geobiological research - such as those emerging from molecular biology - in the study of the terrestrial environment. This program is especially interested in proposals in emerging fields. Anticipated funding is $5.2M annually for 30-40 standard awards.
Geomorphology and Land Use Dynamics

National Science Foundation, Geosciences (GEO)


Contact:  Paul Cutler, 703/292-8548, pcutler@nsf.gov

Solicitation number:  NSF 09-537

This program supports innovative research into processes that shape and modify landscapes over a variety of length and time scales. The program encourages research that investigates quantitatively the coupling and feedback among such processes, their rates, and their relative roles, especially in the contexts of variation in climatic and tectonic influences and in light of changes due to human impact. Anticipated funding is $3M for a total of 15 to 25 standard or continuing grants per year.

Sedimentary Geology and Paleobiology (SGP)

National Science Foundation, Geosciences (GEO)


Contact:  Lisa Park Boush, 703/292-4724, lboush@nsf.gov

Solicitation number:  NSF 12-608

SGP supports research in a wide variety of areas in sedimentary geology and paleobiology in order to comprehend the full range of physical, biological, and chemical processes of Earth's dynamic system. The program supports the study of deep-time records of these processes archived in the Earth's sedimentary carapace (crust) at all spatial and temporal scales. These records are fingerprints of the processes that produced them and continue to shape the Earth. For the years 2013-2017, the Sedimentary Geology and Paleobiology Program will be sponsoring a two track opportunity that will consist of the normal SGP competition (Track 1) and bi-annually, a new track termed Earth-Life Transitions (ELT) (Track 2). Track 1: General Program supports general studies of: 1) the changing aspects of life, ecology, environments, and biogeography in past geologic time based on fossil plants, animals, and microbes; 2) all aspects of the Earth's sedimentary carapace - insights into geological processes recorded in its records and rich organic and inorganic resources locked in rock sequences; 3) the science of dating and measuring the sequence of events and rates of geological processes as manifested in Earth's past sedimentary and biological (fossil) record; 4) the geologic record of the production, transportation, and deposition of physical and chemical sediments; and 5) understanding Earth's deep-time (pre-Holocene) climate systems. Track 2: Earth-Life Transitions: The goals of the ELT track are: 1) to address critical questions about Earth-Life interactions in deep-time through the synergistic activities of multi-disciplinary science and 2) to enable team-based interdisciplinary projects involving stratigraphy, sedimentology, paleontology, proxy development, calibration and application studies, geochronology, and climate modeling at appropriately resolved scales of time and space, to understand major linked events of environmental, climate and biotic change at a mechanistic level. Anticipated funding is $6M annually for Track 1 and $4M biannually for Track 2.

Earth Sciences Postdoctoral Fellowships (EAR-PF)

National Science Foundation, Geosciences (GEO)


Contact:  Lina Patino, 703/292-5047, lpatino@nsf.gov

Solicitation number:  NSF 13-548

The Division of Earth Sciences (EAR) awards Postdoctoral Fellowships to recent recipients of doctoral degrees for research and training in topics relevant to Earth sciences. The fellows must develop and implement: 1) research projects that seek to address scientific questions within the purview of EAR programs; and 2) plans to broaden participation in Earth sciences. The program supports researchers for a period of up to 2 years with fellowships that can be taken to the institution of their choice (including facilities abroad). The program is intended to recognize beginning investigators of significant potential, and provide them with research experience, mentorship, and training that will establish them in leadership positions in the Earth Sciences community. The total fellowship amount is $87K per year.
Instrument Development for Biological Research (IDBR)

National Science Foundation, Biological Sciences (BIO)


Contact: Joyce Fernandes, 703/292-2209, jfernand@nsf.gov

Solicitation number: NSF 13-561

The IDBR Program supports the development of instrumentation that addresses demonstrated needs in biological research. The program accepts two types of proposals: 1) Innovation Proposals for the development of innovative instrumentation that permits new kinds of measurements, or instruments that significantly improve current technologies by at least an order of magnitude in fundamental aspects; and 2) Bridging Proposals for transforming, ‘one of a kind’ prototypes or high-end instruments into devices that are broadly available and utilizable without loss of capacity. The period of support requested for Innovation proposals should not exceed 36 months and should not exceed 24 months for Bridging proposals.

ADVANCE Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers

National Science Foundation, Cross-Directorate


Contact: Kelly Mack, 703/292-8575, kmack@nsf.gov

Solicitation number: NSF 12-584

The goal of the ADVANCE program is to develop systemic approaches to increase the representation and advancement of women in academic science, technology, engineering and mathematics (STEM) careers, thereby contributing to the development of a more diverse science and engineering workforce. For this deadline, the program will support Institutional Transformation (IT) awards. IT awards are expected to include innovative systemic organizational approaches to transform institutions of higher education in ways that will increase the participation and advancement of women in STEM academic careers. These awards support comprehensive programs for institution-wide change. NSF expects to make approximately seven Institutional Transformation five-year awards, at various award sizes. OR has not received any notices of intent. Contact funding@research.ucsb.edu if you are interested in submitting.

Other Federal

Building Disaster-Resilient Communities in Southern Africa

United States Agency for International Development (USAID)

http://www.grants.gov/search/search.do?mode=VIEW&oppId=215273

Contact: OFDA_APS@ofda.gov

Solicitation number: APS-OFDA-13-000001

Under this APS, OFDA is looking for innovative and proven ways of: 1) Building on the substantial investments in agriculture and nutrition interventions, by supporting complementary water, sanitation and hygiene (WASH) programming and community-based disaster risk management programming for the same at-risk populations to help fill gaps and address unmet needs; or 2) Further increasing resilience of the target population by integrating interventions that aim to enhance agriculture and food security, foster improved nutrition uptake through WASH waterborne disease mitigation; and improve community preparedness to natural disasters through community-based disaster risk management programs. While no ceiling has been established on the magnitude of individual applications, applicants are encouraged to keep costs reasonable in relation to the scope of their proposed activities. The program duration is 24 months.
Surdna Foundation Grants
Surdna Foundation
http://www.surdna.org/what-we-fund/funding-overview.html
Contact:  212/557-0010, questions@surdna.org
Solicitation number:

The Surdna Foundation fosters just and sustainable communities by making grants in the areas of: Sustainable Environments, with the goal of creating just and sustainable communities where consumption and conservation are balanced and innovative solutions to environmental problems improve people’s lives; Strong Local Economies, with the objective of providing early support for communities that seek to increase access to opportunity for all residents to build their wealth in a sustainable manner; and Thriving Cultures, with the purpose of strengthening both individual and institutional cultural assets, contributing to vibrant communities. Organizations are eligible for a maximum of three consecutive years of funding. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Smith Richardson Foundation Grants
Smith Richardson Foundation
http://www.srf.org/grants/guideline.php
Contact:  Varies with research interest
Solicitation number:

The two principal grant-making programs are: the International Security and Foreign Policy Program, with the objective of assisting the U.S. policy community in developing effective national security strategies and foreign policies, and the Domestic Public Policy Program, which supports projects that will help the public and policy makers understand and address critical challenges facing the United States. Requests for grants of $50K or less are reviewed on an ongoing basis. Requests for grants greater than $50K and for multi-year grant support are made at regular board meetings. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Asia Responsive Grants
Henry Luce Foundation
http://www.hluce.org/asiarespongrant.aspx
Contact:  212/489-7700, hlf1@hluce.org
Solicitation number:

These grants provide opportunities to improve understanding between the United States and the Asia-Pacific region. They typically support research, create new scholarly and public resources, or promote the exchange of ideas and information between Americans and Asians. These grants are limited to work in the humanities and social sciences concerned with Northeast and Southeast Asia, typically for longer-term programs or projects that respond to the needs and priorities of the Asian studies field and benefit a wide range of scholars and institutions. Requests for funding may be submitted at any time during the year, beginning with a brief letter of inquiry. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

PepsiCo Grants
Pfizer Inc.
http://www.pepsico.com/Purpose/PepsiCo-Contributions/Grants.html
Contact:  914/253-2000, pepsico.foundation@pepsi.com
Solicitation number:

PepsiCo is committed to advancing objectives related to education, health and wellness, diversity and inclusion, and thought leadership. In advancing these objectives, PepsiCo provides support to approved organizations on an equal-access basis. Applicants seeking a grant for less than $100K must first submit a brief Letter of Interest. Requests are evaluated on a rolling basis. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.
Ongoing

**Mellon Foundation Grants**
The Andrew W. Mellon Foundation  
[http://www.mellon.org/grant_programs/programs](http://www.mellon.org/grant_programs/programs)

Contact: Varies with research interest

Solicitation number:

The Foundation supports grantees within five defined program areas: Higher Education and Scholarship; Scholarly Communications and Information Technology; Museums and Art Conservation; Performing Arts; and Conservation and the Environment. The Foundation is committed to identifying the best ideas, and the ablest intellectual leaders in its areas of interest, as well as making certain that the leaders of the institutions that it supports are both exceptional and fully behind the proposed work. Funding varies with project scope and interested researchers are asked to submit letters of inquiry to the appropriate program. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

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Ongoing

**National Geographic Society Waitt Grants**
National Geographic Society  

Contact: waitt@ngs.org

Solicitation number:

Grants are made for exploratory fieldwork that holds promise for new breakthroughs in the natural and social sciences. Applications are processed as they are received and awarded quickly to allow researchers to take advantage of immediate opportunities. About 100 grants of $5K to $15K are awarded annually. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

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Ongoing

**Public Welfare Grants**
Public Welfare Foundation  
[http://www.publicwelfare.org/ApplyGrant/Guidelines.aspx](http://www.publicwelfare.org/ApplyGrant/Guidelines.aspx)

Contact: 202/965-1800, info@publicwelfare.org

Solicitation number:

The Foundation supports efforts to ensure fundamental rights and opportunities for people in need. The three program areas are: Criminal and Juvenile Justice, which seeks out grantees with strategies to lower rates of incarceration and decrease prison populations; Health Reform, which seeks to ensure that the voice of the consumer is heard on health reform; and Workers’ Rights, which supports organizations that are trying to improve the lives of working people. Though letters of inquiry may be submitted at any time, applicants should plan ahead. It takes up to one month after receiving a letter of inquiry to determine whether an invitation will be sent to submit a full proposal. Full proposals are reviewed in July, November, and March. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

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Ongoing

**Committee for Research and Exploration Grant**
National Geographic Society  

Contact: cre@ngs.org

Solicitation number:

The National Geographic Society awards grants for scientific field research and exploration with both a geographical dimension and relevance to other scientific fields. Applications are generally limited to the following disciplines: anthropology, archaeology, astronomy, biology, botany, geography, geology, oceanography, paleontology, and zoology. The committee is emphasizing multidisciplinary projects that address environmental issues. Most grant amounts range from $15K to $20K and are given for one year’s research. Approximately 250 grants are awarded per year. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.
**FSSS Grants-in-Aid Program**
The Foundation for the Scientific Study of Sexuality (FSSS)
http://www.sexscience.org/honors/fsss_grants_in_aid_program/
Contact: aletk001@umn.edu
Solicitation number:
This program provides up to $1K per grant to support scientific sexuality research in areas not likely to receive support from other sources. The money may be used for either a small project that can be completed with the help of the grant or as part of a larger study that might ultimately be funded from other sources. The competition is open to all professionals conducting research on human sexuality. Proposals involving uniquely timely research opportunities, new investigators, volunteer research teams, and actual, not pilot, projects are especially encouraged. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

**Waitt Foundation Grants**
Waitt Foundation
http://waittfoundation.org/grant-guidelines
Contact: 858/551-4400
Solicitation number:
The Waitt Foundation supports research with the potential for widespread benefit to humanity. Areas of interest are: Ocean Conservation; Scientific Innovation; Exploration and Discovery; and Community Building. In each of these areas, the Foundation looks for strategies to create tangible, measurable benefits. Of interest are proposals that test new approaches to problem-solving, as well as projects that have been successfully tested and are ready to go full scale. If a preliminary grant request falls within the current giving guidelines and initiatives, an invitation may be extended to submit a full grant proposal. There is a $100K minimum for all grant requests. Multi-year proposals will be considered. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

**Michelson Grants in Reproductive Biology**
Found Animals Foundation
http://michelson.foundanimals.org/michelson-grants
Contact: MichelsonPrize@foundanimals.org
Solicitation number:
Multiple multi-year grants are available for research in pursuit of non-surgical sterilization products or technologies for use on dogs and cats. Investigators are required to submit a brief letter of intent containing: a proposed approach for developing a single dose non-surgical sterilant; the rationale for proposing this approach; and an overview of required research. The Foundation recommends that work described in proposals not exceed three years’ duration and $250K per year. If the letter of intent is approved, investigators will be invited to submit a full grant application. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

**Energy Foundation Grants**
The Energy Foundation
http://www.ef.org/app_guidelines.cfm
Contact: 415/561-6700, energyfund@ef.org
Solicitation number:
The Energy Foundation awards grants and takes direct initiatives in the electric power, buildings, transportation, and climate sectors in the United States. PIs are encouraged to write a brief letter of inquiry describing the proposed project, its purpose, and the amount requested. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.
Lannan Foundation Grants

Lannan Foundation
http://www.lannan.org/lf/about/grant-guidelines/

Contact: 505/986-8160, info@lannan.org

Solicitation number:

Lannan Foundation is a family foundation dedicated to cultural freedom, diversity and creativity through projects which support exceptional contemporary artists and writers, as well as inspired Native activists in rural indigenous communities. The Foundation supports this mission by making grants to nonprofit organizations in the areas of contemporary visual art, literature, indigenous communities, and cultural freedom. Interested applicants are encouraged to contact a program director before submitting a letter of inquiry. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Mathers Grants

The G. Harold & Leila Y. Mathers Charitable Foundation
http://www.mathersfoundation.org/policies.html

Contact: 914/242-0465, admin@mathersfoundation.org

Solicitation number:

The 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. Formal requests will be either discouraged or invited based on specific detailed queries sent by mail, and are processed when received. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Conservation Trust Grant

National Geographic Society

Contact: conservationtrust@ngs.org

Solicitation number:

The objective of the Conservation Trust is to support conservation activities around the world as they fit within the mission of the National Geographic Society. The trust will fund projects that contribute significantly to the preservation and sustainable use of the Earth’s biological, cultural, and historical resources. Applicants are not expected to have PhDs or other advanced degrees. However, applicants must provide a record of prior research or conservation action as it pertains to the proposed project. While grant amounts vary greatly, most range from $15K to $20K. Pre-applications are accepted throughout the year. Applications are submitted by invitation only. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Environment Program

The William and Flora Hewlett Foundation
http://www.hewlett.org/programs/environment-program/

Contact: 650/234-4500

Solicitation number:

The Environment Program supports projects with goals to: conserve the Western United States and Canada for wildlife and people; slow global climate change by reducing greenhouse gas emissions; ensure that the US energy supply is clean and consumption is efficient; and address environmental problems that disproportionately affect disadvantaged communities in the San Francisco Bay Area. The Foundation accepts unsolicited letters of inquiry for its Western Conservation Program and its Energy and Climate Program. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.
Pollock-Krasner Grants
The Pollock-Krasner Foundation, Inc.
http://www.pkf.org/grant.html
Contact:  http://www.pkf.org/contact.html
Solicitation number:
The dual criteria for grants are recognizable artistic merit and demonstrable financial need, whether professional, personal or both. The Foundation's mission is to aid, internationally, those individuals who have worked as professional artists over a significant period of time. The Foundation welcomes, throughout the year, applications from visual artists who are painters, sculptors and artists who work on paper, including printmakers. There are no deadlines. Grants are intended for a one-year period of time. The size of the grant is determined by the individual circumstances of the artist. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Funding for Readings and Workshops
Poets & Writers
http://www.pw.org/content/funding_readingsworkshops
Contact:  310/481-7195
Solicitation number:
Poets & Writers provides fees to writers who give readings or conduct writing workshops. Each year, our Readings/Workshops program supports hundreds of writers participating in events in large cities and small towns throughout New York and California. Grants for readings or spoken word performances range from $50 to $350. Grants for workshops range from $100 to $200 per session. Applicants are encouraged to apply more than eight weeks in advance of the event. Grants are awarded on a rolling basis. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Mott Foundation Grants
The Charles Stewart Mott Foundation
http://www.mott.org/grantseeker.aspx
Contact:
Solicitation number:
The Charles Stewart Mott Foundation supports efforts in civil society, the environment, and pathways out of poverty. The median grant size is in the $100K range. The majority of grants are between $15K and $250K annually. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.
European Union 7th Framework Program for Research
European Commission
http://ec.europa.eu/research/participants/portal/page/fp7_calls

Contact: Varies with research interest
Solicitation number:

The European Commission supports a 7 billion euro research and development fund aimed at tackling the biggest societal challenges facing Europe and the world. Universities, research organizations, and industry will be among more than 16,000 funding recipients with special attention given to small and medium sized enterprises.

The Cooperation program supports all types of research and innovation activities carried out by different research bodies in transnational cooperation addressing the following themes: Health; Food, Agriculture and Fisheries, and Biotechnology; Information and Communication Technologies; Nanosciences, Nanotechnologies, Materials and new Production Technologies; Energy; Environment (including Climate Change); Transport (including Aeronautics); Socioeconomic Sciences and the Humanities; Space; and Security.

The Ideas program, implemented through the European Research Council (ERC), will boost Europe's competitiveness by helping to attract and retain the most talented scientists, supporting risk-taking and high-impact research, and promoting world-class scientific research in new, fast emerging fields. Researchers may be from any country but must conduct research in the EU.

The People program offers individuals the opportunity to follow a career in research by facilitating outgoing and incoming fellowships between the EU and other countries and other training opportunities.

The Capacities program aims to optimize the use and development of research infrastructures through seven areas of funding: Research infrastructures; Research for the benefit of SMEs; Regions of knowledge and support for regional research-driven clusters; Research potential of Convergence Regions; Science in society; Support to the coherent development of research policies; and International co-operation.

Deadlines vary according to the funding program, starting from October 2011 through March 2012. (Note: due to the complexities of the European Union's grant terms and conditions, please contact your Sponsored Projects Officer well in advance of the deadline)

Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Swiss International Short Visits
Swiss National Science Foundation
http://www.snf.ch/E/international/worldwide/international-short-visits/Pages/default.aspx

Contact: international@snf.ch
Solicitation number:

The International Short Visits of the SNSF allow for researchers working in Switzerland to go abroad or for researchers from elsewhere to come to Switzerland. The visits can last between one week and three months and are limited to one person (the visiting fellow) going to one institute (the host institute). Both the visiting fellow and one person from the host institute (the host) are co-applicants of the proposal. The SNSF pays lump sums contributing solely to travel (one round trip) and living expenses of the visiting fellow. The submission of an application is possible at any time, but must be deposited at least two months before the grant is due to start. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.
Humanities Program Grants
The Gladys Krieble Delmas Foundation
http://www.delmas.org/programs/humanities_d.html
Contact: 212/687-0011, info@delmas.org
Solicitation number:

The Foundation intends to further the humanities along a broad front, supporting projects which address the concerns of the historical studia humanitatis: a humanistic education rooted in the great traditions of the past; the formation of human beings according to cultural, moral, and aesthetic ideals derived from that past; and the ongoing debate over how these ideals may best be conceived and realized. Programs in the following areas are eligible: history; archaeology; literature; languages, both classical and modern; philosophy; ethics; comparative religion; the history; criticism, and theory of the arts; and those aspects of the social sciences which share the content and methods of humanistic disciplines. Inquiries are reviewed on an ongoing basis. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Changes in Health Care Financing and Organization (HCFO)
Robert Wood Johnson Foundation
http://pweb1.rwjf.org/applications/solicited/cfp.jsp?ID=21392
Contact: 202/292-6700, hcfo@academyhealth.org
Solicitation number:

HCFO supports research, policy analysis and evaluation projects that provide policy leaders timely information on health care policy, financing and organization issues. Supported projects include: examining significant issues and interventions related to health care financing and organization and their effects on health care costs, quality and access; and exploring or testing major new ways to finance and organize health care that have the potential to improve access to more affordable and higher quality health services. Small grants are for projects requiring $100K or less and projected to take up to 12 months or less. Large grants for projects requiring more than $100K and/or projected to take longer than 12 months. Proposals may be submitted at any time, and grants are awarded on a rolling basis. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Brain and Behavior Research Grants
Brain & Behavior Research Foundation
http://bbrfoundation.org/narsad-grants-and-prizes
Contact: grants@bbrfoundation.org
Solicitation number:

These grants are awarded to basic and/or clinical investigators. The NARSAD Young Investigator Grant supports scientists at the advanced post-doctoral or assistant professor (or equivalent) level. Grants are up to $60K over a two-year period, or $30K per year. The NARSAD Independent Investigator Grant supports scientists at the associate professor (or equivalent) level. Grants are up to $100K over a two-year period, or $50K per year. The NARSAD Distinguished Investigator Grant supports scientists at the full professor (or equivalent) level. Grants are up to $100K for one year. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.
CASIS Unsolicited Proposals

Center for the Advancement of Science in Space

http://www.iss-casis.org/Opportunities/UnsolicitedProposals.aspx

Contact: ideas@iss-casis.org

Solicitation number:

The International Space Station U.S. National Laboratory supports investigations across a broad spectrum of basic and applied research. As manager of this research platform, CASIS regularly provides solicitation opportunities in the life, physical, materials and observational sciences. However, CASIS also welcomes unsolicited proposals for research and product development that might be suitable for the National Lab. The CASIS mission is to fully utilize the National Lab, enabling cutting-edge research on station from every corner of the country. CASIS evaluates unsolicited proposals on a regular basis for scientific and economic merit and potential impact. If you have not yet secured funding for your proposed project, please note that proposals receiving high evaluation scores from this review may qualify for funding assistance from our implementation partners, and CASIS may facilitate matching of funds. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Thriving Cultures Program

Surdna Foundation

http://www.surdna.org/what-we-fund/thriving-cultures.html

Contact: 212/557-0010, grants@surdna.org

Solicitation number:

Culture helps people connect over time, inviting them to build and sustain the vibrant communities they call home. Thriving cultures honor and celebrate the artistic impulse as part of community behavior and as a way to strengthen community identity and cohesion. The Surdna Foundation believes that cultural organizations, programs and projects often provide the opportunity for exploration of values and can act as catalysts for the building of just, sustainable communities. At their best, they contribute to fair access to social goods such as rights, opportunities and dignity. Currently, Surdna’s Thriving Cultures Program will accept letters of inquiry in three lines of work: 1) Teens’ Artistic Advancement, 2) Artists Engaging in Social Change, and 3) Community Driven Design. The anticipated grant size ranges from $35K to $80K annually, with duration ranging from one-to-three years. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Environmental Management Participation Program for the U.S. Army Environmental Command (USAEC)

Oak Ridge Institute for Science and Education (ORISE)

http://see.orau.org/ProgramDescription.aspx?Program=10056

Contact: Kim Myers, 410306-9205, kim.myers@orau.org

Solicitation number:

The Army Environmental Commands mission is to lead and execute Army cleanup and environmental quality programs, providing technical expertise to enable Soldier readiness and sustainable military communities. Through the ORISE Environmental Management Participation Program, opportunities exist to participate in the following areas: environmental projects involving cultural and natural resources, restoration, compliance, conservation, pollution prevention, validation, demonstration, technology transfer, quality assurance and quality control, training, information management and reporting, and related programs. Appointments are made up to one year, full-time or part-time and are renewable up to a total of four years full-time participation for postgraduates and renewable up to a total of five years full-time participation for postdoctorates. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.
Fulbright Specialist Program
Council for International Exchange of Scholars
http://www.cies.org/specialists/
Contact: Margo Cunniffe, 202/686-6243, mcunniffe@iie.org
Solicitation number:

The Fulbright Specialist Program (FSP) promotes linkages between U.S. academics and professionals and their counterparts at host institutions overseas. The program is designed to award grants to qualified U.S. faculty and professionals, in select disciplines, to engage in short-term collaborative 2 to 6 week projects at host institutions in over 100 countries worldwide. International travel costs and a stipend are funded by the U.S. Department of State Bureau of Educational and Cultural Affairs. Participating host institutions cover grantee in-country expenses or provide in-kind services. Project activities focus on strengthening and supporting the development needs of host institutions abroad and do not fund personal or clinical medical research and related projects involving patient contact. Eligible activities include short-term lecturing, conducting seminars, teacher training, special conferences or workshops, as well as collaborating on curriculum planning, institutional and/or faculty development. U.S. faculty and professionals apply to join a Roster of Specialists for a 5 year term. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Anthropological Historical Archives Program
Wenner-Gren Foundation for Anthropological Research, Inc.
http://www.wennergren.org/programs/historical-archives-program-hap
Contact: 212/683-5000, inquiries@wennergren.org
Solicitation number:

The objective of this Program is to encourage the preservation of unpublished personal research materials of established anthropologists considered of value for research on the history of anthropology. HAP grants of a maximum of $15K are offered to individuals, to assist senior scholars at the end of their careers (or their heirs) with the expense of preparing and transferring their unpublished research materials for archival deposit. Applicants must show evidence that arrangements have been made with an appropriate archival repository. Funds are strictly limited to covering expenses related to the basic preparation of materials for archival deposit. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Humanities Research Projects
Gerda Hengel Foundation
http://www.gerda-henkel-stiftung.de/content.php?nav_id=370&language=en
Contact:
Solicitation number:

The grants for research projects involve, depending on the type of project, the assumption of costs for personnel, travel, materials and/or other costs. The applicants must be actively involved in the research work of the project. It is possible to apply for financing for your own post at a research establishment. The precondition: you have successfully completed your Ph.D. and afterwards have at least five years professional experience working in an academic field. Project participants can also be financed in the form of a research scholarship. As part of a research project, the costs incurred of visiting (foreign) scholars can also be financed. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.
Major Grants
Spencer Foundation
http://www.spencer.org/content.cfm/budgets-over-40000
Contact: Annie Brinkman, 312/274-6511, abrinkman@spencer.org
Solicitation number:
The Foundation is committed to supporting high-quality investigation of education. The Foundation makes grants in four specific
areas of inquiry: Education and Social Opportunity; Organizational Learning; Teaching, Learning, and Instructional Resources;
and Purposes and Values of Education. In addition to these defined areas, the Foundation will continue to accept Field-Initiated
Proposals. Major Grants have a budget of over $40K. Before applying to foundation opportunities, please contact Janice Hartoch
Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Cooperative Technologies for Unmanned Systems
Social Science Research Council (SSRC)
http://www07.grants.gov/search/search.do?mode=VIEW&oppId=230814
Contact: John Porche, 719/333-3190, john.porche@usafa.edu
Solicitation number: USAFA-BAA-2009-1-CALL-0011
The Academy Center for Unmanned Aircraft Systems Research seeks to find research solutions to better control heterogeneous,
autonomous, and cooperative unmanned systems. The research emphasis for future years is development of real-time
technologies associated with lightweight, cooperative, unmanned aircraft systems for an increasing number of military and
civilian unmanned systems applications. The particular interest areas for this work are development of cooperative unmanned
system technologies for heterogeneous mobile platforms with heterogeneous sensors used in asset protection missions, and
sensor fusion techniques to combine sensor outputs for geo-locating mobile targets. The anticipated period of performance for
the award resulting from this call is approximately 24 months. Before applying to foundation opportunities, please contact
Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and
coordination purposes.

Security, Society, and the State
Gerda Hengel Foundation
http://www.gerda-henkel-stiftung.de/content.php?nav_id=376&language=de - 1857
Contact:
Solicitation number:
This program targets new security-related issues that are prime examples of the post-Cold-War era but have been largely
neglected in mainstream research. The programme is intended to encourage junior scholars to pursue unconventional research
agendas that are nonetheless crucial, while providing senior scholars with the opportunity to focus intensively on work in
progress for a limited period. Moreover, the objective is to combine basic theoretical research with concepts that are applicable
to present-day political issues of security policy. The program addresses scholars of all disciplines in the humanities and social
sciences. Types of funding mainly include grants for research scholarships and research projects, but also conferences and
workshops. Doctoral fellowships are granted only if connected to a research project. Research projects should be closely related
to one or more of the five fields of research. The maximum amount of funding is €100,000 per project application. Before
applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations
(janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.
Pardee Foundation Grants
Elsa U. Pardee Foundation
http://www.pardeefoundation.org/grants.aspx
Contact:  989/832-3691, info@pardeefoundation.org
Solicitation number:
The Foundation funds 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. Project relevance to cancer detection, treatment, or cure should be clearly identified. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

International Collaborative Research Grants
The Wenner-Gren Foundation
http://www.wennergren.org/programs/international-collaborative-research-grants
Contact:  internationalprograms@wennergren.org
Solicitation number:
The International Collaborative Research Grant (ICRG) supports international research collaborations in anthropology between two or more qualified scholars, where the principal investigators bring different and complementary perspectives, knowledge, and/or skills to the project. The grants are for a maximum of $30K for the research project. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Conference and Workshop Grants
The Wenner-Gren Foundation
http://www.wennergren.org/programs/conference-and-workshop-grants
Contact:  212/683-5000, inquiries@wennergren.org
Solicitation number:
The foundation supports events that foster the creation of an international community of research scholars in anthropology and advance significant and innovative anthropological research. Conferences are defined as public events that are comprised primarily of oral and poster presentations to a larger audience of anthropologists. Workshops are defined as working meetings that focus on developing and debating topical issues in theoretical anthropology. Priority is given to those workshops that devote the majority of time to discussion and debate rather than to the presentation of papers. These grants are for amounts up to $15K. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Pacific Pioneer Fund
Stanford University
http://www.pacificpioneerfund.com/
Contact:  Armin Rosencranz, armin@stanford.edu
Solicitation number:
The purpose is to support emerging documentary filmmakers. The term "emerging" is intended to denote a person committed to the craft of making documentaries, who has demonstrated that commitment by several years - no more than 10 - of practical film or video experience. The fund does not support instructional or performance documentaries or student film projects. The fund does not make grants to individuals. Grants to support filmmakers are limited to filmmakers or videographers who live and work in California, Oregon and Washington. Grants will range from $1K-$10K. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.
Anthropology Conference and Workshop Grants

Wenner-Gren Foundation for Anthropological Research, Inc.

http://www.wennergren.org/programs/conference-and-workshop-grants

Contact: 212/683-5000, inquiries@wennergren.org

Solicitation number:

Conference and Workshop Grants are for amounts up to $20K. In accordance with the mission of the Foundation, priority is given to events that foster the creation of an international community of research scholars in anthropology and advance significant and innovative anthropological research. Conferences are defined as public events that are comprised primarily of oral and poster presentations to a larger audience of anthropologists. Workshops are defined as working meetings that focus on developing and debating topical issues in theoretical anthropology. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Special Grant Program in the Chemical Sciences

The Camille and Henry Dreyfus Foundation

http://www.dreyfus.org/awards/special_grant_program_chemical.shtml

Contact: 212/753-1760, programs@dreyfus.org

Solicitation number:

This program is open to institutions that have a focus in the chemical sciences. The Foundation encourages proposals that are judged likely to significantly advance the chemical sciences. Examples of areas of interest include (but are not limited to): the increase in public awareness, understanding, and appreciation of the chemical sciences; innovative approaches to chemistry education at all levels (K-12, undergraduate, and graduate); and efforts to make chemistry careers more attractive. Research proposals are not customarily considered. Aspects of proposals that are important are: broad applicability beyond the submitting institution; specific and detailed descriptions of the chemistry associated with the proposal; and uniqueness of the project. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

2014 Beckman Scholars Program Award - Limited Submission

Arnold and Mabel Beckman Foundation


Contact:

Solicitation number:

Beckman Scholar awards are institutional, university or college awards. Each year, the Arnold and Mabel Beckman Foundation will select a number of research, doctoral, masters and baccalaureate universities and colleges to be invited to submit applications for the Beckman Scholars Program. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.
New Scholar and Senior Scholar Awards in Neuroscience

The Ellison Medical Foundation


Contact: Kevin Lee, 212/577-9255, klee@ellisonfoundation.org

Solicitation number:

The goal of this program is to support innovative, basic neuroscience research that often falls outside the scope of traditional funding sources: such research may include projects involving the application of new concepts or new technologies whose feasibility is not yet proven; projects seeking commonalities among social and anti-social behaviors that might yield new insights into neural mechanisms of aggression and related violent disorders; or projects seeking to bring together diverse scientific disciplines in the study of aggression and social behaviors. Each New Scholar award will be made for up to $100K per year, total costs, for a four year period. Senior Scholar awards will be made for up to $150K direct costs per year, plus full indirect costs at the institution’s NIH negotiated rate, for up to four years. Investigators who are in the first three years of their independent research careers will be considered eligible for a New Scholar award. All other applicants are eligible for the Senior Scholar award. Full applications will be accepted in late September by invitation only. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Islam, the Modern Nation State and Transnational Movements

Gerda Hengel Foundation


Contact:

Solicitation number:

This program is aimed at researchers who, with an eye to current developments, are examining the emergence of political movements in the Islamic world at the national and/or transnational level. Historical studies are encouraged and supported, together with projects in the areas of religious, cultural or political science. Proposals will be supported that address the particularities and contexts of cultural and historical environments and relationships. The projects’ deliverables should be able to make a contribution to diverse and expert discussions in public and political circles. Applications are invited for funding research scholarships and research projects. PhD scholarships are only granted within the framework of the special programme in connection with a research project. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Central Asia

Gerda Hengel Foundation


Contact:

Solicitation number:

This program aims to stimulate academic research projects in the areas of Archaeology and Art History as well as projects in the fields of History, History of Islam, Architecture and the Fine Arts. Scientists from Central Asian countries are invited to apply for this programme. Moreover, it supports projects that ideally should be based on cooperation between scholars from the above-mentioned countries and European experts specialised in Central Asia. Grant proposals are invited for the following initiatives: 1) specific short-term research projects; 2) PhD and research scholarships in the researcher's home country and abroad (max. 24 months). The Foundation will not grant scholarships for the completion of Ph.D. projects; 3) limited travel grants for researchers from Central Asia to hold lectures and to attend academic conferences; and 4) measures to conserve and restore material held in libraries and archives and to support rescue excavations. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.
Santa Barbara Foundation Grants
Santa Barbara Foundation
Contact:
Solicitation number:
As the community foundation for the entire county, the Santa Barbara Foundation funds a wide range of initiatives and projects that address community needs, strengthen the nonprofit sector, develop community leadership, and encourage collaboration. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Leakey Research Grants
The Leakey Foundation
http://leakeyfoundation.org/grants/overview/general_grants_overview/
Contact: 415/561-4646, grants@leakeyfoundation.org
Solicitation number:
The Foundation funds research related specifically to human origins, including paleoanthropology, primate behavior, and studies of modern hunter-gatherer groups. Advanced doctoral students (advanced to candidacy) and established scientists are eligible for general research grants. The majority of the Foundation’s Research Grants to doctoral students are in the $3K to $13.5K range. Larger grants, especially to senior scientists and post-doctoral students, may be funded up to $22K. Priority of funding is commonly given to exploratory phases of promising new research projects that meet the stated purpose of the Foundation. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Solid Waste Research Request for Proposals
Environmental Research & Education Foundation (EREF)
Contact: Bryan Staley, 919/861-6876 ext. 102, proposals@erefdn.org
Solicitation number:
Researchers are invited to submit proposals on solid waste management focus areas outlined in EREF’s Strategic Research Plan. The goal of the strategic research plan is to achieve greater sustainability, good environmental stewardship, higher process efficiency and increased knowledge. It is EREF policy that any results from funded projects be made publicly available to all who are interested without bias. Thus, EREF will typically avoid funding proposals prepared with the following aims: 1) To directly commercialize and/or patent a particular technology or process; 2) To provide venture capital or operating funds for start-up companies; 3) To provide funds that primarily aid in the formation or initialization of community programs (e.g. recycling programs, re-use projects, etc.); 4) To directly support lobbying activities; and 5) To fund conferences or events, except as noted below under “Educational Projects.” Previously awarded grants have ranged from $15K to over $500K with the average grant being amount being $100K. EREF encourages submitting parties to form partnerships with other funding sources (real-dollars or in-kind services). Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.
Whitehall Foundation Grants
Whitehall Foundation
http://www.whitehall.org/grants/

Contact: 561/655-4474, email@whitehall.org
Solicitation number:
Research Grants are available to established scientists of all ages working at accredited institutions in the US. Grants normally range from $30K to $75K per year for up to three years. Grants-in-Aid are designed for researchers at the assistant professor level who experience difficulty in competing for research funds because they have not yet become firmly established. These grants can also be made to senior scientists. These grants do not exceed $30K over a one-year period. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

UC and State of California

Ongoing

California Wellness Grants
California Wellness Foundation
http://www.calwellness.org/how_to_apply/
Contact: 818/702-1900
Solicitation number:
The Foundation supports organizations working to improve the health of underserved communities in California. The following health issues are prioritized: Diversity in the Health Professions; Environmental Health; Healthy Aging; Mental Health; Teenage Pregnancy Prevention; Violence Prevention; Women’s Health; and Work and Health. While project funding requests are accepted, requests for core operating support are particularly encouraged. An organization must first write a one- or two-page letter of interest.

UC MEXUS Small Grants 2013
UC Institute for Mexico and the United States (UC MEXUS)
http://ucmexus.ucr.edu/funding/grant_small.html
Contact: Andrea Kaus, 951/827-3586, andrea.kaus@ucr.edu
Solicitation number:
UC MEXUS announces a small grants competition for travel, short-term research, initial planning, or other special one-time needs related to the seed phase of projects or programs conducted by University of California researchers or research teams in the areas of: 1) Mexico-Related Studies; 2) Latino Studies; 3) United States-Mexican Relations; 4) Critical U.S.-Mexico Issues; 5) Latino and Mexican Topics in the Arts; and 6) Collaborative Research Projects with Investigators at Mexican Institutions. Seed funds are available to support beginning projects in the areas listed above; travel to develop collaborations or to present the results of UC MEXUS-supported research projects; visiting scholars from Mexican institutions; lectures and performances; public service programs; and other short-term needs for the initial development of projects. Awards of up to $1.5K will be provided for a one-year period. Requests are encouraged for funds to match awards from campus sources.