Campus and Agency News

UCSB BRAIN Initiative Symposium

In order to capitalize on the momentum from the first UCSB BRAIN Initiative Strategy meeting (held on July 24th, research.ucsb.edu/research-development/brain/), UCSB plans to hold a one-day symposium focused on campus research that relates to the BRAIN Initiative, with the goal of forming new research collaborations in this area. The symposium will have the following components:

1. Presentations from faculty interested in the BRAIN Initiative, focused on work that is related to the BRAIN Initiative and the types of collaborations they are looking to establish. There will be 24 slots for faculty to give 10-minute presentations with 5 min Q&A following.
2. Coffee breaks and a lunch for informal discussions to launch collaborations
3. Wrap-up moderated discussion to define several working groups clustered around specific topics

A doodle poll has been created to determine the best date to hold this event. Please fill out the doodle poll with your availability. Options include days between September 16th and November 15th, including weekends. The date will be chosen to accommodate the most people, and the event will be held from 8am-5pm on campus. Please mark those where you could attend the majority of the day events.

http://doodle.com/sf3de2uycf59chp7

Also, it is extremely unlikely that the event can be scheduled to accommodate all interested participants. We would like to make sure that all faculty interested can contribute to this campus-wide discussion. In order to facilitate discussion outside of the symposium, we will:

1. Record the symposium talks with the PPT slides so that those that are unable to attend can access the presentations
2. Faculty that are unable to attend can record their own talk for dissemination
3. These presentations will be posted on a website for campus access.

This notice was sent out to the BRAIN-initiative-listserv– if you would like to join this listserv use this link:
https://listserv.ucsb.edu/lsv-cgi-bin/wa?SUBED1=Brain-initiative&A=1

Cottage Hospital-UCSB Special Research Award

Proposal Deadline: 10/01/2013

The Santa Barbara Cottage Hospital Research Committee, in cooperation with the University of California, Santa Barbara Office of Research, is pleased to issue this Request for Proposals for the 2013 Cottage Hospital - UCSB Special Research Award. This award for research with biomedical or biopsychological implications will be granted to the UCSB investigator who, in the Research Committee’s determination,
most closely meets the evaluation criteria as set out for this program. Special consideration will be given to junior investigators.

The Research Committee will consider with particular interest those proposals with clear medical significance, and that actively involve medical professionals associated with Cottage Health System (although this is not a requirement for this award).

The total award of $25,000 will include matching funds from the Santa Barbara Cottage Hospital Research Grant Program and UCSB Office of Research. As with all small grants from the Research Grant Program to University of California investigators, there are no indirect costs associated with these funds. Applications must be received by UCSB Sponsored Projects Office no later than Tuesday, October 1, 2013. The award will be funded during the fall of 2013. For application instructions, please contact Betsy Lazarine, Ph.D., Research Administrator at Cottage Hospital at 569-7436 or blazarin@sbcn.org, or Meredith Murr, Ph.D., Director, Research Development, Office of Research, UCSB at 893-3925, or murr@research.ucsb.edu.

Cover Page:  
http://www.research.ucsb.edu/media/163009/ucsb-sbch-cover-page-2013.doc
Application Instructions:  

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**NSF DEAR COLLEAGUE LETTERS**

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

**Dear Colleague Letter: Forensic Science - Opportunity for Breakthroughs in Fundamental and Basic Research and Education**  

This Dear Colleague Letter is to alert all basic science and engineering communities, including education researchers, to the Foundation’s interest in receiving proposals that, while investigating fundamental questions, seek to pose and test hypotheses that could inform research in forensic sciences. The interest spans both disciplinary and interdisciplinary research. Additionally, the wide public interest in forensics can provide an effective vehicle for basic research in science education. International partnerships, where appropriate, are encouraged, as are synergistic interactions with forensics and/or law enforcement agencies and organizations. Proposals for workshops to explore fundamental science drivers and their relevance to forensics are also welcome. NSF would be particularly interested in proposals that engage forensic scientists and experts in a collaborative fashion with basic science researchers.

**Dear Colleague Letter: Belmont Forum - FACCE-JPI Multilateral International Opportunities Fund Initiative**  

The Directorate for Geosciences announces a new Multilateral Research Funding Initiative between the Belmont Forum And Joint Programming Initiative on Agriculture, Food Security and Climate Change (FACCE-JPI). This partnership will provide international collaborative research opportunities that address the Belmont Challenge: “To deliver knowledge needed for action to mitigate and adapt to detrimental
environmental change and extreme hazardous events”. This call of the International Opportunities Fund will focus on addressing issues “Food Security and Land Use Change” that are best addressed through a coupled interdisciplinary and multinational approach.

Dear Colleague Letter - Announcement of Instrumentation Fund to Provide Mid-Scale Instrumentation for FY2014 Awards in Physics Division
The Physics Division has established a special Mid-Scale Instrumentation Fund that enables Program Officers to include an instrumentation allotment in awards beyond the level that might be feasible otherwise. This Fund does not constitute a separate program to which investigators can apply directly. Rather, anyone needing specialized equipment should request funding for that equipment as part of a regular proposal to a disciplinary program in the Division. It is not designed to be used for all instrumentation purchases needed by the awardee. Rather, the Fund can only be accessed when the level needed exceeds the $4M limit of the Major Research Instrumentation (MRI) program. Resources from the Mid-Scale Instrumentation Fund can be used for off-the-shelf purchases or for construction of specialized equipment. In the latter case, the construction must have a well-defined beginning, an explicit funding profile, and a well-defined completion point. Mid-Scale Instrumentation Fund resources are non-renewable and are intended to be one-time investments in the project.

Dear Colleague Letter - Announcement of Intent to use an Asynchronous Review Mechanism for Proposals submitted to the Physics Division during the FY2014 Competition
The Physics Division will be reviewing proposals submitted for review during the FY2014 competition using a combination of ad hoc and panel review. The panel review portion may use an asynchronous mechanism the Division piloted in FY2013. The review principles remain the same as those with which you may already be familiar. The only mechanistic difference is that panel members are able to review and provide input to the panel discussion in the weeks prior to the panel meeting rather than limiting the discussion to the narrow range of time dedicated to the face-to-face panel meeting itself. Our experience with the pilot indicates that the extra time that this mechanism allows can lead to a more thorough examination of all the proposals by the full panel and hence more useful input to the NSF and feedback to the PIs. In the course of implementation, all normal rules of conflict of interest and confidentiality of information will apply.

Dear Colleague Letter: Temporary Suspension of Division of Materials Research (DMR) Computational and Data-Driven Materials Research (CDMR) Program and Materials World Network (MWN) Program in Fiscal Year 2014; Sunset of the DMR International Materials Institutes (IMI) Program
This letter is to notify the community of status changes for three programs in the NSF Division of Materials Research in fiscal year 2014. The three programs are The International Materials Institutes (IMI), The Materials World Network (MWN) and Computational and Data-Driven Materials Research (CDMR). Please know that all of these programs are valued at NSF and the work accomplished through them is
laudable. The MWN has been in effect since 2004, enabling fully funded collaborations between US researchers and those abroad through coordinated review at the national agency level. DMR is changing the frequency of this competition from annual to biennial. Thus, there will be no competition in fiscal year 2014, and the biennial competition will commence with a solicitation in fiscal year 2015. Eight IMI have been supported by DMR and the final five are completing their awards in fiscal year 2014. DMR has decided to sunset this program and no further competitions will be run. The CDMR program was announced one year ago through a Dear Colleague Letter (NSF 12-122). For the upcoming window (fiscal year 2014), CDMR will not be a separate program. Interested Principal Investigators should consult with the Program Directors of DMR’s Condensed Matter and Materials Theory program (CMMT).

**Dear Colleague Letter - FY 2014 Sustainable Chemistry, Engineering, and Materials (SusChEM) Funding Opportunity**


The SusChEM initiative addresses the interrelated challenges of sustainable supply, engineering, production, and use of chemicals and materials. In FY 2014, the participating divisions are Chemistry (CHE); Chemical, Bioengineering, Environmental, and Transport Systems (CBET); Materials Research (DMR); Earth Sciences (EAR); and the Materials Engineering and Processing program in the Division of Civil, Mechanical and Manufacturing Innovation (CMMI). Fundamental research topics of interest in SusChEM include the replacement of rare, expensive, and/or toxic chemicals/materials with earth-abundant, inexpensive, and benign chemicals/materials; recycling of chemicals/materials that cannot be replaced; development of non-petroleum based sources of important raw materials; the elimination of waste products and enhancement in efficiencies of chemical reactions and processes; discovery of new separation science that will facilitate recycling and production of valuable chemicals/materials; and development and characterization of low cost, sustainable and scalable manufactured materials with improved properties. Proposals in response to this initiative should be submitted to the existing program of interest in the participating divisions within the existing submission window (deadline) of the program.

**CAMPUS HONORS AND AWARDS**

- **Matthew Begley**, professor of mechanical engineering, has been chosen as one of three recipients for the 2013 Fraunhofer-Bessel Research Award. The award is given for “an outstanding performance in applied research.”
- **Bassam Bamieh**, professor of mechanical engineering, has been selected as the recipient of the 2013 George S. Axelby Outstanding Paper Award. This award is the most prestigious best paper award in the discipline of control science, given the for best paper in the IEEE Transactions on Automatic Control.
- **Eckart Meiburg**, professor of mechanical engineering, has been elected as a Fellow of ASME, for outstanding leadership and contributions in the area of fluid mechanics, in particular in the areas of vortex dynamics, wake flows, multiphase flows, turbidity currents and the physics of a variety of hydrodynamic instabilities

**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:
  • NEH Faculty Summer Stipends 2014—Campus Deadline 8/20/2013; Application 9/26/2013

Programs with open campus spots (please contact funding@research.ucsb.edu if you are interested in submitting to one of these programs):
  • NIH Skin Diseases Research Core Centers (P30)—Letter of Intent 8/20/2013; Agency deadline 9/20/2013
  • IES Predoctoral Interdisciplinary Research Training Program in the Education Sciences—Agency deadline 9/4/2013
  • DOC Advanced Manufacturing Technology Consortia (AMTech) Program—Pre-application 9/6/2013; Application 10/21/2013
  • NSF Mid-Scale Innovations Program in Astronomical Sciences (MSIP)—Preliminary proposal (required) 9/16/2013; Application 2/21/2014 (by invitation only)
  • NIH Academic-Community Partnership Conference Series—Application 10/17/2013
Byl, K., Electrical & Computer Engineering, $90,000, General Dynamics Corporation, “2D Lagrangian Modeling and Optimization for Flexible-Spine Quadrupled Bounding.”


Ceniceros, H.D., Mathematics, $25,000, UC MEXUS, “Mathematical Modeling and 3-D Fluid Simulation on GPU cluster.”

Chen, I., Chemistry & Biochemistry, $1,000,000, Simons Foundation, “Evolutionary Fitness Landscapes in the Origin of Life.”

Cosden, M. (Department of Counseling, Clinical, and School Psychology), Gevirtz Research Institute, $26,660, Santa Barbara County, “Evaluation of Substance Abuse Treatment Court (SATC).”

Cosden, M. (Department of Counseling, Clinical, and School Psychology), Gevirtz Research Institute, $50,000, Santa Barbara County, “UCSB Evaluation of Family Treatment Drug Court: Children Affected by Methamphetamine.”

Cosden, M. (Department of Counseling, Clinical, and School Psychology), Sharkey, J. (Department of Counseling, Clinical, and School Psychology), Gevirtz Research Institute, $33,750, Santa Barbara County, “Bridges to Recovery (B2R).”

Cosden, M. (Department of Counseling, Clinical, and School Psychology), Gevirtz Research Institute, $45,000, Santa Barbara County, “UCSB Evaluation of Clean and Sober Drug Court.”

De Tomaso, A.W., Molecular, Cellular & Developmental Biology, $5,400, National Science Foundation, “Support for the North American Comparative Immunology Workshop in Santa Barbara, CA.”

Denbaars, S.P, Nakamura, S., Materials, $38,000, Q-Peak, “Solid-State Fundamental Mode Green Laser for Ocean Mine Detection.”

Feliciano, E., Student Health Service, $45,000, Santa Barbara County, “Education and Outreach to Students, Property Managers and Other Isla Vista Community Stakeholders on Binge Drinking Prevention.”


Keller, A.A. (Donald Bren School of Environmental Science & Management), Earth Research Institute, $45,000, National Science Foundation, “Second Sustainable Nanotechnology Conference (2013).”


Leach, L.L. (Molecular, Cellular & Developmental Biology), Clegg, D.O. (Molecular, Cellular & Developmental Biology), Neuroscience Research Institute, $2,100, Fight For Sight, Inc. (Prevent Blindness America), “The Role of Canonical Wnt Signaling in Differentiation of Retinal Pigment Epithelium from Human Embryonic Stem Cells.”


Mazin, B., Srypryt, P., Physics, $68,000, National Aeronautics and Space Administration, “Microwave Kinetic Inductance Detector Development.”


Mitragotri, S.S., Chemical Engineering, $100,000, Genentech, Inc., “Nanoparticles for site-specific targeted delivery of drugs.”

Mitragotri, S.S., Chemical Engineering, $1,253,210, National Institutes of Health, “Orally Bioactive Exenatide and Insulin for Type II Diabetes.”


Pollock, T., Materials, $0, Safran S.A., “718D Fatigue.”


Safinya, C.R. (Materials), Li, Y., Materials Research Laboratory, $945,000, Department of Energy, “Miniaturized Hybrid Materials Inspired by Nature.”

Saleh, O.A., Materials, $420,000, National Science Foundation, “Investigating the Structure of Flexible Polyelectrolytes.”


Sharkey, J. (Department of Counseling, Clinical, and School Psychology), Cosden, M. (Department of Counseling, Clinical, and School Psychology) Gevirtz Research Institute, $67,326, Santa Barbara County, “Criminal Justice Realignment (AB 109).”


Siegel, D.A. (Geography), Bell, T.W., earth research institute, $30,000, NASA Shared Services Center (NSSC), “Hyperspectral Remote Sensing of Kelp Condition in the Santa Barbara Channel.”


Speck, J.S., Denbaars, S.P., Materials, $4,150,000, King Abdulaziz City for Science and Technology, “High Performance Deep UV LED Array for Effective Microbial Sterilization.”

Taves, A. (Religious Studies), German, T. (Psychological & Brain Sciences), Interdisciplinary Humanities Center, $249,999, UC Riverside, “The Role of Near-Death Experiences in the Emergence of a Movement: A Quasi-Experimental Field Study of IANDS.”

Wilson, L. (Molecular, Cellular & Developmental Biology), Jordan, M.A., Neuroscience Research Institute, $773,782, Eisai Research Institute, “Functional Interactions between Eribulin and Microtubule +TIPS.”

Zhang, L., Chemistry & Biochemistry, $347,483, National Institutes of Health, “Upgrade of 500 MHz NMR Spectrometer.”

Zhao, Y., Computer Science, $15,000, National Science Foundation, “Student Travel Support for the COSN 2013 Conference.”
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 Commerce (DOC)

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>9/6/2013</td>
<td>Pre-applications (optional)</td>
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<tr>
<td>10/21/2013</td>
<td>Full Application</td>
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**Advanced Manufacturing Technology Consortia (AMTech) Program - Limited Submission**

Department of Commerce, National Institute of Standards and Technology (NIST)


Contact: Frank Gayle, 301/975-2830

Solicitation number: 2013-NIST-AMTECH-01

NIST is launching the AMTech Program to establish new and strengthen existing industry-led consortia to identify and prioritize research projects supporting long term industrial research needs. AMTech provides funding to consortia that are focused on developing advanced technologies to address major technological and related barriers that inhibit the growth of advanced manufacturing in the U.S. and the global competitiveness of U.S. companies. Awards will range from $250K to $500K over two years.

### Department of Defense (DOD)

Ongoing

**Naval Research Laboratory Broad Agency Announcement**

Naval Research Laboratory


Contact: Sue Kelly, 202/767-6815, nrlproposals@nrl.navy.mil

Solicitation number: BAA-N00173-03

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.
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.

Contact:
Angela Campbell, 937/656-7736, Angela.Campbell@wpafb.af.mil
Solicitation number: BAA-RQKM-2013-0005

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/web/grants/search-grants.html
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
U.S. Army Research Office
http://www07.grants.gov/search/search.do?mode=VIEW&oppid=219293
Contact: Varies with research interest
Solicitation number: W911NF-13-R-0001

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.
8/27/2013   Full Proposal
9/1/2013   Letter of Intent (encouraged)

Center of Excellence - Nature-Inspired Sciences
Air Force Office of Scientific Research (AFOSR)
http://www.grants.gov/web/grants/search-grants.html
Contact:  Patrick Bradshaw, 703/588-8492, Patrick.Bradshaw.3@us.af.mil
Solicitation number:  BAA-AFOSR-2013-0004
The primary objective of this FOA will be to develop and share the fundamental scientific knowledge required to understand and improve autonomous guidance, navigation, and control of nature-inspired bio-systems, to include sensor systems that may yield a decrease in the size, weight, and power of current systems and develop algorithms that quantitatively predict the effect of cost benefit ratio for incorporating various nature inspired concepts. The specific objectives of this FOA are to: 1) Identify and investigate novel sensory systems for guidance, navigation and control of autonomous flying vehicles, e.g. olfaction, acoustic, magnetic sensing, novel mechanosensing; 2) Understand strategies and techniques for fusing information from known and novel sensors and using that information to perform tasks (algorithms); and 3) Identify and validate the benefit and cost-to-benefit ratio of additional novel sensors and algorithms. The research must be mechanistic in nature (i.e., improve our understanding of basic mechanisms). The maximum amount awarded will not exceed $1M per year for a two-year project period with the possibility of two two-year extensions, subject to review. Cost sharing is not required but is encouraged.

9/5/2013   Research in Quantum Computing
Department of Defense (DoD)
Contact:  T.R. Govindan, t.r.govindan.civ@mail.mil
Solicitation number:  W911NF-13-R-0010
There are two separate research topics covered in this announcement: 1) Quantum characterization, verification, and validation; and 2) Advanced quantum computing measurement technology. Under Topic 1, Innovative proposals are sought to develop QCVV tools that will aid researchers as experiments begin to incorporate on the order of ten physical qubits. In particular, proposals should be focused on efficient (and near-optimal) methods for extracting metrics from experimental systems. For Topic 2, three performance parameters characterize quantum computing measurement techniques; (a) speed, (b) fidelity, and (c) resources. Proposals should address all three parameters. A successful proposal may include an especially aggressive improvement in one of these three areas with more modest improvements in the other two areas. Each proposal must clearly articulate the qubit technology and measurement process that it seeks to improve.

9/10/2013   Air Force Fiscal Year 2014 Young Investigator Research Program (YIP)
Air Force Office of Scientific Research (AFOSR)
http://www07.grants.gov/search/search.do?&mode=VIEW&oppId=237396
Contact:  Jason Marshall, 703/696-7721, afosryip@us.af.mil
Solicitation number:  BAA-AFOSR-2013-0005
This FOA supports scientists and engineers who have received Ph.D. or equivalent degrees in the last five years (on or after 1 May 2008) and who show exceptional ability and promise for conducting basic research. The objective of this program is to foster creative basic research in science and engineering, enhance early career development of outstanding young investigators, and increase opportunities for the young investigators to recognize the Air Force mission and the related challenges in science and engineering. The estimated value of each award is approximately $120K per year for three years.
**Multi-Tasking Catalysis**

Office of Naval Research (ONR)


Contact: Kenny Lipkowitz, kenny.lipkowitz@navy.mil

Solicitation number: Special Notice 13-SN-0022

The purpose of this announcement is to focus attention of the scientific community (1) on the areas to be studied, (2) to initiate dialogue amongst those interested in these areas, and (3) on the planned timetable for the submission of white papers and proposals. The program will address scientific and technical challenges in the area of multi-tasking catalysis: the goal of this Basic Research Challenge (BRC) is to expand the scope of catalysis. ONR’s immediate objectives include: delineating the types of external stimuli that might be used as input to make a switchable catalyst, assessing the thermodynamic and kinetic limits on those inputs, and probing the nature of stereoinduction by catalysts such that a set of rules or guidelines can be created for use by bench chemists and engineers. This basic research challenge focuses on polymer stereoisomerism, but other aspects of polymer synthesis are acceptable. What ONR seeks is a switchable catalyst that enables a product that could not easily be produced by two sequential reactions with different catalysts. Both small molecule synthesis and polymer systems can be pursued, and polymer depolymerization is likewise acceptable. The team should have 3-5 members and cover the areas of catalyst design (e.g., computational chemistry, informatics, etc.) and preparation, product synthesis, and analysis; if a device is to be included in the project a suitable evaluation program should be included in the proposal. The maximum award is $700K over a period of 48 months.

**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.

**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.
**Amyotrophic Lateral Sclerosis Therapeutic Development Award**

Department of Defense (DoD)


Contact: 301/682-5507, help@cdmrp.org

Solicitation number: W81XWH-13-ALSRP-TDA

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.

**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.

**FY13 Gulf War Illness Investigator-Initiated Research Award**

DoD Congressionally Directed Medical Research Programs


Contact: 301/682-5507, help@cdmrp.org

Solicitation number: W81XWH-13-GWIRP-IIRA

The GWIRP challenges the scientific community to design high-impact research that will improve the health and lives of veterans who have Gulf War Illness (GWI). GWI is characterized by multiple diverse symptoms that typically include chronic headache, widespread pain, cognitive difficulties, debilitating fatigue, gastrointestinal problems, respiratory symptoms, and other abnormalities that are not explained by established medical diagnoses or standard laboratory tests. The Investigator-Initiated Research Award (IIRA) supports research focusing on the complex of symptoms known as Gulf War Illness, improving its definition and diagnosis, characterizing disease symptoms, and better understanding its pathobiology. It is intended to encourage basic through clinical research aimed at identification of objective measures to distinguish ill from healthy veterans (e.g., biomarkers), elucidate potential treatment targets for GWI, or improve understanding of the pathobiology underlying GWI symptoms. The maximum allowable direct costs for the entire period of performance of up to three years are $600K plus indirect costs.
FY13 Gulf War Illness Innovative Treatment Evaluation Award
DoD Congressionally Directed Medical Research Programs
http://cdmrp.army.mil/funding/gwirp.shtml
Contact: 301/682-5507, help@cdmrp.org
Solicitation number: W81XWH-13-GWIRP-ITEA

The GWIRP challenges the scientific community to design high-impact research that will improve the health and lives of veterans who have Gulf War Illness (GWI). GWI is characterized by multiple diverse symptoms that typically include chronic headache, widespread pain, cognitive difficulties, debilitating fatigue, gastrointestinal problems, respiratory symptoms, and other abnormalities that are not explained by established medical diagnoses or standard laboratory tests. This award mechanism is designed to evaluate a broad scope of treatment approaches with potential for widespread application for GWI. The ITEA supports the early systematic evaluation of innovative treatment interventions with the potential to impact the health and lives of veterans with GWI. The results of preliminary studies funded by this award can provide proof of principle data and support future development of broader efficacy studies of the proposed interventions. The maximum allowable direct costs for the entire period of performance of up to three years are $450K plus indirect costs.

NGA Academic Research Program (NARP)
National Geospatial-Intelligence Agency
http://www.grants.gov/search/search.do?mode=VIEW&oppId=141713
Contact: NARPPO@nga.mil
Solicitation number: BAA HM0177-12-BAA-0001

NGA welcomes all innovative ideas for path-breaking research that may advance the NGA mission to provide timely, relevant, and accurate geospatial intelligence (GEOINT) in support of national security objectives. The objective of NARP is to support innovative, high-payoff research that provides the basis for revolutionary progress in areas of science and technology affecting the needs and mission of NGA. This research also supports the National System for Geospatial Intelligence (NSG), which is the combination of technology, systems and organizations that gather, produce, distribute and consume geospatial data and information. The end result is aimed at advancing GEOINT capabilities by improving analytical methods, enhancing and expanding systems capabilities, and leveraging resources for common NSG goals.

Long Range Broad Agency Announcement (BAA) for Navy and Marine Corps Science and Technology
Office of Naval Research (ONR)
http://www07.grants.gov/search/search.do;jsessionid=pKqpQI6QdyMv8DyklKpbvSDT9kQD6nvmW2zQS60ymTnLybWT8c3M1768
Contact: Varies with research interest
Solicitation number: ONRBA13-001

The ONR is interested in receiving proposals for Long-Range Science and Technology (S&T) Projects which offer potential for advancement and improvement of Navy and Marine Corps operations. The ONR Program Codes and the science and technology thrusts that ONR is pursuing are: 1) Expeditionary Maneuver Warfare & Combating Terrorism Department; 2) Command, Control, Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR); 3) Ocean Battlespace Sensing; 4) The Sea Warfare and Weapons Department; 5) Warfighter Performance; and 6) Naval Air Warfare and Weapons. Awards may take the form of contracts, grants, cooperative agreements, and other transaction agreements, as appropriate.

FY13 Broad Agency Announcement for Extramural Medical Research
U.S. Army Medical Research and Materiel Command
http://www.grants.gov/search/search.do?oppId=202913&mode=VIEW
Contact: USAMRAA@AIBS.org
Solicitation number: W81XWH-BAA-13-1

This Broad Agency Announcement (BAA) is intended to solicit extramural research and development ideas. Research areas of interest include: 1) Military Infectious Diseases Research Program; 2) Combat Casualty Care Research Program; 3) Military Operational Medicine Research Program; 4) Clinical and Rehabilitative Medicine Research Program; 5) Medical Biological Defense Research Program; 6) Medical Chemical Defense Research Program; 7) Medical Training and Health Information Sciences Program; and 8) Special Investment Areas. The total period of performance may be up to five years in length. This is a continuously open announcement; pre-proposal/pre-applications and full proposal/applications may be submitted at any time until September 30, 2013.
Science, Technology, Engineering & Mathematics (STEM) Education and Outreach for K-12 and Higher Education

Office of Naval Research (ONR)

http://www07.grants.gov/search/search.do?&mode=VIEW&oppId=212813

Contact: William Ellis, William.H.Ellis@navy.mil

Solicitation number: BAA 13-007

The ONR is interested in receiving proposals for developing innovative solutions that directly support the development and maintenance of a robust STEM workforce. Successful efforts will be targeted towards one or more of the following: K-12, Undergraduate, Graduate STEM education. The goal of any proposed effort should be to provide "game changing" solutions that will establish and maintain a diverse pipeline of U.S. citizens who are interested in participating in Naval STEM education programs and who ultimately will be interested in STEM careers. This BAA includes two focus areas: 1) STEM Education and Outreach programs aimed at Inspiring, Engaging, and Educating the next generation of scientists and engineers; and 2) Metrics and Evaluation to assess the effectiveness and impact of the DoN's STEM efforts. The period of performance of the awards will typically range from 12-36 months. ONR plans to fund individual awards in the range of $25K up to $200K per year. However, cost proposals for larger amounts will be considered when appropriate.

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.

FY14 Military Infectious Diseases Applied Research Award

DoD Congressionally Directed Medical Research Programs

http://cdmrp.army.mil/funding/dmrdp.shtml

Contact: 301/682-5507, help@cdmrp.org

Solicitation number: W81XWH-14-DMRDP-MID-ARA

All applications MUST specifically address at least one of the MID-ARA Focus Areas related to combat-related or trauma-induced wound infections. Research projects incorporating highthroughput drug screening and/or in silico modeling, as well as applications focused on areas other than those listed below should NOT be submitted. The MID-ARA Focus Areas are: 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 of up to three years are $2M including direct and indirect costs.
FY13 Prostate Cancer Idea Development Award
DoD Congressionally Directed Medical Research Programs
http://cdmrp.army.mil/funding/pcrp.shtml
Contact: 301/682-5507, help@cdmrp.org
Solicitation number: W81XWH-13-PCRP-IDA

The mission of the FY13 Prostate Cancer Research Program (PCRP) is to find and fund research that will lead to the elimination of death from prostate cancer and enhance the well-being of men experiencing the impact of the disease. The Idea Development Award supports new ideas that represent innovative approaches to prostate cancer research and have the potential to make an important contribution to the PCRP mission. Although groundbreaking research often involves a degree of risk, applications should be based on a sound scientific rationale that is established through logical reasoning and/or critical review and analysis of the literature. Due to this award’s emphasis on innovation, the presentation of preliminary data relevant to prostate cancer and the proposed project is encouraged but not required. The maximum allowable direct costs for the entire period of performance are $375K plus indirect costs for Established Investigators. If applying for the New Investigator Option, the maximum allowable direct costs amount for the entire period of performance are $225K plus indirect costs. The maximum period of performance is three years.

FY13 Prostate Cancer Biomarker Development Award
DoD Congressionally Directed Medical Research Programs
http://cdmrp.army.mil/funding/pcrp.shtml
Contact: 301/682-5507, help@cdmrp.org
Solicitation number: W81XWH-13-PCRP-BDA

The mission of the FY13 Prostate Cancer Research Program (PCRP) is to find and fund research that will lead to the elimination of death from prostate cancer and enhance the well-being of men experiencing the impact of the disease. The PCRP Biomarker Development Award supports high-impact research aimed at multi-institutional validation and/or qualification of prostate cancer biomarkers for crucial decision-making in prostate cancer management, including detection of aggressive disease, prognosis and progression, and prediction and assessment of response to therapy. It is anticipated that studies supported through this award will produce clinically useful biomarkers that will provide improved specificity for detection of clinically relevant prostate cancer, as well as distinguish between aggressive and indolent disease, which will in turn reduce the burdens of prostate cancer overtreatment and improve the clinical management of this disease. The maximum allowable direct costs for the entire period of performance of up to three years are $2.25M plus indirect costs.

FY13 Prostate Cancer Synergistic Idea Development Award
DoD Congressionally Directed Medical Research Programs
http://cdmrp.army.mil/funding/pcrp.shtml
Contact: 301/682-5507, help@cdmrp.org
Solicitation number: W81XWH-13-PCRP-SIDA

The mission of the FY13 Prostate Cancer Research Program (PCRP) is to find and fund research that will lead to the elimination of death from prostate cancer and enhance the well-being of men experiencing the impact of the disease. The Synergistic Idea Development Award supports new ideas that represent innovative approaches to prostate cancer research involving two or three independent, faculty-level PIs. These investigators should use complementary and synergistic perspectives to address a central problem or question in prostate cancer research. This award is designed to support both new and pre-existing partnerships. The overall goal of this award is to significantly accelerate advances in prostate cancer research to support the PCRP vision of conquering prostate cancer. The maximum allowable combined direct costs for the entire period of performance of up to three years are $750K plus indirect costs.
FY13 Prostate Cancer Transformative Impact Award
DoD Congressionally Directed Medical Research Programs
http://cdmrp.army.mil/funding/pcrp.shtml
Contact: 301/682-5507, help@cdmrp.org
Solicitation number: W81XWH-13-PCRP-TIA

The mission of the FY13 Prostate Cancer Research Program (PCRP) is to find and fund research that will lead to the elimination of death from prostate cancer and enhance the well-being of men experiencing the impact of the disease. The Transformative Impact Award supports prostate cancer research with near-term clinical relevance that will transform and revolutionize the clinical management of prostate cancer and make a major contribution to the elimination of death from prostate cancer and enhancing the well-being of men experiencing the impact of the disease. For the purpose of this award, clinical management of prostate cancer includes the wide spectrum of screening, detection, diagnosis, prognosis, and/or treatment. Although research that is deemed transformative must contend with potential risks, the proposed project(s) must be supported by thorough review of the literature, a sound rationale, and a well-designed research strategy. Applications must include substantive preliminary data to support the rationale and feasibility of the study. The maximum allowable direct costs for the entire period of performance of up to three years are $5M plus indirect costs.

The Digital Manufacturing and Design Innovation (DMDI) Institute
Department of the Army
www.grants.gov/search/search.do?mode=VIEW&oppId=237254
Contact: Jeffrey Knight, usarmy.redstone.acc.mbx.redstone-dmdipt@mail.mil
Solicitation number: BAA-13-01DMDI

This announcement is to solicit proposals to establish and sustain a Digital Manufacturing and Design Innovation (DMDI) Institute. DMDI is expected to accelerate research, development, and demonstration in the integration of Advanced Manufacturing Enterprise, Intelligent Machining, and Advanced Analytics; all in a secure and trusted cyber physical system, with institute initiatives in Work Force Development and Technology Demonstration. This Institute is envisioned to bring together large and small businesses, academia, and federal and state agencies to accelerate innovation by investing in industrially relevant manufacturing technologies. The DMDI Institute will serve as a technical center of excellence, providing the innovation infrastructure to support manufacturing enterprises of all sizes and ensure that the U.S. manufacturing sector is a key pillar in an enduring and thriving economy. The goal of the Institute is to increase the successful transition of digital manufacturing and innovative design technologies through advanced manufacturing, create an adaptive workforce capable of meeting industry needs, further increasing domestic competitiveness, and meet participating defense and civilian agency requirements. The anticipated funding amount is $70M over 5 years. In addition, the recipient must provide a minimum of $70.0M of industry or other non-federal government funding, to provide a required minimum 1:1 cost share.

Autism Research Idea Development Award FY13
DoD Congressionally Directed Medical Research Programs
http://cdmrp.army.mil/funding/arp.shtml
Contact: 301/682-5507, help@cdmrp.org
Solicitation number: W81XWH-13-ARP-IDA

The ARP Idea Development Award supports the development of innovative, high-risk/high-reward research that could lead to critical discoveries or major advancements that will accelerate progress in improving outcomes for individuals with autism. This award mechanism is designed to support innovative ideas with the potential to yield impactful data and new avenues of investigation. Through the Idea Development Award, the ARP seeks to promote multidisciplinary collaborations. This award seeks applications from all areas of basic and preclinical research but encourages applications that address the critical needs of the autism spectrum disorder (ASD) community in the following areas: 1) Understanding factors underlying the heterogeneity of clinical expression or response to treatment of ASD, excluding new gene discovery; 2) Conditions co-occurring with ASD; 3) Validation of new or existing therapeutic targets, excluding new gene discovery; 4) Psychosocial factors promoting success in key transitions to independence for individuals living with ASD; and 5) Factors promoting success in family/caregiver well-being. The maximum allowable direct costs for the entire three year period of performance are $350K plus indirect costs.
Lightweight and Modern Metals Manufacturing Innovation (LM3I) Institute
Office of Naval Research (ONR)
http://www.fbo.gov/?s=opportunity&mode=form&id=257e6acac39667ba149f1c14040cb18a&tab=core&cview=0
Contact: Wade Wargo, wade.wargo@navy.mil
Solicitation number: ONRBA13-019

This announcement solicits proposals to establish and sustain a Lightweight and Modern Metals Manufacturing Innovation (LM3I) Institute as part of the National Network for Manufacturing Innovation (NNMI). The purpose of the Institute is to accelerate advances in lightweight and modern metals processing and fabrication technologies (in the target range of MRL 4-7) and facilitate technology transition to U.S. manufacturing enterprises. These manufacturing advancements, in-turn, will spur the development, demonstration, and integration of new material, component, and system designs, for DoD and commercial applications. The DoD vision for this Institute is to bring together large and small businesses, academia, and federal and state agencies to accelerate innovation by investing in industrially-relevant advanced manufacturing technologies. The proposal submission process includes concept papers and written full proposals, and also may include oral presentations and/or site visits. The anticipated award amount is $70M, distributed across five years. In addition, the recipient must provide a minimum of $70M of industry or other non-federal government funding, to provide a required minimum 1:1 cost share.

Lung Cancer Research Idea Development Award
DoD Congressionally Directed Medical Research Programs
Contact: 301/682-5507, help@cdmrp.org
Solicitation number: W81XWH-13-LCRP-IDA

The Idea Development Award promotes new ideas that are still in the early stages of development and have the potential to yield impactful data and new avenues of investigation. This award supports conceptually innovative, high-risk/high-reward research that could lead to critical discoveries or major advancements that will accelerate progress toward eradicating deaths from lung cancer. Applications should include a well-formulated, testable hypothesis based on strong scientific rationale. To be considered for funding, applications for the FY13 LCRP Idea Development Award must address at least one of the seven Areas of Emphasis listed: 1) Identify or develop noninvasive or minimally invasive tools to improve the detection of the initial stages of lung cancer; 2) Identify, develop, and/or building upon already existing tools for screening or early detection of lung cancer. Screening may include, but is not limited to, computed tomography scans, X-rays, imaging biomarkers, genetics/genomics/proteomics/metabolomics, and assessment of risk factors; 3) Understand the molecular mechanisms of progression to clinically significant lung cancer; 4) Understand the molecular mechanisms that lead to various subtypes of lung cancer; 5) Identify innovative strategies for prevention and treatment of early lung cancer; 6) Understand predictive and prognostic markers to identify responders and nonresponders; and 7) Understand susceptibility or resistance to treatment. The maximum allowable direct costs for the entire period of performance of up to two years are $350K plus indirect costs.

Lung Cancer Research Career Development Award
DoD Congressionally Directed Medical Research Programs
Contact: 301/682-5507, help@cdmrp.org
Solicitation number: W81XWH-13-LCRP-CDA

This award supports early-career, independent investigators to conduct innovative research under the mentorship of an experienced lung cancer researcher as an opportunity to obtain the funding, mentoring, and experience necessary for productive, independent careers at the forefront of lung cancer research. This award is intended to support novel and innovative research projects with an emphasis on discovery. To be considered for funding, applications for the FY13 LCRP Career Development Award must address at least one of the seven Areas of Emphasis listed: 1) Identify or develop noninvasive or minimally invasive tools to improve the detection of the initial stages of lung cancer; 2) Identify, develop, and/or building upon already existing tools for screening or early detection of lung cancer. Screening may include, but is not limited to, computed tomography scans, X-rays, imaging biomarkers, genetics/genomics/proteomics/metabolomics, and assessment of risk factors; 3) Understand the molecular mechanisms of progression to clinically significant lung cancer; 4) Understand the molecular mechanisms that lead to various subtypes of lung cancer; 5) Identify innovative strategies for prevention and treatment of early lung cancer; 6) Understand predictive and prognostic markers to identify responders and nonresponders; and 7) Understand susceptibility or resistance to treatment. The maximum allowable direct costs for the entire period of performance of up to two years are $240K plus indirect costs.
The FY13 SCIRP challenges the scientific community to design innovative research that will foster new directions for and address neglected issues in the field of SCI-focused research. Though the SCIRP supports groundbreaking research, all projects must demonstrate solid scientific rationale. The FY13 SCIRP encourages applications that specifically address one or more of the following areas related to acute SCI: 1) Pre-hospital, en route care, and early hospital management of SCI; 2) Development, validation and timing of promising interventions to address issues during the first year after SCI, for example, deep vein thrombosis, infection, and pressure ulcers.; 3) Identification and validation of best practices during the first year after SCI; 4) Bladder, bowel, and sexual dysfunction; 5) Neuropathic pain and sensory dysfunction; 6) Functional deficits; and 7) The ambulatory and non-ambulatory clinical benefits of exoskeletal systems. The Investigator-Initiated Research Award is intended to support studies that have the potential to make an important contribution to SCI research and/or patient care. Projects are expected to be innovative, address an Area of Encouragement, and impact the health care needs of military Service members, Veterans, and/or their family members and caregivers. The maximum allowable direct costs for the entire period of performance of up to three years are $450K plus indirect costs.

The FY13 SCIRP challenges the scientific community to design qualitative research studies that will help researchers and clinicians better understand the experiences of individuals with SCI and thereby identify the most effective paths for adjusting to disability and/or improving overall quality of life, health, and functional status after SCI. The maximum allowable direct costs for the entire period of performance of up to three years are $400K plus indirect costs.

The FY13 SCIRP challenges the scientific community to design innovative research that will foster new directions for and address neglected issues in the field of SCI-focused research. The FY13 SCIRP encourages applications that specifically address one or more of the following areas related to acute SCI: 1) Pre-hospital, en route care, and early hospital management of SCI; 2) Development, validation and timing of promising interventions to address issues during the first year after SCI, for example, deep vein thrombosis, infection, and pressure ulcers.; 3) Identification and validation of best practices during the first year after SCI; 4) Bladder, bowel, and sexual dysfunction; 5) Neuropathic pain and sensory dysfunction; 6) Functional deficits; and 7) The ambulatory and non-ambulatory clinical benefits of exoskeletal systems. This award supports translational research that will accelerate the movement of promising ideas in spinal cord injury research into clinical applications. Observations that drive a research idea may be derived from a laboratory discovery, population-based studies, or a clinician’s first-hand knowledge of patients and anecdotal data. While the ultimate goal of translational research is to move an observation forward into clinical application, PIs should not view translational research as a one-way continuum from bench to bedside. The research plan must involve a reciprocal flow of ideas and information between basic and clinical science. The maximum allowable direct costs for the entire period of performance of up to three years are $750K plus indirect costs.
**FY14 Defense University Research Instrumentation Program (DURIP)**

Department of Defense (DoD)

http://www07.grants.gov/search/search.do?mode=VIEW&oppId=238081

Contact: Varies by agency

Solicitation number: PA-AFOSR-2013-0001

DURIP is designed to improve the capabilities of U.S. institutions of higher education to conduct research and to educate scientists and engineers in areas important to national defense, by providing funds for the acquisition of research equipment.

This announcement seeks proposals to purchase instrumentation in support of research in areas of interest to the DoD, including areas of research supported by the Army Research Office (ARO), the Office of Naval Research (ONR), and the Air Force Office of Scientific Research (AFOSR). The research areas of interest to the administering agencies are available on-line at the following addresses:

Army Research Office: http://www.aro.army.mil/ (select “Business” and then “Broad Agency Announcements”). See the most recent ARO Core Broad Agency Announcement for Basic and Applied Scientific Research.


Grants will be for the purchase of research equipment costing $50K or more, which typically cannot be purchased within the budgets of single-investigator awards. An individual award may not exceed $1.5M in DoD funding.

10/22/2013 Application (by invitation only)

**Peer Reviewed Cancer Research Idea Award with Special Focus**

DoD Congressionally Directed Medical Research Programs


Contact: 301/682-5507, help@cdmrp.org

Solicitation number: W81XWH-13-PRCRP-IA

The PRCRP Idea Award with Special Focus mechanism is intended to support innovative, untested, high-risk/potentially high-reward concepts, theories, paradigms, and/or methods in cancer research that are directly relevant to service members, their families, and other military beneficiaries. The proposed research project should include a well-formulated, testable hypothesis based on strong scientific rationale and study design. To be considered for funding, applications for the PRCRP Idea Award with Special Focus must address at least one of the following topic areas: 1) Blood cancers; 2) Colorectal cancer; 3) Genetic cancer research; 4) Kidney cancer; 5) Listeria vaccine for cancer; 6) Melanoma and other skin cancers; 7) Mesothelioma; 8) Neuroblastoma; 9) Pancreatic cancer; and 10) Pediatric brain tumors. The maximum allowable direct costs for the entire period of performance of up to two years are $300K plus indirect costs.

11/6/2013 Application

**Duchenne Muscular Dystrophy Investigator-Initiated Research Award**

DoD Congressionally Directed Medical Research Programs


Contact: 301/682-5507, help@cdmrp.org

Solicitation number: W81XWH-13-DMDRP-IIRA

All applications for the FY13 DMDRP funding opportunities must address at least one of the following focus areas: 1) Extension or expansion of preclinical translational data in support of the therapeutic development path (including independent replication and comparative studies); 2) Developing clinical biomarkers to improve evaluation of diagnosis, disease severity, disease progression, and/or response to treatment; 3) Assessment of clinical trial outcomes (invasive and non-invasive); and 4) Novel interventions that could improve clinical care and quality of life in the near term. The maximum period of performance is 3 years. The maximum allowable direct costs for the entire period of performance are $525K plus indirect costs. If requesting an Optional Qualified Collaborator, the maximum allowable direct costs for the entire period of performance are $675K plus indirect costs.
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 may 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.

Department of Energy (DOE)

Ongoing

Theoretical Research in Magnetic Fusion Energy Science

Department of Energy, Office of Science

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

8/22/2013 Application

Full-Spectrum Optimized Collection and Utilization of Sunlight (FOCUS)

Department of Energy, Advanced Research Projects Agency - Energy (ARPA-E)

https://arpa-e-foa.energy.gov/ - Foaldfca200cc-bf46-4789-a8c1-e2be7e41509e

Contact: ARPA-E-CO@hq.doe.gov

Solicitation number: DE-FOA-0000949

The overarching objective of the FOCUS Program is to create disruptive new solar energy conversion and storage technology options that enable far higher penetration of solar energy into the U.S. energy system than could be expected using only today’s PV, CSP and electrical storage options. Technical pathways to this goal include: 1) concentrating hybrid solar energy converters that optimize the utilization of the entire solar spectrum by inexpensively converting sunlight to both heat and electricity; and 2) inexpensive hybrid energy storage devices that require both electricity and heat as inputs, with electricity as the output. At technology maturity, energy systems incorporating these advanced converters and storage devices will be cost-competitive with other solutions: for example, electricity projects at utility scale will make dispatchable solar electricity competitive with conventional generation. A subsidiary objective of the FOCUS Program is to form a diverse research community (including, e.g., CSP mechanical engineers, PV semiconductor materials and device scientists, optics/photonics experts, chemists, low-cost manufacturing experts and system integrators) who will innovate together. Successful FOCUS projects will reduce energy-related emissions, decrease U.S. dependence on foreign energy sources, and provide U.S. leadership in advanced solar energy technology. Individual awards may vary between $250K and $10M over a maximum three-year project period. Cost sharing is required and ranges from five to 20 percent of the total project cost.
FY14 Early Career Research Program
Department of Energy


Contact: early.career@science.doe.gov

The Office of Science of the Department of Energy invites applications for support under the Early Career Research Program in the following program areas: Advanced Scientific Computing Research (ASCR); Biological and Environmental Research (BER); Basic Energy Sciences (BES), Fusion Energy Sciences (FES); High Energy Physics (HEP), and Nuclear Physics (NP). The purpose of this program is to support the development of individual research programs of outstanding scientists early in their careers and to stimulate research careers in the areas supported by the DOE Office of Science. The Principal Investigator must be an untenured Assistant Professor on the tenure track or an untenured Associate Professor on the tenure track at a U.S. academic institution as of the deadline for the application. No more than ten (10) years can have passed between the year the Principal Investigator's Ph.D. was awarded and the year of the deadline for the application. For the present competition, those who received doctorates no earlier than 2003 are eligible. The minimum award is $750K over five years.

9/30/2013 Application

FY 2013 Continuation of Solicitation for the Office of Science Financial Assistance Program
Department of Energy, Office of Science

http://www.grants.gov/search/search.do;jsessionid=1TL7Q4frtNrlCLBxvnnh1yhFX1fvRKH3LHzcSymVvr2Wtv7Qwdl-19770179

Contact: Varies with research interest

The mission of the DOE Office of Science is to deliver the scientific discoveries and major scientific tools that transform our understanding of nature and advance the economy, economic, and national security of the United States. The Office of Science of the DoE hereby announces its continuing interest in receiving grant applications for support of work in the following program areas: 1) Advanced Scientific Computing Research; 2) Basic Energy Sciences; 3) Biological and Environmental Research; 4) Fusion Energy Sciences; 5) High Energy Physics; 6) Nuclear Physics; and 7) Workforce Development for Teachers and Scientists. This FOA is the annual, broad, open solicitation that covers all of the research areas in the Office of Science and is open throughout the Fiscal Year. It is anticipated that approximately $400 million will be available for 200 to 350 DOE Office of Science new, renewal, continuing, and supplemental grant and cooperative agreement awards.

Environmental Protection Agency (EPA)

9/10/2013 Application

Susceptibility and Variability in Human Response to Chemical Exposure
Environmental Protection Agency

http://www.epa.gov/ncer/rfa/2013/2013_star_chemical_exposure.html

Contact: Mitch Lasat, 703/347-8099, lasat.mitch@epa.gov

Solicitation number: EPA-G2013-STAR-J1

The U.S. Environmental Protection Agency (EPA), as part of its Science to Achieve Results (STAR) program, is seeking applications proposing research to study life stage and/or genetic susceptibility in order to better characterize the sources of human variability in response to chemical exposure. The adverse outcome pathways (AOP) concept has the potential to serve as a framework for using susceptibility indicators, biomonitoring, and high throughput screening (HTS) data in an integrated manner to predict population responses to novel, potentially harmful, chemicals. While much emphasis has been placed on improved biomonitoring and HTS approaches, research is needed to understand the underlying factors that influence human susceptibility and to develop tools and methods for the identification and use of susceptibility indicators in this context. The potential funding per award is up to a total of $800K, including direct and indirect costs, with a maximum duration of four years.
New Methods in 21st Century Exposure Science

Environmental Protection Agency
http://www.epa.gov/ncer/rfa/2013/2013_star_exposure_science.html

Contact: Pasky Pascual, 703/347-8056, pascual.pasky@epa.gov
Solicitation number: EPA-G2013-STAR-K1

The EPA is seeking applications proposing innovative research to advance methods for characterizing real-world human exposure to chemicals associated with consumer products in indoor environments. This FOA provides the opportunity for the submission of applications for projects that may involve human subjects research. Advances in exposure science will provide tools to assess the potential impacts of chemicals in consumer products, enhance the capability to safely manage risks to human health, and generate information that individuals and communities can use to make informed choices about safe chemical and product use. This FOA seeks to support research that will: 1) Develop and/or apply innovative technologies and methods to characterize presence and co-occurrence of suites of semivolatile chemicals (dozens to hundreds) in real-world indoor environments associated with emissions from and use of consumer products; 2) Generate data to advance the scientific basis of exposure predictions by providing values for key model parameters, building confidence in model assumptions, and confirming model predictions for relevant pathways; and, 3) Develop and/or apply innovative technologies and methods to profile chemicals and related metabolites associated with consumer products in biological media. The potential funding per award is $900K with a maximum duration of three years.

National Aeronautics and Space Administration (NASA)

Ongoing

C.23 Planetary Major Equipment

National Aeronautics and Space Administration
http://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid=301993/solicitationId=%7B48D582D6-FF5B-B624-BF5B-B624-

Contact: Jeffrey Grossman, 202/358-1218, HQ-PME@mail.nasa.gov
Solicitation number: NNH12ZDA001N-PME

This program element 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.

8/30/2013 Proposal

New (Early Career) Investigator Program in Earth Science

National Aeronautics and Space Administration
http://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid=349807/solicitationId=%7BE757BD20-0401-C62D-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.
Research Opportunities In Aeronautics - 2013

National Aeronautics and Space Administration

http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={0A8625E4-D356-4A03-C358-EFD0D8A5562C}

Contact: Susan Minor, NASA-roa@nasa.gov

Solicitation number: NNH13ZEA001N

The Aeronautics Research Mission Directorate (ARMD) addresses the above objectives in six programs: the Fundamental Aeronautics Program, the Aviation Safety Program, the Airspace Systems Program, the Integrated Systems Research Program, the Aeronautics Test Program, and the Aeronautics Strategy and Management Program. The Airspace Systems Program will directly address the Air Traffic Management (ATM) research needs of the Next Generation Air Transportation Systems (NextGen) initiative as defined by the Joint Planning and Development Office (JPDO). The Aviation Safety Program will take a proactive approach to safety challenges with new and current vehicles and with operations in the Nation's current and future air transportation system. The Fundamental Aeronautics Program will pursue long-term, cutting edge research in all flight regimes to produce data, knowledge, and design tools that will be applicable across a broad range of air vehicles that fly through any atmosphere at any speed. The Integrated Systems Research Program will conduct research at an integrated system-level on promising concepts and technologies and explore/assess/demonstrate the benefits in relevant environments. The Aeronautics Test Program (ATP) is focused on ensuring a healthy suite of facilities and platforms to meet the nations testing needs including the development of new test instrumentation and test technologies. The Aeronautics Strategy and Management Program provides research and programmatic support that benefits each of the other five ARMD programs. The program efficiently manages directorate functions including: Innovative Concepts for Aviation, Education and Outreach, and Cross Program Operations. This NASA Research Announcement (NRA) solicits proposals for five of these programs: 1) Fundamental Aeronautics Program, 2) Aviation Safety Program, 3) Airspace Systems Program, 4) Integrated Systems Research Program, 5) Aeronautics Strategy and Management Program.

Nancy Grace Roman Technology Fellowships

National Aeronautics and Space Administration


Contact: Louis Kaluzienski, 202/358-0365, Louis.J.Kaluzienski@nasa.gov

Solicitation number: 202/358-0365, Louis.J.Kaluzienski@nasa.gov

The goals of the Nancy Grace Roman Technology Fellowship (RTF) program in Astrophysics are to give early career researchers the opportunity to develop the skills necessary to lead astrophysics flight instruments/projects and become principal investigators (PIs) of future astrophysics missions; to develop innovative technologies that have the potential to enable major scientific breakthroughs; and to foster new talent by putting early-career instrument builders on a trajectory towards long-term positions. The RTF is structured into three components with specific gates for entering the next phase. The first component is an initial one-year Concept Study to generate the detailed plans and commitments for developing the proposed astrophysics technology. The maximum award amount is $300K over the Concept Studies project period which is not exceed two years.

Publishing Historical Records

National Archives and Records Administration

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

Contact: 202/357-5010, nhpinc@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.
**Documenting Democracy - Access to Historical Records Projects**

National Archives and Records Administration  

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

Solicitation number: ACCESS-201310

This program supports projects that promote the preservation and use of America’s documentary heritage essential to understanding our democracy, history, and culture. NHPRC funds projects that deal with the following kinds of historical source material: records of state, county, municipal, tribal, or other non-Federal units of government; manuscripts, personal and family papers, or organizational and business archives; and collections of photographs, motion pictures, sound recordings, electronic records, and/or such visual materials as unpublished architectural, cartographic, and engineering drawings. A grant normally is up to $200K over one to two years.

**Innovation in Archives and Documentary Editing**

National Archives and Records Administration, National Historical Publications and Records Commission  

Contact: Lucy Barber, 202/357-5306, lucy.barber@nara.gov

Solicitation number: INNOVATION-201310

NHPRC supports projects that promote the preservation and use of America’s documentary heritage essential to understanding our democracy, history, and culture. Projects should explore innovative methods to improve the preservation, public discovery, or use of historical records or that focus on techniques and tools that will improve the professional performance and effectiveness of those who work with such records, such as archivists, documentary editors, and records managers. Projects must anticipate results that will affect more than a single institution or a single state. One to three grants of between $50K and $150K over one to three years will be made. Cost sharing is required - NHPRC provides no more than 50 percent of total project costs.

**Documenting Democracy - Access to Historical Records Project**

National Archives and Records Administration, National Historical Publications and Records Commission  

Contact: Alexander Lorch, 202/357-5101, alexander.lorch@nara.gov

Solicitation number: ACCESS-201310

The NHPRC seeks proposals that promote the preservation and use of the nation’s most valuable archival resources. Projects should expand our understanding of the American past by facilitating and enhancing access to primary source materials. The Commission will support such activities as establishing archives programs, processing archival collections at the basic or detailed levels, surveying and accessioning archival records, and converting existing archival collection finding aids to new online formats. Applicants may submit proposals for one or any combination of the following four project categories: 1) Basic Processing; 2) Detailed Processing; 3) Documentary Heritage; and 4) Retrospective Conversion of Descriptive Information. A grant normally is for one or two years and for up to $200K. Cost sharing is required. The NHPRC will provide up to 50 percent of the total project costs.

**National Endowment for the Humanities (NEH)**
NEH Faculty Summer Stipends 2014 - Limited Submission

The Interdisciplinary Humanities Center is now accepting applications for the National Endowment for the Humanities (NEH) 2014 Summer Stipend program. NEH Summer Stipends support individuals working full-time on a humanities project at any stage of development by providing $6K for two consecutive months of full-time research and writing.

Recipients have produced articles, monographs, books, digital materials, archaeological site reports, translations, editions, or other scholarly resources. Work in the creative arts or performing arts—such as the writing of fiction or poetry, painting, sculpting composing or performing music, acting, directing, and dance—is not eligible.

Summer Stipend recipients may hold other research grants during the tenure of their awards, but they must work full-time on their projects during the two months of their tenure. Summer Stipends normally support work carried out during the summer months. U.S. citizens or foreign nationals who have been living in the United States or its jurisdictions for at least the three years prior to the application deadline are eligible to apply for a Summer Stipend.

Individuals who have held a major fellowship or research grant or its equivalent within the last three academic years prior to the deadline are ineligible. A “major fellowship or research grant” is a postdoctoral research award that provides a stipend of at least $15K. Sabbaticals and grants from an individual’s own institution and stipends and grants from other sources supporting study and research during the summer are not considered major fellowships. Individuals who have previously received a Summer Stipend may apply to support a new stage in their project. These applications will be judged by the same criteria as other applications. Previous recipients, however, must wait five years from the time they received their award to reapply.

The program welcomes projects that respond to NEH’s Bridging Cultures initiative. Such projects could focus on cultures internationally or within the United States. International projects might seek to enlarge Americans’ understanding of other places and times, as well as other perspectives and intellectual traditions. American projects might explore the great variety of cultural influences on, and myriad subcultures within, American society. These projects might also investigate how Americans have approached and attempted to surmount seemingly unbridgeable cultural divides, or examine the ideals of civility and civic discourse that have informed this quest.

Enduring Questions

This grant program supports faculty members in the teaching and development of a new course that will foster intellectual community through the study of an enduring question. The course is to be developed by one or more (up to four) faculty members, but not team taught. The grant supports the work of faculty members in designing, preparing, and assessing the new course. The maximum award amount varies with the number of project directors from $22K to $38K.

Programming Grants to Accompany NEH on the Road Exhibitions

These grants support ancillary public humanities programs to accompany NEH on the Road traveling exhibitions. Typical formats involve lectures, reading and discussion programs, film discussion programs, Chautauqua presentations by scholars, family programs, exhibition tours, and other appropriate formats for reaching the general public. Successful applicants will be awarded a grant of $1K. The grant period should not exceed three months, including the period of time in which the exhibition is actually on display at the host institution.
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.

Research Supplements to Promote Re-Entry into Biomedical and Behavioral Research Careers (Admin Supp)

National Institutes of Health, Cross-Institute


Contact: Varies with research interest
Solicitation number: PA-12-150

The Office of Research on Women’s Health (ORWH), participating Institutes and Centers (ICs) of the NIH, and the Office of Dietary Supplements (ODS) announce the continuation of the program for administrative supplements to research grants to support individuals with high potential to re-enter an active research career after an interruption for family responsibilities or other qualifying circumstances. The purpose of these supplements is to encourage such individuals to re-enter research careers within the missions of all the program areas of NIH. This program will provide administrative supplements of up to $10K to existing NIH research grants for the purpose of supporting full-time or part-time research by these individuals to update their existing research skills and knowledge. Due dates vary by awarding IC.

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

Solicitation number: PAR-12-086

This award is designed to foster highly innovative or conceptually creative research related to drug abuse and addiction and how to prevent and treat them. It supports research that is high-risk and potentially high-impact that is underrepresented or not included in NIDA's current portfolio. The proposed research should: 1) test a highly novel and significant hypothesis for which there are scant precedent or preliminary data and which, if confirmed, would have a substantial impact on current thinking; and/or 2) develop or adapt innovative techniques or methods for addiction research, or that have promising future applicability to drug abuse research. Direct costs are limited to $125K per year for up to two years.
Skin Diseases Research Core Centers (P30) - Limited Submission

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


Contact: Carl Baker, 301/594-5017, bakerc@mail.nih.gov

Solicitation number: RFA-AR-14-001

The Skin Diseases Research Core Centers (SDRCs) will provide shared facilities and services to groups of established, currently funded investigators addressing scientific problems in skin biology and diseases, in order to improve efficiency, accelerate the pace of research, and ensure greater productivity. 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. 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.

Areas of skin research of interest to NIAMS that could benefit from shared core facilities include, but are not limited to:
1) Regulation of keratinocyte proliferation and differentiation, including signal transduction pathways, micro RNAs and other noncoding RNAs, and epigenetics; 2) Developmental biology of the epidermis and skin appendages; 3) Epithelial-mesenchymal interaction (e.g., dermal fibroblast’s role in hair follicle development); 4) Biology of skin stem cells; 5) Melanocyte biology, melanosome structure and biogenesis, inherited disorders of pigmentation; 6) Regenerative medicine, including therapeutic applications of skin stem cells and the development of artificial skin; 7) Structural integrity of the epidermis, barrier formation and delivery of therapeutics through the skin barrier; 8) Identification of the genetic basis of both rare and common skin diseases, including follow-up studies on pathogenesis and the generation of animal models of disease; 9) Mechanistic studies focused on the induction and regulation of adaptive and innate immunity of the skin; 10) Mechanistic studies focused on the induction and regulation of inflammation in the skin; 11) Basic and clinical research focused on immune and inflammatory diseases of skin; 12) Interactions of the skin microbiome with the host cutaneous immune system and role of the skin microbiome as a trigger for diseases in the NIAMS mission; 13) The molecular basis and clinical treatment of pruritis; 14) Prevention of skin diseases and research focused on the mechanisms of skin aging; 15) Identification and development of biomarkers for diagnosis, disease severity and progression of disease, and for monitoring the response to treatment; 16) Comparative effectiveness research studies focused on skin diseases; 17) The structure of ECM components (e.g., collagens, fibrillins), their normal assembly, interaction, function and their diseases (e.g., Marfan Syndrome, Ehlers-Danlos Syndrome); 18) Fibroblast biology and diseases (e.g., fibroblast diversity, their role in sclerosis and fibrosis); 19) Cutaneous vasculature normal development and diseases (e.g., endothelial cell biology, hemangioma, Port Wine Stain birthmarks); 20) Wound healing, normal ECM remodeling and diseases (e.g., matrix metalloproteases, chronic wounds, keloids); 21) Signal transduction in ECM (e.g., TGF-beta); 22) Ectopic mineralization in ECM (e.g., pseudoxanthoma elasticum); 23) Cutaneous sensory organ and innervation function (e.g., temperature and touch) and diseases.

Research Education Grants for Statistical and Computational Training in the Genetics of Addiction (R25)

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


Contact: Beth Babbecki, 301/435-0899, bbabecki@nida.mail.nih

Solicitation number: PAR-12-199

The purpose of this FOA is to encourage applications focused on research education in statistical and computational models to address genetics-based problems in addiction. Eligible participants may include undergraduate, graduate, and/or postdoctoral level students and may include both US and non-US citizens. The direct costs are limited to $500K annually for a period of up to five years.
Dual Purpose with Dual Benefit Research in Biomedicine and Agriculture Using Agriculturally Important Domestic Species

This FOA invites the submission of proposals that utilize agriculturally important domestic species to improve human health through the advancement of basic and translational research deemed highly relevant to both agricultural and biomedical research. This initiative is designed to facilitate and encourage comparative medicine research studies through the careful selection and refinement of farm animal models that mimic human developmental, physiological, and etiological processes to better understand disease origins and improve assisted reproduction efficiencies. It is envisioned that each proposal will address mission-relevant areas of both agencies. Application budgets are not limited but must reflect the actual needs of the proposed project. The maximum project period is five years.

Genomic Resource Grants for Community Resource Projects (U41)

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.

Educational Programs for Demography and Population Science, Family Planning and Contraception, and Reproductive Research

This FOA encourages Research Education Project (R25) grant applications for educational activities related to Demography and Population Science, Family Planning and Contraception, and Reproductive Research. NICHD encourages applications for educational programs for interdisciplinary approaches, methodology, and the dissemination and use of existing datasets. Although total direct costs are not capped, budget requests of more than $175K per year must be fully justified. The maximum project period is five years.

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

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.
NICHD Research Short Courses (R25)
National Institutes of Health, Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)
Contact: Dennis Twombly, 301/451-3371, dtwombly@mail.nih.gov
Solicitation number: PA-12-207

NICHD invites applications for grants to develop and conduct short-term research education programs to improve the knowledge and skills of a broad-based community of biomedical and behavioral researchers conducting research on reproductive, developmental, behavioral, social, and rehabilitative processes that determine the health and well-being of newborns, infants, children, adults, families, and populations. The program should include both didactic and hands-on experiences. If appropriate, the program may include activities to disseminate course materials and instructional experience to the scientific community. Programs focusing on uses of model organisms are encouraged. Direct costs for an application are limited to a maximum of $125K per year for up to five years. Course duration can vary from 1-12 weeks.

Centers on the Demography and Economics of Aging (P30)
National Institutes of Health, National Institute on Aging (NIA)
Contact: Lesa McQueen, 301/496-1472, McQueenL@mail.nih.gov
Solicitation number: RFA-AG-14-005

This FOA solicits Research and Development Center grant applications under the P30 grant mechanism in the areas of demography and economics of aging, including relevant interdisciplinary areas rooted in population-based social science research. Additional objectives are to support: 1) the development of innovative national and international networks of researchers; 2) the recruitment of new researchers into demography and economics of aging; 3) the development and enhanced sharing of relevant databases; the rapid application of research results from these databases; and 4) the development of statistical data enclaves and data sharing methods for the analysis of large-scale, often-longitudinal, databases with linked administrative, biological and/or genetic information. Projects that examine differentials by sex and race/ethnicity are especially encouraged. Application budgets are limited to $525K in first-year direct costs while an additional $120K in direct costs in the first year may be requested for the Coordinating Center function. The maximum project period is five years.

Evaluation of the Latent Reservoir in HIV-Infected Infants and Children with Early Antiretroviral Treatment and Vir
National Institutes of Health, Cross-Institute
Contact: Varies with research interest
Solicitation number: RFA-HD-14-026

In FY 2014, the Office of AIDS Research developed a new scientific research priority area for NIH that targets cure (elimination or functional cure) of HIV infection. However, most studies have focused on the pathogenesis of latent infection in HIV-infected adults and do not take into account the unique factors associated with pediatric HIV infection – for example, perinatal infection has an established time of infection; infection is established during a time of immunologic immaturity; there is an active thymus in infants and children; and initiation of therapy can occur within days or weeks of establishment of infection with early diagnosis. This FOA invites grant applications from institutions/organizations that propose to conduct studies of the latent reservoir in HIV-infected children who have had early treatment (antiretroviral therapy [ART] initiated at <6 months of age) and have had continuous viral suppression. These studies can be in developed or developing countries. Studies to create new or adapt existing animal models of perinatal HIV infection and early treatment can also be proposed. Budgets up to $750K direct costs per year for a maximum of five years may be requested.
Safety and Effectiveness of Triple Antiretroviral Drug Strategies for Prevention of Mother to Child HIV Transmission

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.

Methodologies and Formative Work for Combination HIV Prevention Approaches (R01)

This FOA invites applications to advance science that is needed for optimal HIV combination prevention intervention approaches. Recent advances in biomedical interventions with critical behavioral aspects (e.g., Pre-exposure Prophylaxis [PrEP], Treatment as Prevention) have changed how HIV prevention and treatment are conceptualized. This initiative is not intended to solicit and fund large-scale combination intervention trials. Rather, this initiative aims to support integral formative work and methodological innovations that are necessary to advance the science needed for optimal HIV combination prevention intervention approaches, including, but not limited to: 1) Indicator development research; 2) Enhanced understanding and use of existing datasets; 3) Advances in intervention development, implementation, and testing; and 4) Advances in implementation science to improve the uptake of efficacious interventions. Budgets for direct costs are limited to $500K per year for a maximum of five years. This FOA runs in parallel with FOAs of identical scientific scope, RFA-MH-14-181, which utilizes the R21 Exploratory/Developmental Research Grant mechanism; and RFA-MH-14-182, which utilizes the R34 Clinical Trial Planning Grant Program mechanism.
9/4/2013 Letter of Intent (optional)
10/4/2013 Application

**Systems Developmental Biology for Understanding Embryonic Development and the Ontogeny of Structural Birth**

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


Contact: Varies with research interest

Solicitation number: PAR-11-257

The purpose of this funding opportunity announcement (FOA) is to promote systems developmental biology. In the context of this FOA, systems developmental biology is defined as research focused on understanding how biological components work together to produce the complex biological phenomena encompassing embryonic development.

9/5/2013 Letter of Intent (required)
10/5/2014 Application
6/5/2014 Application
2/5/2014 Application

**Pregnancy in Women with Disabilities (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: PAR-11-258

This FOA encourages research project grants (R01) investigating the incidence, course, and outcomes of pregnancy among women with disabilities. Areas of interest also include studies to inform preconceptional and antenatal counseling and strategies for addressing barriers to prenatal care, and management of pregnancy, the puerperium, and the transition to parenthood in order to optimize outcomes for women with physical, intellectual and developmental, and/or sensory disabilities and their families. Applicants are encouraged to include women with disabilities and members of the community in the design and conduct of their research. The maximum project period is five years. This FOA runs in parallel with a FOA of identical scientific scope, PA-11-259, that utilizes the R21 Exploratory/Developmental Grant mechanism.

9/5/2013 Letter of Intent (optional)
10/5/2013 Application
1/5/2014 Letter of Intent (optional)
2/5/2014 Application

**Early-Stage Pharmacological Validation of Novel Targets and Accompanying Pre-Therapeutic Leads for Diseases of**

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


Contact: Aaron Pawlyk, 301/451-7299, pawlykac@mail.nih.gov

Solicitation number: PAR-13-007

The overarching goal of this FOA is to promote translation of basic science research into knowledge and tools that can be utilized to provide strong justification for later-phase drug discovery and development efforts in areas relevant to the National Institute of Diabetes and Digestive and Kidney Diseases. This includes obesity, diabetes and related aspects of endocrinology and metabolism, digestive diseases, liver diseases, nutrition, kidney and urological diseases, hematology, and specific aspects of cystic fibrosis. Its objective is to stimulate research and technology development to promote the early-stage pharmacological validation of drug targets and accompanying small molecule chemical scaffolds or non-viral biologics that are not currently a focus within the biotechnology and pharmaceutical industries. It is expected that there is significant novelty in either the target, chemical scaffold, or non-viral biologic itself, or in the approaches used to pursue further target validation. It is not intended to support research focused on understanding normal biology, disease processes, or generating lists of putative new targets. At the end of the project period, a successful project will have provided a significant contribution to the data supporting the validity of modulating a target’s activity for safe, efficacious treatment of a disease using a small molecule or non-viral biologic approach. Applications are limited to $500K in direct costs and the budget must reflect the scope of the proposed project. The maximum project period is five years.
Reducing the Duration of Untreated Psychosis in the United States (R01)

National Institutes of Mental 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.

Outcome Measures for Use in Treatment Trials for Individuals with Intellectual and Developmental Disabilities (R0)

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


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.

Biomarkers for Diabetes, Digestive, Kidney and Urologic Diseases Using Biosamples from the NIDDK Repository (R)

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


Contact: Varies with research interest

Solicitation number: PAR-13-228

This FOA will provide support for assays (and associated data analysis) of repository-held samples for studies focused on an NIDDK-relevant disease. The review of applications to this FOA will consider both access to repository-held samples and funding for assays using the samples. These studies are expected to generate scientific discoveries on disease mechanisms, disease pathogenic processes, disease progression, or clinical responses. Projects that make good use of the associated data from the clinical trials and studies, the original intent of the clinical study and/or trial are highly encouraged. Exploratory studies and discovery research are encouraged especially when samples are not severely limited, the work is justified, and the goal is consistent with the original intent of the clinical research. Application budgets are limited to $250K in direct costs per year, for up to three years.
Phenotyping Embryonic Lethal Knockout Mice (R01)

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PAR-13-231

The purpose of this FOA is to encourage applications to phenotype embryonic lethal knockout (KO) mouse strains being generated through the International Mouse Phenotyping Consortium (IMPC) of which the NIH Knockout Mouse Program (KOMP2) is a member. It is estimated that KO mouse phenotyping efforts will generate 20,000 mouse strains over the next decade of which about 30% will be embryonic or perinatal lethal. A large portion of homozygous lethal mutations are expected to have viable heterozygous phenotypes. The scientific community has the unique opportunity to leverage these mouse strains while they are being created and bred as part of the IMPC adult mouse phenotyping effort. Budgets for direct costs of up to $500K per year may be requested for up to five years.

Gut Microbiota-Derived Factors in the Integrated Physiology and Pathophysiology of Diseases within NIDDKs Missi

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


Contact: Michael Grey, 301/451-3759, greymj@mail.nih.gov

Solicitation number: PAR-13-293

The purpose of this FOA is to encourage investigator-initiated multidisciplinary R01 research projects to define interactions between the host and the gut microbiota that regulate normal physiology and pathophysiology of diseases within NIDDK's mission. The goal of the research projects is to discover specific human gut microbiota-derived factors that affect or are affected by host physiology (including diet/nutrition), homeostasis, and disease pathophysiology. Specific research areas that are of interest to the NIDDK include, but are not limited to, identifying gut microbiota (including probiotic)-derived factors and defining mechanisms by which they: 1) Regulate dynamics of microbiota community structure in response to diet or disease phenotypes of interest to NIDDK; 2) Convey immunomodulatory properties in the gut and regulate differentiation or activation of immune cell subsets; and 3) Contribute to the intestinal stem cell niche and intestinal epithelial development, repair, or renewal. Application budgets are not limited and the maximum project period is five years.

HIV Infection of the Central Nervous System (R01)

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PA-11-014

This FOA invites research grant applications focused on defining the pathogenic mechanisms involved in Human Immunodeficiency Virus (HIV)-1 Associated Neurocognitive Disorders (HAND) and identifying therapeutic strategies to treat and prevent the neurobehavioral and neurological effects of HIV-1 on the central nervous system (CNS). Applications ranging from basic research to clinical diagnosis and treatment in domestic and international settings are of interest. Multidisciplinary research teams and collaborative alliances are encouraged but not required. The maximum project period is five years.
Centers Program for Research on HIV and AIDS and Mental Health (P30)
National Institutes of Health, National Institute of Mental Health (NIMH)
Contact: Andrew Forsyth, 301/443-8403, aforsyth@mail.nih.gov
Solicitation number: PAR-11-019

This FOA encourages applications for Center Core grants (P30) to support either HIV/AIDS Research Centers (ARC) or Developmental ARCs (D-ARC). The ARC/D-ARC Program is intended to provide infrastructural support that facilitates the development of high impact science in HIV/AIDS and mental health that is relevant to the NIMH mission. Applicants may request up to $750K total costs per year for up to four years for a D-ARC, or $1.75M total costs per year for up to five years for an ARC.

Drug Abuse Aspects of HIV & AIDS (R01)
National Institutes of Health, National Institute on Drug Abuse (NIDA)
http://grants.nih.gov/grants/guide/pa-files/PA-12-293.html
Contact: Varies with research interest
Solicitation number: PA-12-293

This FOA encourages R01 applications to examine the drug abuse aspects of HIV/AIDS, including research on drug-related risk behaviors, addiction and HIV disease, and drug use/HIV-related co-morbidities and consequences. Applications are needed to identify and predict changes in the epidemiology of HIV/AIDS among injection and non-injection drug users and among their sexual partners; to develop and test interventions for primary and secondary HIV prevention, including drug treatment interventions; to improve HIV testing, counseling, and treatment services for those living with HIV/AIDS; and to address basic mechanisms involved in HIV infection and AIDS pathogenesis in the context of drug abuse and addiction. This FOA envisions a range of national and international research projects within and across the priority areas for NIDA research including but not limited to: 1) Drug Abuse and HIV Prevention; 2) Drug Abuse and HIV/AIDS Treatment; 3) Epidemiology and Natural History of HIV/AIDS Among Drug-Using Populations; 4) Drug Abuse Related HIV/AIDS and Its Consequences; and 5) Basic Neuroscience, Clinical, and Behavioral Research. 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 FOAs of identical scientific scope: 1) PA-12-295, which utilizes the R21 Exploratory/Developmental Grant mechanism; and 2) PA-12-294, which utilizes the R03 Small Grant Program mechanism.

Gut-Microbiome-Brain Interactions and Mental Health (R21&R33)
National Institutes of Health, National Institute of Mental Health (NIMH)
Contact: Nancy Desmond, 301/443-3107, ndesmond@nih.gov
Solicitation number: A-MH-14-080

The over-arching goal of this FOA is to encourage multidisciplinary teams of investigators to initiate hypothesis-driven research that will begin to investigate mechanisms by which gut microbiota may influence pre- and postnatal neurodevelopment as well as genes, signaling cascades, synaptic plasticity, and brain circuits that subserve domains of function of direct relevance to mental health and mental disorders. Examples of research topics of interest include, but are not limited to, the following: 1) Cellular, molecular and physiological studies to identify mechanisms by which the gut microbiota modulates neural circuits that subserve specific domains of function such as working memory, emotion regulation, social processes, and higher-level executive functions; 2) Mechanistic studies of the role of the microbiome-gut-brain axis in pre- and postnatal brain development; 3) Mechanistic studies mapping developmental trajectories of the effects of the gut microbiota on neural systems with the goal to identify aberrant developmental patterns in neural circuits that subserve specific domains of function such as higher-order cognitive and emotional processes; 4) Studies of sex differences in effects of the gut microbiota on the modifiability of neural and circuit function across the lifespan; 5) Studies examining the mechanisms by which perturbation of the maternal gut microbiota alters prenatal brain development and subsequent brain function and behavior; and 6) Studies examining the mechanisms by which perturbations (e.g., via the maternal vaginal microbiota) of the offspring's gut microbiota affect brain function and behavior. Direct costs are limited to a maximum of $175K per year for the R21 phase and less than $500K per year for the R33 phase. The total project period for a combined R21/R33 application may not exceed 5 years, with no more than three years for either the R21 phase or the R33 phase.
NHLBI Systems Biology Collaborations (R01)
National Institutes of Health, National Heart, Lung, and Blood Institute (NHLBI)
Contact: Pankaj Qasba, 301/435-0050, qasbap@nhlbi.nih.gov
Solicitation number: PAR-12-138
This FOA encourages Research Project Grant (R01) applications from institutions/organizations that propose collaborative systems biology research projects by multi-disciplinary teams to advance our understanding of normal physiology and perturbations associated with heart, lung, blood, and sleep (HLBS) diseases and disorders. Multi-disciplinary expertise across experimental and computational domains is required, and the multi-PI mechanism is allowed, as integration across these domains is a critical element of the proposed research plan. The maximum project period is five years.

High-End Instrumentation Grant Program
National Institutes of Health
Contact: Steven Birken, 301/435-0815, birkens@mail.nih.gov
Solicitation number: PAR-13-101
The ORIP High-End Instrumentation Grant (HEI) program encourages applications from groups of NIH-supported investigators to purchase a single major item of equipment to be used for biomedical research that costs at least $750K. The maximum award is $2M. Instruments in this category include, but are not limited to, biomedical imaging systems, NMR spectrometers, mass spectrometers, electron microscopes and supercomputers.

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.
Biophysical and Biomechanical Aspects of Embryonic Development (R01)
National Institutes of Health, Cross-Institute
Contact: Varies with research interest
Solicitation number: PAR-13-207
This FOA encourages applications that propose to advance our knowledge in the area of the physics and mechanics of embryonic development. Applicants must propose hypothesis-driven developmental research with the prospect of gaining new and critical information about tissue mechanics relevant to vertebrate development and understanding the basis for developmental disorders. It should be noted that applications using the NIH R01 grant mechanism will require sufficient preliminary data to substantiate the validity of the proposed research and feasibility of new technologies or tools. The budget may not exceed $500K direct costs per year for a maximum of five years. This FOA runs in parallel with a FOA of similar scientific scope, PAR-13-206, that encourages applications under the NIH Exploratory/Developmental (R21) grant mechanism.

Research to Understand and Inform Interventions that Promote the Research Careers of Students in Biomedical and Behavioral Research (R01)
National Institutes of Health, National Institute of General Medical Sciences (NIGMS)
Contact: Clifton Poodry, 301/594-3900, poodryc@nigms.nih.gov
Solicitation number: RFA-GM-12-002
This FOA solicits applications that propose research designed to test assumptions and hypotheses regarding social and behavioral factors with the aim of advising and guiding the design of potential interventions intended to increase interest, motivation and preparedness for careers in biomedical and behavioral research. NIGMS is particularly interested in those interventions that are specifically designed to increase the number of students from underrepresented groups entering careers in these disciplines. The proposed research need not be restricted to underrepresented students. Comparative research that analyzes the experience of all groups in order to place that of underrepresented students in context and to learn whether and how interventions should be tailored to make more underrepresented students successful in biomedical careers may well be particularly illuminating and is, therefore, encouraged. Direct costs are limited to no more than $250K per year. The maximum project period is 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.
Revisions 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-14-003

The purpose of this FOA is to diversify and extend the scope and capabilities of currently funded NIGMS R01 and R37 projects for studies on macromolecular interactions and their relationship to function in cells. This FOA solicits revisions of currently funded NIGMS grants specializing in the analysis of molecular systems and mechanisms in live organelles, cells, tissues, or organisms. The intent of this FOA is to enable the laboratory to ask questions beyond its current capabilities. To accomplish this, it will support research ranging from established approaches to the development and/or piloting of entirely new technologies.

Applicants may use this funding opportunity to: 1) Complement the laboratory's capabilities with additional proven methods (for example, single laboratory-scale genetic screening, chemical and pharmacological approaches) where the innovation lies in the application rather than in the technology; 2) Adopt proven technologies (independently, through collaboration, or by subcontracting) that are technically challenging, expensive, or not yet widely used in cell biology and allied fields (for example, affinity purification, mass spectrometry, high-throughput screening); 3) Develop, pilot, evaluate, and/or apply emerging technologies (for example, superresolution light microscopy); and 4) Carry out feasibility studies or upstream research and development (by the PD(s)/PI(s) alone or with a collaborator) of new technological concepts that are unproven, but potentially useful for study of macromolecular interactions. The maximum award budget is $75K per year direct costs. The maximum award project period is until the end of the currently awarded parent project period.

Genetic Screens to Enhance Zebrafish Research (R01)
National Institutes of Health, Cross-Institute
Contact: Lorette Javois, 301/496-5541, javoisl@mail.nih.gov
Solicitation number: PAR-11-130

This FOA encourages investigator-initiated R01 applications designed to exploit the power of the zebrafish as a vertebrate model for biomedical and behavioral research. Applications proposing to develop new genetic screens of high priority to the zebrafish community that will advance the detection and characterization of genes, pathways, and phenotypes of interest in development and aging, organ formation, neural processes, behavior, sensory processes, physiological processes, and disease processes are welcome. In addition, applications for pilot projects seeking to adapt existing phenotypic screening to support high-throughput characterization of mutants generated by large-scale mutagenesis projects are encouraged. The Participating Institutes anticipate that projects supported by this FOA will require direct costs of less than $500K per year for a maximum of five years. This FOA runs in parallel with another FOA of identical scientific scope, PAR-11-131, that utilizes the R01 Research Project Grant mechanism.

High Priority Behavioral and Social Research Networks (R24)
National Institutes of Health, National Institute on Aging (NIA)
Contact: Lis Nielsen, 301/402-4156, nielsenli@nia.nih.gov
Solicitation number: RFA-AG-14-007

The purpose of this FOA issued by the National Institute on Aging is to provide infrastructure support for advancing development of specific emerging and high priority interdisciplinary areas of behavioral and social research of relevance to aging. The infrastructure support will facilitate research networks through meetings, conferences, small scale pilots, training, and dissemination to encourage growth and development of specified priority areas and of resources for the field at large. Projects are solicited that will develop, strengthen, and evaluate transdisciplinary approaches and methods for basic behavioral and/or social research. Projects must propose a plan for dissemination of network products to the field at large. Application budgets may not exceed $175K per year in direct costs for a maximum five-year project period.
**Functional Assays to Screen Genomic Hits (R21 & R33)**

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


Contact: Varies with research interest

Solicitation number: RFA-HL-13-027

This FOA calls for development and implementation of functional analyses of identified genetic variations using inexpensive in vitro or animal model systems. The proposed model systems and functional assays, whether in vivo animal models or in vitro systems, should have proven relevance to the corresponding disease in humans. Approaches that are generalizable to multiple variants and diseases, as well as those that are customized for studying a particular variant and its associated phenotype, will be considered responsive to this FOA. Support for the R21 phase will be for two years. Direct costs are limited to $275K over an R21 two-year period, with no more than $150K in direct costs in any single year of the R21 phase. The R33 phase may not exceed three years and direct costs are limited to $1M with no more than $375K in direct cost in any single year of the R33 phase. Transition to the R33 phase is not automatic and, NHLBI anticipates that a maximum of 60% of the funded R21 phase awards will progress to the R33 award.

**Cooperative Research Agreements Related to the World Trade Center Health Program (U01)**

National Institutes of Health


Contact: Travis Kubale, S13/841-4461, TKubale@cdc.gov

Solicitation number: PAR-12-126

The purpose of this FOA is to support research projects and epidemiologic studies to help answer critical questions about physical and mental health conditions related to the September 2001 terrorist attacks including: biomarkers of exposures or health outcomes; epidemiologic studies; exposure-response relationships; improvements in diagnosis and treatment; patterns of illness (age, gender, etc.); risk factors for disease; and other research studies on WTC-related health conditions or emerging conditions. The combined total budget may not exceed $4M, $1M, and $250K for a four-year project, a two-year project, and a one-year project, respectively. Allowable project periods are four years for a long-term project, two years for an intermediate-term project, and one year for a short-term project.

**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.
**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 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.

**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.

**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.
Network Infrastructure Support for Emerging Areas of Research in the Basic Biology of Aging (R24)

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

Contact: Felipe Sierra, 301/496-6402, Sierraf@nia.nih.gov
Solicitation number: PAR-11-266

The purpose of this FOA is to provide infrastructure support to foster further development and integration in emerging interdisciplinary areas of research in basic biology of aging. This FOA will use the NIH Resource-Related Research Project (R24) mechanism to facilitate research networks that will advance specific scientific goals through meetings, conferences, small scale pilots, short term training opportunities (such as intensive workshops, summer institutes, or visiting scholar programs) and dissemination activities to encourage growth and development in these interdisciplinary areas.

National Cancer Institute Program Project (P01) Applications

National Institutes of Health, National Cancer Institute (NCI)
http://grants.nih.gov/grants/guide/pa-files/PAR-12-005.html

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.

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.
**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.

**NINDS Research Education Opportunities (R25)**

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


Contact: Stephen Korn, 301/496-4188, korns@ninds.nih.gov

Solicitation number: PAR-13-240

The purpose of this FOA is to request applications for the initiation or continuation of nationally-available neuroscience research education programs that will significantly advance the mission of NINDS. The NIH Research Education (R25) grant mechanism is designed to support the development and implementation of creative and innovative neuroscience research education programs for biomedical, behavioral, and clinical researchers. Proposed research education programs submitted to this FOA are expected to be designed for, and available to, a national audience. Programs intended for a local or regional audience are not appropriate for this FOA. R25 programs may complement ongoing research training and education occurring in the U.S., but the proposed educational experiences must be distinct from those research training and research education programs currently receiving federal support. Application budgets are limited to a maximum of $250K direct cost per year for a maximum of five years.

**National Institute of Diabetes and Digestive and Kidney Diseases Program Projects (P01)**

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


Contact: Varies with research interest

Solicitation number: PAR-13-266

This FOA issued by the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) 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. Application budgets will not exceed more than $6.25M in direct costs over a maximum project period of five years.
**Research Linking Environmental Exposure to Alzheimer's Disease (R01)**

National Institutes of Health, National Institute of Environmental Health Sciences (NIEHS)


Contact: Annette Kirshner, 919/541-0488, kirshner@niehs.nih.gov

Solicitation number: RFA-ES-13-006

The purpose of this FOA is to support research establishing a link between environmental exposure and the risk for Alzheimer's disease (AD). Research is encouraged ranging from basic mechanistic exposure studies to human-based studies. This new effort seeks to promote work to further the understanding of the combined roles of exposure and processes implicated in AD such as inflammation and genetic susceptibility. This FOA is focused on stimulating AD research, mainly because of a greater paucity of information about the role of exposure in the etiology of the disease, but also because of the intense interest at the national level in AD research and therapeutics. For the purposes of this FOA, environmental exposures are defined as heavy metals (Pb, Hg, Cd, etc), metalloids (As etc), agro- and industrial chemicals or their manufacturing byproducts, air pollution and other inhaled toxicants, particulates of fibers, fungal, and bacterial or biologically derived toxin. Agents considered non-responsive to this announcement include, but are not limited to: alcohol, chemotherapeutic agents, radiation which is not a result of an ambient environmental exposure, smoking, except when considered as a secondary smoke exposure as a component in the indoor environment, drugs of abuse, pharmaceuticals, dietary nutrients, and infectious or parasitic agents, except when these are disease co-factors to an environmental toxicant exposure to produce the biological effect. Application budgets are limited to $350K per year for a maximum project duration of five years. This FOA runs in parallel with a FOA of identical scientific scope, RFA-ES-13-007, that utilizes the R21 Exploratory/Developmental Grant mechanism.

**Biogeochemical Interactions Affecting Bioavailability for in situ Remediation of Hazardous Substances (R01)**

National Institutes of Health, National Institute of Environmental Health Sciences (NIEHS)


Contact: Heather Henry, 919/541-5330, henryh@niehs.nih.gov

Solicitation number: RFA-ES-13-010

This FOA will support problem-solving research on the mechanisms of biogeochemical interactions affecting bioavailability in the context of in situ remediation of contaminated soil, sediment, surface water, or groundwater. Contaminants in the environment are affected by complex biological, geological and chemical processes that have implications for both remediation effectiveness as well as exposure risk to humans. By understanding the mechanisms of these complex interactions, we are better equipped to optimize remediation strategies and, therefore, improve science-based decision making for site management, priority-setting, and remedy selection. Teams should target fundamental research areas that may include, but would not be limited to: 1) Understanding flux between biological/chemical/geological interfaces as it relates to bioavailability and remediation effectiveness; 2) Optimization of innovative approaches to remediate complex contaminated sites (e.g. chemical mixtures; DNAPL in complex matrices, particularly in fractured rock); and 3) Understanding biogeochemical interactions as related to predicting diffusion mechanisms and diffusion rates from rock matrices. Application budgets are limited to $150K direct costs per year for a maximum four-year project period.

**Macroeconomic Aspects of Population Aging (R01)**

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


Contact: John Phillips, 301/496-3138, john.phillips@nih.gov

Solicitation number: PAR-12-186

This FOA invites research on the macroeconomics of aging - the impact of population aging on the macroeconomy and in turn how macroeconomic factors impact health and well-being. The maximum project period is five years.
Collaborative Interdisciplinary Team Science in NIDDK Research Areas (R24)

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


Contact: Corinne Silva, 301/451-7335, silvacm@mail.nih.gov

Solicitation number: PAR-13-305

These awards will foster the application of interdisciplinary, integrative and/or paradigm-shifting approaches to address complex challenges in biomedical research. This grant is designed to apply the flexibility of the Research Resource Project Grant mechanism (R24) to accommodate many forms of approaches including discovery-based or resource-generating and hypothesis-driven or hypothesis-generating science. Application budgets are not limited over a maximum five-year project period.

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.

Research on Autism and Autism Spectrum Disorders (R01)

National Institutes of Health, Cross-Institute


Contact: Lisa Gilotty, 301/443-3825, gilottyl@mail.nih.gov

Solicitation number: PA-13-216

This FOA encourages research grant applications to support research designed to elucidate the etiology, epidemiology, diagnosis, treatment, and optimal means of service delivery in relation to autism spectrum disorders. Basic, clinical, and applied studies are encouraged. This FOA runs in parallel with two FOAs of identical scientific scope, PA-10-159 and PA-10-160, which encourage 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.

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.
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.

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-13-300
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-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. 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.

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 of Mental Health (NIMH), 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.
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.

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.

Nutrition and Alcohol-Related Health Outcomes (R01)
National Institutes of Health, National Cancer Institute (NCI)
Contact: Varies with research interest
Solicitation number: PA-10-239
This FOA issued by the National Institute on Alcohol Abuse and Alcoholism (NIAAA) and the National Cancer Institute (NCI) encourages applications from institutions/organizations that propose to examine associations between nutrition and alcohol-related health outcomes in humans and animal models. The goal of this program announcement is to stimulate a broad range of research on the role of nutrition in the development, prevention, and treatment of a variety of alcohol-related health outcomes including alcohol dependence and psychiatric co-morbidities, chronic and acute diseases, and organ function and damage. Study designs may include biomedical research, epidemiologic approaches, and intervention studies.

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.
Renal Function and Chronic Kidney Disease in Aging (R01)
National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institute on Aging
http://grants.nih.gov/grants/guide/pa-files/PA-12-211.html
Contact:  Varies with research interest
Solicitation number:  PA-12-211
This FOA invites applications that propose basic, clinical, and translational research on chronic kidney disease (CKD) and its consequences in aging and in older persons. Applications should focus on the 1) biology and pathophysiology of CKD in animal models; 2) etiology and pathophysiology of CKD in older adults; 3) epidemiology and risk factors for the development of CKD with advancing age; and/or 4) diagnosis, medical management and clinical outcomes of CKD in this population. Research supported by this initiative should enhance knowledge of CKD and its consequences in older adults and provide evidence-based guidance in the diagnosis, prevention, and treatment of CKD in older persons. This FOA runs in parallel with a FOA of identical scientific scope, PA-12-210, that utilizes the R21 Exploratory/Developmental Research Grant Award mechanism. The maximum project period is five years.

Identifying Non-coding RNA Targets for Early Detection of Cancer (R01)
National Institutes of Health, National Cancer Institute (NCI)
Contact:  Wendy Wang, 301/594-7607, wangw@mail.nih.gov
Solicitation number:  PA-12-213
This FOA encourages research projects on non-coding RNAs (ncRNAs) and their targets in preneoplastic lesions and early stage cancers. This FOA also encourages research projects to assess the usefulness of stable microRNAs (miRNAs) and ncRNAs to predict progression to cancer and as biomarkers for early cancer detection and screening. Building on both basic and biomarker research on microRNAs (miRNA), this FOA will further promote research on all classes of ncRNAs and support the translation of stable miRNAs into cancer screening or diagnostic tests. This FOA runs in parallel with a FOA of identical scientific scope, PA-12-214, that utilizes the R21 Exploratory/Developmental Research Grant Award. The maximum project period is five years.

Women's Mental Health During Pregnancy and the Postpartum Period (R01)
National Institutes of Health, Eunice Kennedy Shriver National Institute of Child Health and Human Development, National Institute
Contact:  Varies with research interest
Solicitation number:  PA-12-216
The purpose of this FOA is to outline priority areas for research related to women’s mental health during pregnancy and the postpartum period. Priority areas include basic and clinical neuroscience, studies of clinical course, epidemiological factors and risk factors, as well as interventions and services research. The NIMH, NICHD, and NIDA are committed to supporting research that will increase scientific understanding of and treatments for mental disorders experienced by women during and following pregnancy. The maximum project period is five years. This FOA runs in parallel with a FOA of identical scientific scope, PA-12-215, that utilizes the R21 Exploratory/Developmental Research Grant.
Functions of Skeletal Muscle beyond Contraction (R01)
National Institutes of Health, National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS)
http://grants.nih.gov/grants/guide/pa-files/PA-12-208.html

This FOA encourages applications for support of innovative, projects aimed at studying the spectrum of activities of skeletal muscle in health and disease that are beyond its role in contraction and locomotion. These activities include endocrine and paracrine functions of skeletal muscle, resting muscle thermogenesis, sensing of biomechanical stimuli, storing amino acids, regulating systemic metabolism, etc. Advancing understanding of these important functions of muscle may lead to novel strategies for the prevention or treatment of common conditions such as cachexia, obesity, diabetes and sarcopenia. The maximum project period is five years. This FOA runs in parallel with a FOA of identical scientific scope, PA-12-209, that utilizes the R21 Exploratory/Developmental Grant.

Contact: Amanda Boyce, 301/594-5055, boycea@mail.nih.gov
Solicitation number: PA-12-208

Biomarkers for Early Detection of Hematopoietic Malignancies (R01)
National Institutes of Health, National Cancer Institute (NCI)
http://grants.nih.gov/grants/guide/pa-files/PA-12-221.html

This FOA encourages research projects for the development and validation of biomarkers for: a) early detection, prediction of progression, and recurrence of hematopoietic malignancies, especially in high-risk individuals; and, b) for risk assessment of primary and secondary hematopoietic malignancies. This FOA also encourages the development and improvement of specific technologies and methods for quantitative detection of novel biomarkers associated with hematopoietic malignancies. The maximum project period is five years. This FOA runs in parallel with a FOA of identical scientific scope, PA-12-220, that utilizes the R21 Exploratory/Developmental Research Grant Award.

Contact: Lynn Sorbara, 301/435-0584, lynns@mail.nih.gov
Solicitation number: PA-12-221

Research on Psychopathology In Intellectual Disabilities (R01)
National Institutes of Health, National Institute of Mental Health (NIMH)

The purpose of this FOA is to invite grant applications for research designed to elucidate the epidemiology, etiology, treatment, and prevention of mental disorders, including emotional and behavioral problems, in persons of any age with intellectual disabilities. This FOA calls for research on: 1) the prevalence rates of mental illness among persons with intellectual disabilities; 2) the development of appropriate psychiatric assessment instruments for use with persons with intellectual disabilities; 3) the biological and environmental precursors of psychiatric disorders in children who have, or who are at risk for, intellectual disabilities; 4) the effectiveness of mental health services for persons with intellectual disabilities, including methods for enhancing treatment compliance while living in the community or attending special education classes; 5) the development of early interventions designed to prevent emotional and behavioral problems in infants and toddlers with intellectual disabilities; 6) the manifestations of particular psychiatric disorders and the response to treatment, and how these may vary as a function of cognitive or functional disability or developmental level; 7) the integration of service delivery models that provide a range of supportive and therapeutic services to those with mental illness and intellectual disabilities; and 8) the development of novel approaches to diagnosing and treating mental illness in the context of intellectual disabilities. The maximum project period is five years.
Stem Cells and Alcohol-induced Tissue Injuries (R01)

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


Contact: Peter Gao, 301/443-6106, gaozh@mail.nih.gov

Solicitation number: PA-12-233

This FOA encourages applications to study human and non-human stem cells involved in alcohol-induced tissue injuries. Alcohol abuse is known to cause pathology in a number of organ systems. Disorders most commonly associated with chronic alcohol consumption include alcoholic liver disease (ALD), pancreatitis, cardiovascular disease, neural damage, endocrine dysfunction, osteoporosis, cancer, and immune dysfunction. The objective of this FOA is to understand the role of stem cells in alcohol-induced tissue damage and recovery, particularly how they are influenced by alcohol metabolism and their role in alcohol-related cancers. 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, PAR-12-232, that utilizes the R21 Exploratory/Developmental Grant.

Lymphatics in Health and Disease in the Digestive, Urinary, Cardiovascular and Pulmonary Systems (R01)

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


Contact: Varies with research interest

Solicitation number: PAR-12-259

This FOA is to encourage Research Project Grant (R01) applications for research into aspects of lymphatic vessel physiology and pathophysiology related to health and disease of digestive system and urinary tract organs, and cardiovascular and pulmonary systems; in resolution of thromboembolic events; and inflammation and immune responses as they relate to these diseases. However, studies with the major focus on immune mechanisms will not be considered responsive. Studies to understand the factors that control local lymphatic vessel functional anatomy and physiology during health or disease in these organs/systems, and the mechanisms by which alterations of lymphatic vessel function affect organ function, are of interest. Application budgets are limited to $250K in direct costs per year for R01 applications for a maximum project period of five years. This FOA runs in parallel with FOAs of identical scientific scope: PAR-12-260, which utilizes the R21 Exploratory/Developmental Grant and PA-12-258, which utilizes the R43/R44 Small Business Innovation Research (SBIR) Grant - Phase I, Phase II, and Fast-Track.

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), 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. 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 Ziemann, 301/496-6761, Susan.Ziemann@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**

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PAR-13-048

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)**

National Institutes of Health, Cross-Institute  

Contact: Varies with research interest  
Solicitation number: PA-13-058

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)**

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-13-064

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.
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 policies 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 R21 Exploratory/Developmental Grant mechanism; and 2) PA-13-124, which utilizes the R03 Small Grant Program 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.

Understanding User Needs and Context to Inform Consumer Health Information Technology (IT) Design (R01)
National Institutes of Health
Contact: Angela Lavanderos, 301/427-1505, Angela.Lavanderos@ahrq.hhs.gov
Solicitation number: PA-11-199

This FOA looks to bridge the chasm that currently exists between consumer health IT designers and the users themselves, by bolstering basic research to better understand users’ PHIM practices, needs, and goals as they are intrinsically shaped by an array of contextual factors. Each application must clearly identify at least one of these research areas as the primary research area to be addressed: 1) The needs and preferences of diverse user groups in different contexts; 2) User goals, activities, and personal health information management practices; 3) User capacities (e.g., cognitive, physical, health literacy); 4) User motivation (including beliefs and preferences); and 5) Identifying “expert” user groups (e.g., frequent health care consumers and their caregivers) and studying them as models. The total costs awarded to a grant under this FOA will not exceed $500K per year for up to five years.

Research on Autism Spectrum Disorders (R01)
National Institutes of Health, Cross-Institute
Contact: Varies with research interest
Solicitation number: PA-13-216

This FOA encourages research grant applications to support research designed to elucidate the etiology, epidemiology, diagnosis, treatment, and optimal means of service delivery in relation to autism spectrum disorders (ASD). Basic, clinical, and applied studies are encouraged. Areas of interest include, but are not limited to, the following: 1) Epidemiology; 2) Screening, Early Identification, and Diagnosis; 3) Genetic Studies; 4) Brain Mechanisms; 5) Shared Neurobiology of Autism with Fragile X, Rett Syndrome, and Related Disorders; 6) Cognitive Science; 7) Communication Skills; 8) Pharmacological/Biological Interventions; 9) Pharmacogenomic Studies; 10) Psychosocial/Behavioral Interventions; and 11) Services Research. Application budgets are not limited and the total project period may not exceed 5 years. This FOA runs in parallel with FOAs of identical scientific scope, PA-13-217, which utilizes the R21 Exploratory/Developmental Grant mechanism; and PA-13-218, which utilizes the R03 Small Grant Program mechanism.
Secondary Analyses of Alcohol and Chronic Disease (R01)

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


Contact: Rosalind Breslow, 301/594-6231, rbreslow@mail.nih.gov

Solicitation number: PA-13-260

This FOA encourages R01 applications that propose to conduct secondary analyses of alcohol as it relates to chronic disease etiology and epidemiology. The goal of this program is to facilitate innovative yet cost-effective research utilizing previously collected data. Of particular interest is the examination of understudied areas, populations, exposures, or outcomes. Exposures of interest include, but are not limited to: 1) Drinking patterns such as quantity/frequency, binge, or drinking with meals; 2) Changes in drinking over time; 3) Alcohol dependence/abuse; 4) Gene-environment interactions; 5) Lifestyle factors such as smoking, nutrition/eating behavior, physical activity; 6) Concurrent use of prescription drugs particularly among moderate drinkers or the elderly; and 7) Concurrent use of illicit drugs. Application budgets are not limited, but need to reflect actual needs of the proposed project. The total project period may not exceed five years. This FOA runs in parallel with a FOAs of identical scientific scope, PA-13-261 and PA-13-251, that utilize the R03 Small Grant Program and R21 Exploratory/Developmental Research Grant Award mechanisms, respectively.

Implications of New Digital Media Use for Underage Drinking, Drinking-Related Behaviors, and Prevention Research

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


Contact: Robert Freeman, 301/443-8820, rfreeman@mail.nih.gov

Solicitation number: PA-13-262

This FOA encourages R01 research grant applications from institutions/organizations that propose to investigate whether, and how, heavy involvement in new digital media usage, particularly social media and social networking sites, may influence adolescent alcohol use and drinking patterns, as well as drinking-related problems. One focus is motivated by recent reports (see below) suggesting that alcohol use increasingly is mentioned and visually displayed on many adolescents’ social networking profiles. This FOA also encourages applications proposing to explore the ways in which new digital media may be utilized as platforms for preventive interventions aimed at underage drinking and related problems. Application budgets are not limited and the maximum project period is five years. This FOA runs in parallel with a FOA of identical scientific scope, PA-13-263, that utilizes the R21 Exploratory/Developmental Grant mechanism.

Research Project Grant (Parent R01)

National Institutes of Health, Cross-Institute


Contact: 301/435-0714, GrantsInfo@nih.gov

Solicitation number: PA-13-302

The Research Project Grant (R01) supports a discrete, specified, circumscribed project to be performed by the named investigator(s) in areas representing the specific interests and competencies of the investigator(s). The R01 is the original, and historically the oldest, grant mechanism used by the NIH to support health-related research and development. The proposed project must be related to the programmatic interests of one or more of the participating NIH Institutes and Centers (ICs) based on descriptions of their programs. Each IC maintains a web site with funding opportunities and areas of interest. Contacting an IC representative may help focus the proposed research based on an understanding of the mission of the IC. For specific information about the mission of each NIH IC, see http://www.nih.gov/icd, which provides a brief summary of the research interests in each IC and access to individual IC websites. Application budgets are not limited.
Behavioral and Social Science Research on Understanding and Reducing Health Disparities (R01)
National Institutes of Health, Cross-Institute

Contact: Varies with research interest

Solicitation number: PA-13-292

The purpose of this FOA is to encourage behavioral and social science research on the causes and solutions to health and disabilities disparities in the U.S. population. Emphasis is placed on research in and among three broad areas of action: 1) public policy, 2) health care, and 3) disease/disability prevention. Particular attention is given to reducing “health gaps” among groups. Applications that utilize an interdisciplinary approach, investigate multiple levels of analysis, incorporate a life-course perspective, and/or employ innovative methods such as systems science or community-based participatory research are particularly encouraged. Application budgets are not limited and will not exceed five years.

Biomarkers - Bridging Pediatric and Adult Therapeutics (R01)
National Institutes of Health, Eunice Kennedy Shriver National Institute of Child Health and Human Development

Contact: George Giacoia, 301/496-5589, gg65m@mail.nih.gov

Solicitation number: PAR-13-296

This FOA encourages grant applications that propose adapting adult biomarkers to children. This would include the application and validation of biomarkers developed in adults to pediatric diagnosis, prognosis, and estimation of disease progression, toxicity and response to therapy. Projects supported by this FOA will be confined to those biomarkers that correlate with a clinical observation, have been extensively studied in adults, and for which there is solid evidence that they have pediatric applications. Discovery of new biomarkers for use in new drug development or in preclinical studies is not part of this FOA. Also excluded are biomarkers for diseases that are unique to children and have no adult correlates. Application budgets are not limited, and will not exceed five years. This FOA runs in parallel with FOAs of identical scientific scope, PAR-13-299 and PAR-13-295, that utilize the R03 Small Grant Program and R21 Exploratory/Developmental Grant mechanisms, respectively.

Developmental Pharmacology and Toxicology - Role of Ontogeny (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: PAR-13-306

This FOA encourages grant applications from institutions or organizations that propose multidisciplinary, investigator-initiated basic and translational research in developmental pharmacology and toxicology. Particular emphasis should be placed on the role of ontogeny on drug metabolizing enzymes, transporters, receptors and signaling pathways across developmental periods from fetal life to adolescence affecting drug action and toxicity. This initiative is aimed at unraveling the effects of development on mechanisms of drug action/ pharmacodynamics and biotransformation, prenatally and from birth through adolescence. Application budgets are not to exceed five years. This FOA runs in parallel with FOAs of identical scientific scope, PAR-13-308 and PAR-13-307, that utilize the R21 Exploratory/Developmental Grant and Small Grant Program mechanisms, respectively.
Improving Health and Reducing Premature Mortality in People with Severe Mental Illness (R01)

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


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

Solicitation number: RFA-MH-14-060

The goal of this FOA is to support research to test the effectiveness of services interventions that specifically target adults with SMI and aim to reduce the prevalence and magnitude of common modifiable health risk factors that contribute to premature mortality in this population, using the most rigorous methods possible. This FOA is also intended to support research for children and youth with serious emotional disturbances (SED) in order to target common modifiable health risk factors at an early stage in the developmental process. This initiative will support research that builds on strategies proven effective in reducing modifiable health risk factors in the general population. Applications that develop and test service interventions for large-scale delivery of these effective strategies to people with SMI or SED are encouraged. To that end, critical aspects of the intervention and delivery strategy should be designed so as to support broad dissemination and implementation of the approach should it prove effective. The research generated should address at least one of the following questions: 1) How can strategies proven effective for reducing common modifiable health risk factors in the general population be adapted with the goal of achieving equivalent effectiveness for people with SMI or SED?; and 2) How can capacity to deliver needed health risk prevention and reduction be significantly improved to reach the largest number of people with SMI or SED? Budgets may not exceed $499,999 in direct costs per year for up to five years.

Instrument Development for Biomedical Applications (R21)

National Institutes of Health, National Center for Research Resources (NCRR)


Contact: Fred Friedman, 301/435-0775, ffriedma@mail.nih.gov

Solicitation number: RFA-GM-14-014

The National Center for Research Resources (NCRR) solicits innovative applications for the development of new or improved instrumentation for biomedical research. Projects should propose tools that can be used by a wide range of biomedical or clinical researchers, and not limited to a specific organ or disease. Examples of new tools and techniques that are responsive to this FOA include optical spectroscopy, mass spectrometry, electrophoresis and other separation techniques, microscopy, lasers and optics, X-ray tools, nuclear magnetic resonance spectroscopy, bioreactors, centrifugation, proteomics, genomic sequencing, functional genomics, comparative genomics, microarrays, and human sequence variation. This list is not exhaustive, but investigators with topics outside of these areas are strongly encouraged to contact program staff to ensure that their applications are responsive. Direct costs are limited to $375K over a three-year period, with no more than $175K in direct costs allowed in any single year.

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.
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.

The Role of Microbial Metabolites in Cancer Prevention and Etiology (U01)

National Institutes of Health, National Cancer Institute (NCI), National Center for Complementary and Alternative Medicine (NCC)


Contact: Varies with research interest

Solicitation number: PAR-13-159

This FOA encourages grant applications that characterize the effects of microbially generated metabolites of dietary components on host cell biology. Specifically, this FOA seeks to characterize microbially generated metabolites and better understand their molecular mechanisms of action that affect host cell proliferative/apoptotic responses, cytokine production, inflammatory and immunomodulatory effects. All applications must include multiple principal investigators with different areas of expertise such as microbiology, nutrition, cancer biology, analytical chemistry, or genetics. Investigators may use either clinical or preclinical approaches. The maximum project period is five years.

Short Courses on Innovative Methodologies in the Behavioral and Social Sciences (R25)

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: RFA-OD-13-009

This FOA invites Research Education Grant (R25) applications to develop, implement, evaluate and disseminate short courses in innovative methods for behavioral and social sciences research (BSSR). Methodological domains include but are not limited to experimental design, data collection, measurement, and data analysis and visualization. The NIH Research Education (R25) grant mechanism is designed to support the development of creative and innovative research education programs for the development of biomedical, behavioral, and clinical researchers, or for public education and outreach on health-related research to a variety of audiences. Application budgets may not exceed $200K in direct costs annually for a maximum of five 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.

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.
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.

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.

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.
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 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.
**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.

**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.
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)

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)

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)

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.

10/16/2013 Application
2/16/2014 Application
6/16/2014 Application

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

National Institutes of Health, Cross-Institute


Contact: 301/435-0714, GrantsInfo@nih.gov

Solicitation number: PA-13-304

The National Institutes of Health (NIH) Investigator-Initiated Small Research Grant (R03) funding opportunity supports small research projects that can be carried out in a short period of time with limited resources. Examples of the types of projects that participating NIH Institutes and Centers (ICs) support with the R03 activity code include, but are not limited to, the following: 1) Pilot or feasibility studies; 2) Secondary analysis of existing data; 3) Small, self-contained research projects; 4) Development of research methodology; and 5) Development of new research technology.R03 grant applications are not expected to have the same level of detail or extensive discussion found in an R01 application. Accordingly, reviewers should evaluate the conceptual framework and general approach to the problem, placing less emphasis on methodological details and certain indicators traditionally used in evaluating the scientific merit of R01 applications including supportive preliminary data. Appropriate justification for the proposed work can be provided through literature citations, data from other sources, or from investigator-generated data. Preliminary data are not required, particularly in applications proposing pilot or feasibility studies.Applicants are encouraged to consult the IC Contacts and Special Interests website to determine if an investigator-initiated R03 application is appropriate. Additionally, applicants are strongly encouraged to consult with the Scientific/Research Contact at the appropriate IC about their proposed research project during the concept development stage of the application. The combined budget for direct costs for the two-year project period may not exceed $100K, and no more than $50K in direct costs may be requested in any single year.

10/16/2013 Application
2/16/2014 Application
6/16/2014 Application
NIH Exploratory & Developmental Research Grant Program (Parent R21)

National Institutes of Health, Cross-Institute


Contact: 301/435-0714, GrantsInfo@nih.gov

Solicitation number: PA-13-303

The Exploratory/Developmental Grant (R21) funding opportunity supports the development of new research activities in categorical program areas. The R21 activity code is intended to encourage exploratory and developmental research projects by providing support for the early and conceptual stages of these projects. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on a field of biomedical, behavioral, or clinical research. Applications for R21 awards should describe projects distinct from those supported through the traditional R01 activity code. For example, long-term projects, or projects designed to increase knowledge in a well-established area, will not be considered for R21 awards. Projects of limited cost or scope that use widely accepted approaches and methods within well-established fields are better suited for the R03 small grant activity code. The combined budget for direct costs for the two-year project period may not exceed $275K, and no more than $200K may be requested in any single year.

The Role of the Cytoskeleton in Cellular Aging (R21 & R33)

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


Contact: José Velázquez, 301/496-6428, jvelazqu@mail.nih.gov

Solicitation number: PAR-13-301

The purpose of this FOA is to stimulate the development of innovative research strategies aimed at increasing the understanding of the molecular and cellular changes in the cytoskeleton that occur during the aging process. Applications considering the effect of age on factors such as cytoskeleton structure and function, the impact of the cytoskeleton on intracellular organelle interactions, and signaling or regulatory molecules controlling cellular architecture are encouraged. There is also interest in studying the role of the cytoskeleton in nuclear-cytoplasmic communications, and in spatio-temporal relationships during the aging process and in age-related diseases. Total direct costs are limited to $275K over a two-year period, with a maximum of $200K in direct costs allowed in any single year. The R33 award phase must be less than $500K in direct cost per year and cannot exceed three 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.
**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.

**2014 NIH Pioneer Award Program (DP1)**

National Institutes of Health


**Contact:** Ravi Basavappa, 301/435-7204, PioneerAwards@mail.nih.gov

**Solicitation number:** RFA-RM-13-006

The NIH Pioneer Award initiative complements NIH's traditional, investigator-initiated grant programs by supporting individual scientists of exceptional creativity who propose pioneering and possibly transforming approaches to addressing major biomedical or behavioral challenges that have the potential to produce an unusually high impact on a broad area of biomedical or behavioral research. To be considered pioneering, the proposed research must reflect substantially different scientific directions from those already being pursued in the investigator’s research program or elsewhere. Awards will be for $500K in direct costs each year for a maximum of five years, plus applicable Facilities and Administrative costs to be determined at the time of award.

**NIMHD Social, Behavioral, Health Services, and Policy Research on Minority Health and Health Disparities (R01)**

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


**Contact:** Jennifer Alvidrez, 301/594-9567, alvidrezjl@mail.nih.gov

**Solicitation number:** RFA-MD-13-006

The purpose of this FOA is to solicit innovative social, behavioral, health services, and policy research that can directly and demonstrably contribute to the elimination of health disparities. Projects may involve primary data collection or secondary analysis of existing datasets. Projects that examine understudied health conditions; examine the effectiveness of interventions, services, or policies for multiple health disparity populations; and/or directly measure the impact of project activities on levels of health disparities are particularly encouraged. The total direct costs are limited to $250K per year for up to five years.

**2014 NIH Directors New Innovator Award Program (DP2)**

National Institutes of Health


**Contact:** Ravi Basavappa, 301/594-8190, NewInnovatorAwards@mail.nih.gov

**Solicitation number:** RFA-RM-13-007

This FOA supports a small number of early stage investigators of exceptional creativity who propose bold and highly innovative new research approaches that have the potential to produce a major impact on broad, important problems in biomedical and behavioral research. The New Innovator Award initiative complements ongoing efforts by NIH and its Institutes and Centers to fund early stage investigators through R01 grants, which continue to be the major sources of NIH support for early stage investigators. The NIH Director’s New Innovator Award initiative is a component of the High Risk - High Reward Research Program of the NIH Common Fund. Awards will be for up to the equivalent of $300K in direct costs each year for a maximum of five years, plus applicable Facilities and Administrative costs to be determined at the time of award.
NIMHD Basic and Applied Biomedical Research on Minority Health and Health Disparities (R01)

National Institutes of Health, National Institute on Minority Health and Health Disparities (NIMHD)


Contact: Nishadi Rajapakse, 301/496-4338, chandima.rajapakse@nih.gov

Solicitation number: RFA-MD-12-008

This FOA solicits innovative grant applications on: 1) Biological and genetic research to explore disease mechanisms or pathways that influence health outcomes in minority and health disparity populations; and 2) Clinical and translational research linking basic science discovery with effective treatment or clinical practice. The overall goal of this initiative is to enhance our understanding of fundamental biological mechanisms involved in disease conditions and develop therapies or interventions that can directly or demonstrably contribute to the elimination of health disparities. Total direct costs are limited to $250K per year for up to 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 at least nine months prior to the expected date of the proposed activity.

Ongoing

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.

Ongoing

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.
**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.

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**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.
Ongoing

**OFR-NSF Partnership in Support of Research Collaborations in Finance Informatics**

National Science Foundation  

Contact: Vasant Honavar, vthonavar@nsf.gov

Solicitation number:

NSF and OFR have established a collaboration centered on Computational and Information Processing Approaches to and Infrastructure in support of, Financial Research and Analysis and Management (hereafter referred to as CIFRAM) to identify and fund a small number of exploratory but potentially transformative CIFRAM research proposals. The collaboration enables OFR to support a broad range of financial research related to OFR’s mission, including research on potential threats to financial stability. It also assists OFR with the goal of promoting and encouraging collaboration between the government, the private sector, and academic institutions interested in furthering financial research and analysis. The collaboration enables the NSF to nurture fundamental CISE research on a variety of topics including algorithms, informatics, knowledge representation, and data analytics needed to advance the current state of the art in financial research and analysis. Proposals that involve collaborations between Computer Scientists, Mathematicians, Statisticians, and experts in Financial Risk Analysis and Management are especially welcome.

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Ongoing

**Networking Technology and Systems (NeTS - JUNO)**

National Science Foundation  

Contact: Joseph Lyles, 703/292-8950, jlyles@nsf.gov

Solicitation number: NSF 13-574

The National Science Foundation (NSF) and the National Institute of Information and Communications Technology (NICT) of Japan have agreed to embark on a collaborative research program to address compelling research challenges that arise from networks supporting future demands of device proliferation and data objects. This NSF solicitation parallels an equivalent NICT solicitation. Proposals submitted under this solicitation must describe joint research with Japanese counterparts who are requesting funding separately under the NICT solicitation. This research and development program addresses three specific challenges that arise when environments with trillions of device and information objects are connected via networks: 1) Network Design and Modeling; 2) Mobility; and 3) Optical Networking. Each award may be up to $300K over three years.

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8/8/2013  Full Proposal

**Solar, Heliospheric, and Interplanetary Environment (SHINE)**

National Science Foundation, Geosciences (GEO)  

Contact: Paul Bellaire, 703/292-8529, pbellaire@nsf.gov

Solicitation number: NSF 04-585

Proposals are solicited for research directly related to topics under consideration and discussion at community workshops organized by SHINE. Information on the current activities of SHINE may be found at the following web site: http://www.shinecon.org. Under this solicitation, proposals may be submitted for any funding amount up to $200K per year.

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8/23/2013  Full Proposal

**EarthScope**

National Science Foundation, Geosciences (GEO)  

Contact: Gregory Anderson, 703/292-4693, greander@nsf.gov

Solicitation number: NSF 13-562

EarthScope is an Earth science program to explore the 4-dimensional structure of the North American continent. The program provides a framework for broad, integrated studies across the Earth sciences, including research on fault properties and the earthquake process, strain transfer, magmatic and hydrous fluids in the crust and mantle, plate boundary processes, large-scale continental deformation, continental structure and evolution, and composition and structure of the deep Earth. In addition, EarthScope offers a centralized forum for Earth science education at all levels and an excellent opportunity to develop cyberinfrastructure to integrate, distribute, and analyze diverse data sets.
Materials Research Science and Engineering Centers (MRSEC) - Limited Submission

National Science Foundation


Contact: Daniele Finotello, 703/292-4676, dfinotel@nsf.gov

Solicitation number: NSF 13-556

Materials Research Science and Engineering Centers (MRSECs) provide sustained support of interdisciplinary materials research and education of the highest quality while addressing fundamental problems in science and engineering. MRSECs address research of a scope and complexity requiring the scale, synergy, and interdisciplinarity provided by a campus-based research center. They support materials research infrastructure in the United States, promote active collaboration between universities and other sectors, including industry and international institutions, and contribute to the development of a national network of university-based centers in materials research, education, and facilities. A MRSEC may be located at a single institution, or may involve multiple institutions in partnership.

Cognitive Neuroscience

National Science Foundation, Social, Behavioral, and Economic Sciences (SBE)


Contact: Lynne Bernstein, 703/292-8643, lbernste@nsf.gov

Solicitation number: NSF 09-563

This program seeks highly innovative and interdisciplinary proposals aimed at advancing a rigorous understanding of how the human brain supports thought, perception, effect, action, social processes, and other aspect of cognition and behavior, including how such processes develop and change in the brain and through time. This program supports Individual Investigator Research Projects as well as Workshops.

Partnerships in Astronomy & Astrophysics Research and Education (PAARE)

National Science Foundation

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501046

Contact: R. Scott, Fisher, rfisher@nsf.gov

Solicitation number: NSF 13-566

The objective of PAARE is to enhance diversity in astronomy and astrophysics research and education by stimulating the development of formal, long-term, collaborative research and education partnerships among minority-serving institutions and partners at research institutions, including academic institutions, private observatories, and NSF Division of Astronomical Sciences (AST)-supported facilities.

Research Experiences for Undergraduates (REU)

National Science Foundation, Cross-Directorate


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

Solicitation number: NSF 13-569

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.
Research on Gender in Science and Engineering (GSE)
National Science Foundation, Education and Human Resources (EHR)
Contact: Jolene Jesse, 703/292-7303, jjesse@nsf.gov
Solicitation number: NSF 10-516

The GSE program supports efforts to understand and address gender-based differences in science, technology, engineering, and mathematics education and workforce participation through research projects. Behavioral, cognitive, affective, learning, and social differences may be investigated using methods of sociology, psychology, anthropology, economics, statistics, and other social and behavioral science and education disciplines. Research projects investigate gender-based factors that impact learning and choice in STEM education and the workforce; or study societal, formal and informal educational systems' interaction with individuals that encourage or discourage interest and persistence in study or careers in certain STEM fields along gender lines. Diffusion of Research-Based Innovation projects provide a mechanism for engaging a wider audience of practitioners with research findings and strategies for changing educational practice relative to gender issues. There are three types of Diffusion awards: Pilot, Scale Up, and Dissemination. Extension Services create a cadre of extension service agents through training and consulting services to inform educators and other practitioners about and enable them to adopt and embed proven gender-inclusive policies and practices.

Science of Organizations (SoO)
National Science Foundation, Social, Behavioral, and Economic Sciences (SBE)
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504696
Contact: Jacqueline Meszaros, 703/292-7261, jmeszar@nsf.gov
Solicitation number: PD 11-8031

This program funds basic research that yields a scientific evidence base for improving the design and emergence, development and deployment, and management and ultimate effectiveness of organizations of all kinds. Successful research proposals use scientific methods to develop and refine theories, to empirically test theories and frameworks, and to develop new measures and methods. Funded research is aimed at yielding generalizable insights that are of value to the business practitioner, policy-maker, and research communities.

Geography and Spatial Sciences Program (GSS)
National Science Foundation
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503621
Contact: Thomas Baerwald, 703/292-7301, tbaerwal@nsf.gov
Solicitation number: NSF 12-570

This program sponsors research on the geographic distributions and interactions of human, physical, and biotic systems on the Earth's surface. Investigations are encouraged to propose plans for research about the nature, causes, and consequences of human activity and natural environmental processes across a range of scales. Projects on a variety of topics (both domestic and international) qualify for support if they offer promise of contributing to scholarship by enhancing geographical knowledge, concepts, theories, methods, and their application to societal problems and concerns. GSS encourages projects that explicitly integrate undergraduate and graduate education into the overall research agenda. Regular research awards range from $40K - $400K.
9/9/2013  Preliminary Proposal (required)
11/12/2013  Full Proposal

International Collaboration in Chemistry between US Investigators and their Counterparts Abroad (ICC)
National Science Foundation, Mathematical and Physical Sciences (MPS)
Contact: Zeev Rosenzweig, 703/292-7719, zrosenzw@nsf.gov
Solicitation number:  NSF 13-573
The program seeks new and highly innovative three-year collaborative projects that break new ground, make use of unique resources and capabilities in participating foreign countries and demonstrate a high level of synergy between the collaborating investigators. Formation of new collaborations is strongly encouraged. Proposed projects in the area of sustainable chemistry will have higher priority. The anticipated average award size is $420K for three years (total cost).

9/9/2013  Full Proposal

Science of Science and Innovation Policy (SciSIP)
National Science Foundation
Contact: David Croson, 703/292-7369, dcroson@nsf.gov
Solicitation number: PD 09-7626
The SciSIP program supports research designed to advance the scientific basis of science and innovation policy. Research funded by the program thus develops, improves and expands models, analytical tools, data and metrics that can be applied in the science policy decision making process. Among the many research topics supported are: 1) examinations of the ways in which the contexts, structures and processes of science and engineering research are affected by policy decision; 2) the evaluation of the tangible and intangible returns from investments in science and from investments in research and development; 3) the study of structures and processes that facilitate the development of usable knowledge, theories of creative processes and their transformation into social and economic outcomes; and 4) the collection, analysis and visualization of new data describing the scientific and engineering enterprise.

9/9/2013  Application

FY2014 Research Opportunities in High Energy Physics
National Science Foundation
https://www.fedconnect.net/FedConnect/?doc=DE-FOA-0000948&agency=DOE
Contact: Varies with research interest
Solicitation number: DE-FOA-0000948
The mission of the High Energy Physics (HEP) program is to understand how the universe works at its most fundamental level, which is done by discovering the elementary constituents of matter and energy, probing the interactions between them, and exploring the basic nature of space and time. The HEP program focuses on three scientific frontiers: 1) The Energy Frontier; 2) The Intensity Frontier; and 3) The Cosmic Frontier. Also integral to the mission of HEP are three cross-cutting research areas that enable new scientific opportunities by developing the necessary tools and methods for discoveries: 1) Theoretical Particle Physics; 2) Accelerator Science and Technology Research and Development; and 3) Particle Detector Research and Development. All grant applications should address specific research goals in one or more of these six research subprograms, and explain how the proposed research or technology development supports the broad scientific objectives and mission of the HEP program. While it is anticipated that approximately $40M will be available for all HEP awards, the number, duration and size of awards will depend on the number of applications selected for award, and the actual amount of funds available.

9/10/2013  Preliminary Proposal (required)
4/10/2014  Full Proposal

Expeditions in Computing
National Science Foundation
Contact: Mitra Basu, 703/292-8910, mbasu@nsf.gov
Solicitation number: NSF 10-564
The Expeditions in Computing program provides the CISE research and education community with the opportunity to pursue ambitious, fundamental research agendas that promise to define the future of computing and information. In planning Expeditions, investigators are encouraged to come together within or across departments or institutions to combine their creative talents in the identification of compelling, transformative research agendas that promise disruptive innovations in computing and information for many years to come. Projects are funded at levels up to $2M per year for five years.
**Water Sustainability and Climate (WSC)**

National Science Foundation, Cross-Directorate


Contact: Varies with research interest

Solicitation number: NSF 13-535

The goal of this solicitation is to understand and predict the interactions between the water system and climate change, land use, the built environment, and ecosystem function and services through place-based research and integrative models. Successful proposals are expected to study water systems in their entirety and to enable a new interdisciplinary paradigm in water research. Proposals that do not broadly integrate across the biological sciences, geosciences, engineering, and social sciences may be returned without review. Three categories of awards are anticipated for this solicitation: 1) Category 1 Awards: Small team synthesis, modeling, integration and assessment projects that will use existing data (or new measurements) to study entire watersheds and groundwater sites. Projects will have a duration of 2-4 years for a maximum of $600K for each award; 2) Category 2 Awards: Place-based modeling studies with new observations, 3-5 years in duration and in the range of $2M to $4M for each project; and 3) Category 3 Awards: Synthesis, modeling and integration grants that will use only existing data to integrate and synthesize across watershed and groundwater sites. Project duration of 3-5 years and in the range of $1M to $2.5M for each project.

**Documenting Endangered Languages (DEL)**

National Science Foundation, Cross-Directorate


Contact: Varies with research interest

Solicitation number: NSF 11-554

This funding partnership between the National Science Foundation (NSF) and the National Endowment for the Humanities (NEH) supports projects to develop and advance knowledge concerning endangered human languages. Funding can support fieldwork and other activities relevant to the digital recording, documenting, and archiving of endangered languages, including the preparation of lexicons, grammars, text samples, and databases. Funding will be available in the form of one- to three-year project grants as well as fellowships for up to twelve months and doctoral dissertation research improvement grants for up to 24 months.

**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.
Mid-Scale Innovations Program in Astronomical Sciences (MSIP) - Limited Submission

National Science Foundation


Contact: Richard Barvainis, 703/292-4891, rbarvai@nsf.gov

Solicitation number: NSF 13-567

MSIP is designed to fill the need for a well-defined budgetary and competitive selection process to support astronomical projects of intermediate to large cost (but below the MREFC threshold). This solicitation fills part of the mid-scale gap, from $4M to $40M. This program will be formally divided into four subcategories: 1) limited term, self-contained science projects; 2) longer term mid-scale facilities; 3) development investments for future mid-scale and large-scale projects; and 4) community open access capabilities. The MSIP will emphasize both strong scientific merit and a well-developed plan for student training and involvement of a diverse and inclusive workforce in instrumentation, facility development, or data management. The budgets for each of the four categories will be flexible, and distribution across categories will depend on proposal pressure modulated by consideration of programmatic emphasis.

Emerging Frontiers in Research and Innovation (EFRI): Two-dimensional Atomic-layer Research and Engineering (2-DARE)

National Science Foundation


Contact: Varies

Solicitation number: NSF 13-583

EFRI seeks proposals with transformative ideas that represent an opportunity for a significant shift in fundamental engineering knowledge with a strong potential for long term impact on national needs or a grand challenge. Proposals will be considered that aim to investigate emerging frontiers in the following research area: Two-Dimensional Atomic-layer Research and Engineering (2-DARE). Interest within other Federal agencies, specifically Air Force Office of Scientific Research (AFOSR), may lead to an interagency effort. Submitted proposals may be shared with interested representatives from AFOSR. Each project team may receive support of up to a total of $2M over four years. EFRI plans to repeat 2-DARE as a topic in the FY-2015 solicitation, pending the availability of funds.

Focused Research Groups in the Mathematical Sciences (FRG)

National Science Foundation, Mathematical and Physical Sciences (MPS)


Contact: Varies with research interest

Solicitation number: NSF 12-566

The purpose of the FRG activity is to allow groups of researchers to respond to recognized scientific needs of pressing importance, to take advantage of current scientific opportunities, or to prepare the ground for anticipated significant scientific developments in the mathematical sciences. Groups may include, in addition to mathematical scientists, researchers from other science and engineering disciplines appropriate to the proposed research. The activity supports projects for which the collective effort by a group of researchers is necessary to reach the scientific goals. Projects should be scientifically focused and well-delineated. It is not the intent of this activity to provide general support for infrastructure. Projects should also be timely, limited in duration to up to three years, and substantial in their scope and impact. Proposals may be submitted for any funding amount from $150K-$500K per year.
Cooperative Studies Of The Earth's Deep Interior (CSEDI)
National Science Foundation, Geosciences (GEO)
Contact: Robin Reichlin, 703/292-8556, rreichli@nsf.gov
Solicitation number: NSF 11-548
Funding will support basic research on the character and dynamics of the Earth's mantle and core, their influence on the evolution of the Earth as a whole, and on processes operating within the deep interior that affect or are expressed on the Earth's surface. Projects may employ any combination of field, laboratory, and computational studies with observational, theoretical, or experimental approaches. Support is available for research and research infrastructure through grants and cooperative agreements awarded in response to investigator-initiated proposals from U.S. universities and other eligible institutions. Multidisciplinary work is required.

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.

International Science and Engineering Visualization Challenge
National Science Foundation
Contact: scivis@nsf.gov
Solicitation number:
The National Science Foundation and the journal Science created this challenge to celebrate the grand tradition of science illustration. The spirit of the competition is for communicating science, engineering and technology for education and journalistic purposes. Judges appointed by NSF and Science will select winners in each of five categories: Photography, Illustrations, Posters and Graphics, Video Games and Apps, and Videos. The winning entries will appear in a special section in Science and Science Online, and on the NSF website, and one of the winning entries will be pictured on the front cover. In addition, each winner will receive a one-year print and online subscription to the journal Science and a certificate of appreciation.
**Hazard Mitigation and Structural Engineering (HMSE)**

National Science Foundation


Contact: Kishor Mehta, 703/292-7081, kimehta@nsf.gov

Solicitation number: PD 13-1637

The Hazard Mitigation and Structural Engineering (HMSE) program supports fundamental research to mitigate impacts of natural and anthropogenic hazards on civil infrastructure and to advance the reliability, resiliency, and sustainability of buildings and other structures. Hazards considered within the program include earthquake, tsunami, hurricane, tornado and other loads, as well as explosive and impact loading. Resiliency of buildings and other structures include structural and non-structural systems that, in totality, permit continued occupation or operation in case of an impact by a hazard. Research is encouraged that integrates structural and architectural engineering advances with discoveries in other science and engineering fields, such as earth and atmospheric sciences, material science, mechanics of materials, sensor technology, high performance computational modeling and simulation, dynamic system and control, and economics. The program seeks to fund transformative and cost-effective innovations for hazard mitigation of both new and rehabilitated buildings and other structures. Research in structural and architectural engineering is encouraged that extends beyond mature or current construction materials into investigations of smart and sustainable materials and technologies, and considers the structures in their entirety. In addition, the program funds research on structural health monitoring that goes beyond data acquisition to include the holistic system, integrating condition assessment and decision making tools to improve structural performance.

**Engineering and Systems Design**

National Science Foundation


Contact: Paul Collopy, 703/292-2241, pcollopy@nsf.gov

Solicitation number: PD-13-1464

This program supports descriptive and normative research leading to a theory of engineering design and an understanding of systems engineering. The program is focused on gaining an understanding of the basic processes and phenomena underlying a view of design where the system life-cycle context informs the identification and definition of preferences, analysis of alternatives, effective accommodation of uncertainty in decision-making, and the relationship between data, information, and knowledge in a digitally-supported environment. The program funds advances in a descriptive understanding of design and basic design theory that span multiple domains, such as the relationship of systems to the environment, the significance of manufacturability, and the range of complexity from small designed artifacts to large engineered systems.

**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.
Research Experiences for Teachers (RET) in Engineering and Computer Science Supplements

National Science Foundation, Computer and Information Sciences and Engineering (CISE), Engineering (ENG)


Contact: Varies with research interest

Solicitation number: NSF 11-509

The Research Experiences for Teachers (RET) in Engineering and Computer Science program encourages the active participation of both in-service and pre-service K-12 science, technology, engineering, computer science and mathematics (STEM) teachers and community college faculty in ongoing NSF supported engineering and computer science research. A request for funding of a RET in Engineering and Computer Science supplement should be made under an existing NSF ENG or CISE award or within a proposal for a new or renewed NSF ENG or CISE award. The description of the RET activity must clearly articulate in some detail the form and nature of the prospective K-12 STEM teacher and/or community college faculty member's involvement in the Principal Investigator's ongoing or proposed research. Supplements are limited to a maximum of $10K per teacher for a duration of one year subject to the availability of funds.

NSF Astronomy and Astrophysics Postdoctoral Fellowships (AAPF)

National Science Foundation, Mathematical and Physical Sciences (MPS)


Contact: Edward Ajhar, 703/292-5039, eajhar@nsf.gov

Solicitation number: NSF 11-559

NSF Astronomy and Astrophysics Postdoctoral Fellowships provide an opportunity for highly qualified, recent doctoral scientists to carry out an integrated program of independent research and education. Fellows may engage in observational, instrumental, theoretical, laboratory or archival data research in any area of astronomy or astrophysics, in combination with a coherent educational plan for the duration of the fellowship. The program supports researchers for a period of up to three years with fellowships that may be taken to eligible host institution(s) of their choice. The program is intended to recognize early-career investigators of significant potential and to provide them with experience in research and education that will establish them in positions of distinction and leadership in the community. The annual fellowship amount of $89K consists of two types of payments: 1) an annual stipend of $62K, paid directly to the Fellow on a monthly schedule; and 2) an annual fellowship allowance of $27K, paid directly to the Fellow and intended to cover costs of the fellowship.

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
Geospace Environment Modeling (GEM)
National Science Foundation, Geosciences (GEO)
Contact: Varies with research interest
Solicitation number: NSF 10-510
GEM is a broad-based, community-initiated research program on the physics of the Earth's magnetosphere and the coupling of the magnetosphere to the atmosphere and to the solar wind. The purpose of the GEM program is to support basic research into the dynamical and structural properties of geospace, leading to the construction of a global Geospace General Circulation Model (GGCM) with predictive capability. The typical award size is approximately $90K per year with a duration of three years.

Paleo Perspectives on Climate Change (P2C2)
National Science Foundation, Geosciences (GEO)
Contact: Varies with research interests
Solicitation number: NSF 13-576
The goal of research funded under this solicitation is to utilize key geological, chemical, and biological records of climate system variability to provide insights into the mechanisms and rate of change that characterized Earth’s past climate variability, the sensitivity of Earth’s climate system to changes in forcing, and the response of key components of the Earth system to these changes. Approximately 35 new awards per year (with $11M in funding expected to be available each year) will be made for a typical award duration of three years.

Computing and Communication Foundations (CCF) - Core Programs
National Science Foundation, Computer and Information Sciences and Engineering (CISE)
Contact: Varies with research interest
Solicitation number: NSF 13-579
This FOA supports research and education projects that develop new knowledge in three core programs: 1) The Algorithmic Foundations (AF) program; 2) The Communications and Information Foundations (CIF) program; and 3) The Software and Hardware Foundations (SHF) program. Research on algorithms for problems that are central to computer science and engineering as well as new techniques for the rigorous analysis of algorithms are of interest. The goal of the AF program is to understand the fundamental limits of resource-bounded computation and to obtain efficient solutions within those limits. The CIF program supports basic research in wireless communications, information theory and coding, and the SHF program supports research and education projects on the design, verification, operation, utilization, and evaluation of computer hardware and software through novel approaches, robust theories, high-leverage tools, and lasting principles. Proposers are invited to submit proposals in three project classes, which are defined as follows: 1) Small Projects - up to $500K total budget with durations up to three years; 2) Medium Projects - $500K to $1.2M total budget with durations up to four years; and 3) Large Projects - $1.2M to $3M total budget with durations up to five years.
Information and Intelligent Systems (IIS) - Core Programs
National Science Foundation, Computer and Information Sciences and Engineering (CISE)
Contact: Varies with research interest
Solicitation number: NSF 13-580
This FOA supports research and education projects that develop new knowledge in three core programs: 1) The Cyber-Human Systems (CHS) program; 2) The Information Integration and Informatics (III) program; and 3) The Robust Intelligence (RI) program. CHS research applies knowledge of computing and communications together with theoretical and practical understanding of behavioral, social and design sciences to better develop diverse kinds of systems. The III program supports research to realize the full transformative potential of data, information and knowledge in this increasingly digital and interconnected world. The RI program advances and integrates the research traditions of artificial intelligence, computer vision, human language research, robotics, machine learning, computational neuroscience, cognitive science, and related areas. Proposers are invited to submit proposals in three project classes, which are defined as follows: 1) Small Projects - up to $500K total budget with durations up to three years; 2) Medium Projects - $500K to $1.2M total budget with durations up to four years; and 3) Large Projects - $1.2M to $3M total budget with durations up to five years.

Computer and Network Systems (CNS) - Core Programs
National Science Foundation, Computer and Information Sciences and Engineering (CISE)
Contact: Varies with research interest
Solicitation number: NSF 13-581
This FOA supports research and education projects that develop new knowledge in two core programs: 1) Computer Systems Research (CSR) program; and 2) Networking Technology and Systems (NeTS) program. The CSR core supports four highlighted areas: 1) Cloud Computing; 2) Embedded and Hybrid Systems; 3) Extensible Distributed Systems; and 4) Sustainable Computing. The NeTS core supports three highlighted areas: 1) Networks Leveraging or Advancing New Technologies; 2) Networks that Address Emerging National Needs and Trends; and 3) Meta-Networking Research. Proposers are invited to submit proposals in three project classes, which are defined as follows: 1) Small Projects - up to $500K total budget with durations up to three years; 2) Medium Projects - $500K to $1.2M total budget with durations up to four years; and 3) Large Projects - $1.2M to $3M total budget with durations up to five years.

Secure and Trustworthy Cyberspace
National Science Foundation, Computer and Information Sciences and Engineering (CISE)
Contact: Varies with research interest
Solicitation number: NSF 13-578
The SaTC program welcomes proposals that address Cybersecurity from a Trustworthy Computing Systems (TWC) perspective and/or a Social, Behavioral and Economic Sciences (SBE) perspective, including proposals that integrate research addressing both of these perspectives as well as proposals focusing entirely on Cybersecurity Education. Proposals may be submitted in one of the following three categories: 1) Small projects: up to $500K in total budget, with durations of up to three years; 2) Medium projects: $500K to $1.2M in total budget, with durations of up to four years; and 3) Frontier projects: $1.2M to $10M in total budget, with durations of up to five years. In addition, the SaTC program seeks proposals addressing Cybersecurity Education with total budgets limited to $300K and durations of up to two years.
Advanced Technological Education (ATE)

National Science Foundation, Education and Human Resources (EHR)


Contact: Varies with research interest

Solicitation number: NSF 11-692

With an emphasis on two-year colleges, the ATE program focuses on the education of technicians for the high-technology fields that drive our nation’s economy. The program involves partnerships between academic institutions and employers to promote improvement in the education of science and engineering technicians at the undergraduate and secondary school levels. The ATE program supports curriculum development; professional development of college faculty and secondary school teachers; career pathways to two-year colleges from secondary schools and from two-year colleges to four-year institutions; and other activities. Another goal is articulation between two-year and four-year programs for K-12 prospective teachers that focus on technological education. The program also invites proposals focusing on research to advance the knowledge base related to technician education. ATE Projects awards approximately 45-60 new awards, ranging from $25K to $300K per year and having a duration of up to three years, except for Large Scale Materials Development (LSMD) projects, which are limited to $500K per year for four years.

Arctic Research Opportunities

National Science Foundation, Office of Polar Programs


Contact: Varies with research interest

Solicitation number: NSF 10-597

The goal of the NSF Division of Arctic Sciences is to gain a better understanding of the Arctic's physical, biological, geological, chemical, social and cultural processes; the interactions of oceanic, terrestrial, atmospheric, biological, social, cultural, and economic systems; and the connections that define the Arctic. The Division of Arctic Sciences and other NSF programs support projects that contribute to the development of the next generation of researchers and scientific literacy for all ages through education, outreach, and broadening participation in science, technology, engineering, and mathematics. Program representatives from OPP and other non-OPP NSF programs that support arctic research coordinate across NSF, including joint review and funding of arctic proposals and mutual support of special projects with high logistical costs. Research opportunities are supported by the following programs: Arctic Natural Sciences Program (ANS); Arctic System Science Program (ARCSS); Arctic Social Sciences Program (ASSP); Arctic Observing Network (AON); and Cyberinfrastructure (ACI).

CISE Computing Research Infrastructure (CRI)

National Science Foundation, Computer and Information Sciences and Engineering (CISE)


Contact: Edwina Rissland, 703/292-8930, erisslan@nsf.gov

Solicitation number: NSF 11-536

CRI drives discovery and learning in the computing disciplines by supporting the creation, enhancement, and operation of world-class computing research infrastructure. The CRI program supports two classes of awards. Institutional Infrastructure (II) awards support the creation of new computing research infrastructure or the enhancement of existing computing research infrastructure and will be made in the $200K to $750K range. Community Infrastructure (CI) awards support the planning for computing research infrastructure, the creation of new computing infrastructure, or the enhancement of existing computing research infrastructure and will be made in the $500K to $1M range.
**SBE Postdoctoral Research Fellowships (SPRF)**

National Science Foundation, Social, Behavioral, and Economic Sciences (SBE)


Contact: Christina Jones, 703/292-2960, chjones@nsf.gov

Solicitation number: NSF 12-591

SBE offers Postdoctoral Research Fellowships in two tracks: 1) Broadening Participation (SPRF-BP) which aims to increase the diversity of researchers who participate in NSF programs in the social, behavioral and economic sciences and thereby increase the participation of scientists from under-represented groups in selected areas of science in the United States; and 2) Interdisciplinary Research in Behavioral and Social Sciences (SPRF-IBSS), which aims to support interdisciplinary training where at least one of the disciplinary components is an SBE science. Up to 15 total fellowships will be awarded with an anticipated budget of $3M per year contingent upon the quality of applications and availability of funds.

**National Robotics Initiative (NRI)**

National Science Foundation


Contact: Varies with research interest

Solicitation number: NSF 11-553

The goal of the National Robotics Initiative is to accelerate the development and use of robots that work beside, or cooperatively with, people. Innovative robotics research and applications emphasizing the realization of such co-robots acting in direct support of and in a symbiotic relationship with human partners is supported by the National Science Foundation, NASA, the National Institutes of Health, and the U.S. Department of Agriculture. The purpose of this program is the development of this next generation of robotics, to advance the capability and usability of such systems and artifacts, and to encourage existing and new communities to focus on innovative application areas. It will address the entire life cycle from fundamental research and development to industry manufacturing and deployment. Methods for the establishment and infusion of robotics in educational curricula and research to gain a better understanding of the long term social, behavioral and economic implications of co-robots across all areas of human activity are important parts of this initiative. Collaboration between academic, industry, non-profit and other organizations is strongly encouraged to establish better linkages between fundamental science and technology development, deployment and use. Two classes of proposals will be considered in response to this solicitation: 1) Small projects of one or more investigators spanning 1 to 5 years; and 2) Large projects of Multi-disciplinary teams spanning 1 to 5 years.

**NSF Graduate Research Fellowship Program**

National Science Foundation, Cross-Directorate


Contact: Gisele Muller-Parker, 703/292-8694, grfp@nsf.gov

Solicitation number: NSF 13-584

The Graduate Research Fellowship Program (GRFP) awards Fellowships for graduate study leading to research-based master’s and doctoral degrees in the fields of science and engineering within the mission of the National Science Foundation. NSF Graduate Research Fellowships are awarded to individuals in the early stages of their graduate study. All applicants are expected to have adequate preparation to begin graduate-level study and research by summer or fall of 2014. GRFP supports individuals proposing a comprehensive holistic plan for graduate education that takes into account individual interests and competencies. Prospective applicants are advised that submission of an application implies a commitment to the pursuit of graduate study in a research-based program in a science and engineering field supported by NSF. Each Fellowship consists of three years of support usable over a five-year period. For each year of support, NSF provides a stipend of $32K to the Fellow and a cost-of-education allowance of $12K to the degree-granting institution.
CISE Research Infrastructure (CRI)

National Science Foundation


Contact: Harriet Taylor, 703/292-8950, htaylor@nsf.gov

Solicitation number: NSF 13-585

The CISE Research Infrastructure (CRI) program drives discovery and learning in the core CISE disciplines of the three participating CISE divisions by supporting the creation and enhancement of world-class computing research infrastructure. This infrastructure will enable CISE researchers to advance the frontiers of CISE research. Further, through the CRI program CISE seeks to ensure that individuals from a diverse range of academic institutions, including minority-serving and predominantly undergraduate institutions, have access to such infrastructure. The CRI program supports two classes of awards: 1) Institutional Infrastructure awards support the creation of new CISE research infrastructure or the enhancement of existing CISE research infrastructure; and 2) Community Infrastructure awards support the planning for new CISE community research infrastructure, the creation of new CISE research infrastructure or the enhancement of existing CISE infrastructure. The majority of the Institutional Infrastructure awards will be made in the $200K to $750K range, with a small number of awards receiving the maximum $1M. The majority of the Community Infrastructure awards will be made in the $500K to $1M range, with a very small number of awards receiving up to $3M. The majority of the Community Infrastructure Planning awards will be made in the $50K to $100K range.

Expeditions in Training, Research, & Education for Mathematics and Statistics through Quantitative Explorations o

The long-range goal of EXTREEMS-QED is to support efforts to educate the next generation of mathematics and statistics undergraduate students to confront new challenges in computational and data-enabled science and engineering (CDS&E). EXTREEMS-QED projects must enhance the knowledge and skills of most, if not all, the institution's mathematics and statistics majors through training that incorporates computational tools for analysis of large data sets and for modeling and simulation of complex systems. Funded activities are expected to: 1) provide opportunities for undergraduate research and hands-on experiences centered on CDS&E; 2) result in significant changes to the undergraduate mathematics and statistics curriculum; 3) have broad institutional support and department-wide commitment that encourage collaborations within and across disciplines; and 4) include professional development activities for faculty or for K-12 teachers. The maximum project period is five years.

Private/Nonprofit Agencies

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.

Mellon Foundation Grants

The Andrew W. Mellon Foundation

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.
National Geographic Society Waitt Grants

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.

Public Welfare Grants

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.

Committee for Research and Exploration Grant

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) 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/apply-for-a-grant/
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 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 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 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.

Ongoing

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.
Ongoing

**Humanities Program Grants**

The Gladys Krieble Delmas Foundation

[http://delmas.org/?page_id=6 - humanities](http://delmas.org/?page_id=6 - humanities)

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.

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Ongoing

**Changes in Health Care Financing and Organization (HCFO)**

Robert Wood Johnson Foundation


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.

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Ongoing

**Brain and Behavior Research Grants**

Brain & Behavior Research Foundation


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

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.

Contact: Margo Cunniffe, 202/686-6243, mcunniffe@iie.org

Anthropological Historical Archives Program

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.

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

Humanities Research Projects

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.
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.

Monticello College Foundation Grants

The Monticello College Foundation

http://monticellofound.org/grants.cfm

Contact: 618/468-2370

Solicitation number:

To be eligible, a project must have the potential to make a genuine, effective contribution to the advancement of education for women. Where applicable, the grant recipient should be able to assure continuance of a successful project after the termination of the grant. Professional educational associations, agencies servicing women’s education, and all accredited degree-granting two and four-year colleges and universities are eligible to apply for grants. 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.

EIF Grants

Engineering Information Foundation

http://www.eifgrants.org/info/index.html

Contact: 212/579-7596, info@eifgrants.org

Solicitation number:

EIF’s grant activity supports developmental projects, instructional projects, and training programs in engineering education and research that fit our fields of interest. These currently include the availability and use of published information, women in engineering, and information access in developing countries. Award amount requests should be between $5K and $25K. Projects should be innovative, promote significant and lasting change, and be able to be successfully replicated elsewhere. 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.
Abe Fellowship Program
Social Science Research Council
http://www.ssrc.org/fellowships/abe-fellowship/
Contact: 212/377-2700, abe@ssrc.org
Solicitation number:

The Abe Fellowship is designed to encourage international multidisciplinary research on topics of pressing global concern. The program seeks to foster the development of a new generation of researchers who are interested in policy-relevant topics of long-range importance and who are willing to become key members of a bilateral and global research network built around such topics. It strives especially to promote a new level of intellectual cooperation between the Japanese and American academic and professional communities committed to and trained for advancing global understanding and problem solving. Applicants are invited to submit proposals for research in the social sciences and related disciplines relevant to any one or any combination of the themes: 1) Traditional and non-traditional approaches to security and diplomacy; 2) Global and regional economic issues; and 3) Social and cultural issues. The program provides Abe Fellows with a minimum of 3 and maximum of 12 months of full-time support over a 24 month 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.

Samuel Rubin Grants
Samuel Rubin Foundation
http://www.samuelrubinfoundation.org/guidelines.html
Contact: Lauranne Jones, 212/697-8945, lauranne@igc.org
Solicitation number:

The Foundation is dedicated to the pursuit of peace and justice and the search for an equitable reallocation of the world’s resources. The Foundation believes that these objectives can be achieved only through the fullest implementation of social, economic, political, civil and cultural rights for all the world’s people. Applications for general operating expenses are accepted, as well as for applications specific projects within an organization. The majority of grants range from $5K to $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.

Major Grants
Spencer Foundation
http://www.spencer.org/content.cfm/budgets-over-50000
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 $50K. 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.

MacDowell Fellowships
The MacDowell Colony
http://www.macdowellcolony.org/apply-appguidelines.html
Contact: 603/924-3886, admissions@macdowellcolony.org
Solicitation number:

A MacDowell Fellowship provides time, space, and an inspiring environment for artists and consists of exclusive use of a studio, accommodations, and meals for up to eight weeks. The Colony accepts applications from artists working in the following disciplines: architecture, film/video arts, interdisciplinary arts, literature, music composition, theatre, and visual arts. The sole criterion for acceptance is artistic excellence. 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.
**Fellowships to Assist Research and Artistic Creation**

John Simon Guggenheim Memorial Foundation

http://www.gf.org/applicants/the-united-states-canadian-competition/

Contact: 212/687-4470

Solicitation number:

Often characterized as "midcareer" awards, Guggenheim Fellowships are intended for men and women who have already demonstrated exceptional capacity for productive scholarship or exceptional creative ability in the arts. Candidates must apply to the Guggenheim Foundation in order to be considered for a fellowship. Guggenheim Fellowships are not available for the creation of residencies, curriculum development, or any type of educational program, nor are they available to support the development of websites or blogs. Awards are not available to support the writing of literature for children or young readers. Approximately 200 Fellowships are awarded each year.

**Charles A. Ryskamp Research Fellowships**

American Council of Learned Societies (ACLS)


Contact: fellowships@acls.org

Solicitation number:

These fellowships support advanced assistant professors in the humanities and related social sciences whose scholarly contributions have advanced their fields and who have well-designed and carefully developed plans for new research. The fellowships are intended to provide time and resources to enable these faculty members to conduct their research under optimal conditions. The ultimate goal of the project should be a major piece of scholarly work by the applicant. Ryskamp Fellowships are intended to support an academic year of research (nine months), plus an additional summer's research (two months) if justified. Each fellowship carries a stipend of $64K, a fund of $2.5K for research and travel, and an additional 2/9 of the stipend for one summer’s support, if justified. 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.

**ACLS Digital Innovation Fellowships**

American Council of Learned Societies (ACLS)


Contact: fellowships@acls.org

Solicitation number:

This program supports digitally based research projects in all disciplines of the humanities and related social sciences. It is hoped that projects of successful applicants will help advance digital humanistic scholarship by broadening understanding of its nature and exemplifying the robust infrastructure necessary for creating such works. ACLS Digital Innovation Fellowships are intended to support an academic year dedicated to work on a major scholarly project that takes a digital form. Each fellowship carries a stipend of up to $60K towards an academic year’s leave and provides for project costs of up to $25K. 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.

**ACLS SSRC NEH International and Area Studies Fellowships**

American Council of Learned Societies (ACLS)


Contact:

Solicitation number:

The ACLS Fellowship program invites research applications in all disciplines of the humanities and related social sciences. The ultimate goal of the project should be a major piece of scholarly work by the applicant. Scholars pursuing research and writing on the societies and cultures of Asia, Africa, the Middle East, Latin America and the Caribbean, Eastern Europe, and the former Soviet Union will be eligible for these special fellowships. ACLS does not fund creative work (e.g., novels or films), textbooks, straightforward translation, or pedagogical projects. The ACLS Fellowships are intended as salary replacement to help scholars devote six to twelve continuous months to full-time research and writing. The fellowship stipend is set at three levels based on academic rank: up to $35K for Assistant Professor and career equivalent; up to $45K for Associate Professor and career equivalent; and up to $65K for full Professor and career equivalent.
Beckman Young Investigators Program 2014
Arnold and Mabel Beckman Foundation
Contact: 949/721-2222, administration@beckman-foundation.com
Solicitation number:
The Beckman Young Investigator (BYI) Program is intended to provide research support to the most promising young faculty members in the early stages of academic careers in the chemical and life sciences particularly to foster the invention of methods, instruments and materials that will open up new avenues of research in science. The BYI program is intended to provide funding to individuals with minimal or no external or internal funding from parent or other organizations. Proposals that have substantial funding will not be considered for the BYI award. Projects are normally funded for a period of up to four years. Grants may be in the range of $750K over the term of the project, contingent upon demonstrated progress following the first two years of the award. To be eligible, an applicant should not have completed more than three full years in his or her tenure-track or other comparable independent research appointment. Interested investigators should notify Research Development early if they plan to submit so that we can help coordinate the required dean and executive vice chancellor signatures needed for the application.

10/1/2013  Application
1/15/2014  Application

Kress Foundation Grant Programs
Kress Foundation
Contact: 212/861-4993, info@kressfoundation.org
Solicitation number:
Through its Grant Programs, the Kress Foundation supports scholarly projects that promote the appreciation, interpretation, preservation, study and teaching of European art from antiquity to the early 19th century. The History of Art Program supports scholarly projects that will enhance the appreciation and understanding of European art and architecture. The Conservation Program supports the professional practice of art conservation. The Digital Resources Program supports the creation of important online resources in art history, including both textual and visual resources. 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.

10/1/2013  Application

Walker Foundation Grants
Yale University
http://walker-foundation.org/grant-guidelines
Contact:
Solicitation number:
The Foundation funds local, national, and international projects as pilot studies or demonstrations for solving economic imbalances that may affect the United States or challenge the global free-enterprise system. 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.

10/1/2013  Application
2/1/2014  Application

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.
**Conference and Workshop Grants**  
The Wenner-Gren Foundation  
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.

**Franklin Research Grants**  
American Philosophical Society  
[http://www.amphilsoc.org/grants/franklin](http://www.amphilsoc.org/grants/franklin)  
Contact: Linda Musumeci, 215/440-3429, LMusumeci@amphilsoc.org  
Solicitation number:  
The American Philosophical Society awards small grants to scholars in order to support the cost of research leading to publication in all areas of knowledge. The program is particularly designed to help meet the costs of travel to libraries and archives for research purposes; the purchase of microfilm, photocopies, or equivalent research materials; the costs associated with fieldwork; or laboratory research expenses. Applicants are expected to have a doctorate or to have published work of doctoral character and quality. Ph.D. candidates are not eligible to apply. Funding is offered up to a maximum of $6K for use in calendar year 2013. 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.

**Wabash Center Grants**  
Wabash College  
[http://www.wabashcenter.wabash.edu/grants/default.aspx](http://www.wabashcenter.wabash.edu/grants/default.aspx)  
Contact: Paul Myhre, 800/655-7117, myhrep@wabash.edu  
Solicitation number:  
The Wabash Center provides funds for activities that enhance teaching and learning in the fields of religion and theology. It seeks to fund projects that promote a sustained conversation about pedagogy through the improvement of practical applications of teaching and learning methods, the encouragement of research and study of pedagogical issues, and the creation of a supportive environment for teaching. All proposals should maintain a reference to specific classroom practices and challenges. This FOA accepts applications for two types of grants: 1) Small Project Grants (for amounts up to $2.5K) have a short application process and can be approved anytime throughout the year; and 2) Project Grants (for amounts up to $20K) require a full application process and are awarded at two different times during the 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.
**Center for Global Partnership Grants**

The Japan Foundation


Contact: Carolyn Fleisher

Solicitation number:

The Japan Foundation Center for Global Partnership (CGP) is dedicated to strengthening the global U.S.-Japan partnership and cultivating the next generation of public intellectuals necessary to sustain this partnership. As globalization proceeds at an unprecedented rate, to develop comprehensive solutions to resolve complex contemporary issues, it is increasingly necessary not only to incorporate a broader spectrum of scholarship, expertise, and societal actors into the dialogue but also necessary to carry out sustained exchange and dialogue amongst these diverse individuals. Bearing this in mind, the CGP Grant Program supports U.S.-Japan collaborative projects conducted by universities, think-tanks, and other non-profit organizations which incorporate one or both of the following formats: 1) fostering dialogue among diverse stakeholders to formulate solutions for a more peaceful, stable, and equitable global order; and 2) promoting partnerships amongst a broad variety of societal actors, both domestic and international, with the aim to overcome the challenges of globalization for communities worldwide.

The funding maximum is $100K per year for up to three years.

10/1/2013 Application

**California Documentary Project - Research and Development Grants**

Cal Humanities

[http://www.calhum.org/grants/california-documentary-project-grant](http://www.calhum.org/grants/california-documentary-project-grant)

Contact: John Lightfoot, jlightfoot@calhum.org

Solicitation number:

The California Documentary Project (CDP) is a competitive grants program that supports documentary film, radio, and new media productions that enhance our understanding of California and its cultures, peoples, and histories. Projects must use the humanities to provide context, depth, and perspective and be suitable for California and national audiences through broadcast and/or distribution. CDP Research and Development grants are designed to strengthen the humanities content and approach of documentary media productions in their earliest stages. Projects must actively involve at least three humanities advisors to help frame and contextualize subject matter throughout the research and development phase. Research and Development grant awards range up to $10K. The grant request must be matched by at least a 1:1 amount of cash or in-kind contributions from non-federal sources. 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.

10/1/2013 Letter of Inquiry (required)

**GRAMMY Scientific Research Projects**

GRAMMY Foundation

[http://www.grammy.org/grammy-foundation/grants](http://www.grammy.org/grammy-foundation/grants)

Contact: loi@grammy.com

Solicitation number:

The GRAMMY Foundation Grant Program awards grants to organizations and individuals to support research on the impact of music on the human condition. Examples might include the study of the effects of music on mood, cognition and healing, as well as the medical and occupational well-being of music professionals and the creative process underlying music. Priority is given to projects with strong methodological design as well those addressing an important research question. The maximum award budget is $20K. 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.
Defending Basic Freedoms Grant Program

The Herb Block Foundation

http://www.herbblockfoundation.org/programs/defending-freedoms

Contact:

This program helps safeguard the basic freedoms guaranteed in our Bill of Rights, to help eliminate all forms of prejudice and discrimination, and to assist government agencies to be more accountable to the public. The Herb Block Foundation will also consider contemporary societal issues that may arise.

Research Scholar Grants

American Cancer Society

http://www.cancer.org/research/researchprograms/funding/fundingopportunities/indexofgrants/researchgrantsforindependents

Contact: 404/329-7558, grants@cancer.org

These grants provide the resources for investigator-initiated research in a variety of cancer-relevant areas. They typically cover the cost of items such as salaries, consumable supplies, special equipment, and other miscellaneous items required to conduct the proposed research. Awards are for up to four years and for up to $200K per year (direct costs), plus 20% allowable indirect costs. Independent investigators in the first six years of an independent research career or faculty appointment are eligible to apply. 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.

CCK Scholar Grants

The Chiang Ching-kuo Foundation for International Scholarly Exchange

http://www.cckf.org.tw/e-americaSS.htm

Contact: 703/903-7460, cckfnao@aol.com

The Foundation's grants provide support for research on Chinese Studies in the humanities and social sciences. Tenured faculty, including full professors and associate professors, may apply for a CCK Scholar Grant of up to $40K or $35K, respectively, to help replace half of the salary of faculty on sabbatical, or for time off for research and writing. Junior Scholar Grants of $30K are available for scholars who have taught for no more than 6 years since receiving their PhD. 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.

Bradley Foundation Grants

The Bradley Foundation

http://www.bradleyfdn.org/program_interests.asp

Contact: 414/291-9915

The Foundation encourages projects that focus on cultivating a renewed, healthier, and more vigorous sense of citizenship among the American people, and among peoples of other nations, as well. Applicants must submit a letter of inquiry prior to submitting a full proposal. 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.
Post-Ph.D. Research Grants
The Wenner-Gren Foundation
http://www.wennergren.org/programs/post-phd-research-grants
Contact: applications@wennergren.org
Solicitation number:
Post-Ph.D. Research Grants are awarded to individuals holding a Ph.D. or equivalent degree to support individual research projects. The program contributes to the Foundation's overall mission to support basic research in anthropology. Grants provide a maximum of $20K and the Osmundsen Initiative supplement provides up to an additional $5K for a maximum grant of $25K. 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.

Lawrence Foundation Grants
The Lawrence Foundation
http://www.thelawrencefoundation.org/grants/index.php
Contact: info@thelawrencefoundation.org
Solicitation number:
The Foundation is focused on making grants to support environmental, education, human services, and other causes. The Foundation makes both program and operating grants and does not have any geographic restrictions on our grants. 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.

Investigators in the Pathogenesis of Infectious Disease 2013 - Limited Submission
Burroughs Wellcome Fund
http://www.bwfund.org/grant-programs/infectious-diseases/investigators-pathogenesis-infectious-disease
Contact: Jean Kramarik, 919/991-5100, jkramarik@bwfund.org
Solicitation number:
Five-year awards provide $500K to support accomplished investigators at the assistant professor level to study pathogenesis, with a focus on the interplay between human and microbial biology, shedding light on how human and microbial systems are affected by their encounters. The awards are intended to give recipients the freedom and flexibility to pursue new avenues of inquiry and higher-risk research projects that hold potential for significantly advancing the biochemical, pharmacological, immunological, and molecular biological understanding of how microbes and the human body interact. Areas of particular interest include: (1) Cell/Pathogen interactions; (2) Host/Pathogen interactions; (3) Novel routes to disease causation. Research support, which is under the control of the grantee, may be used flexibly for items such as consumable supplies, equipment, publishing costs, travel to scientific meetings, and laboratory personnel working with the grantee. 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.

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.
2013 Cottage Hospital - UCSB Special Research Award for Biomedical Science
Santa Barbara Cottage Hospital

http://www.research.ucsb.edu/media/163001/ucsb-sbch-rfp.pdf

Contact: Betsy Lazarine, 805/569-7436, blazarin@sbc.org

Solicitation number:

The Santa Barbara Cottage Hospital Research Committee, in cooperation with the University of California, Santa Barbara Office of Research, is pleased to issue this Request for Proposals for the 2013 Cottage Hospital - UCSB Special Research Award. This award for research with biomedical or biopsychological implications will be granted to the UCSB investigator who, in the Research Committee’s determination, most closely meets the evaluation criteria as set out for this program. Special consideration will be given to junior investigators. The Research Committee will consider with particular interest those proposals with clear medical significance, and that actively involve medical professionals associated with Cottage Health System (although this is not a requirement for this award).

The total award of $25,000 will include matching funds from the Santa Barbara Cottage Hospital Research Grant Program and UCSB Office of Research. As with all small grants from the Research Grant Program to University of California investigators, there are no indirect costs associated with these funds. Applications must be received by UCSB Sponsored Projects Office no later than Tuesday, October 1, 2013. The award will be funded during the fall of 2013. For application instructions, please contact Betsy Lazarine, Ph.D., Research Administrator at Cottage Hospital at 569-7436 or blazarin@sbc.org, or Meredith Murr, Ph.D., Director, Research Development, Office of Research, UCSB at 893-3925, or murr@research.ucsb.edu. This award is not the only funding from Santa Barbara Cottage Hospital available for UCSB researchers. UCSB researchers eligible for Principal Investigator status may apply for grants of up to $15,000 through the Cottage Hospital Research Grant Program. However, these grants require an active collaboration with a health professional affiliated with Cottage Health System. Investigators not receiving the Special Research Award may be advised by the Research Committee about the appropriateness of the area of investigation for other Santa Barbara Cottage Hospital funding. For more information on the Santa Barbara Cottage Hospital Research Grant Program, please contact Betsy Lazarine, Ph.D., Research Administrator at Cottage Hospital, at 569-7436 or blazarin@sbc.org.

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.