Funding Resources

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

RESEARCH DEVELOPMENT CONTACT INFORMATION

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Campus and Agency News

NEH SUMMER STIPENDS 2017

The Interdisciplinary Humanities Center is now accepting applications from UCSB faculty members for the National Endowment for the Humanities (NEH) 2017 Summer Stipend program. To be considered for a Summer Stipend, faculty members must submit all application materials by Wednesday, August 17, 2016. This is a limited submission funding opportunity. Members of the IHC's Advisory Board will recommend nominees for this award. As a campus UCSB may submit only two applications. NEH Summer Stipends support individuals working full-time on a humanities project at any stage of development by providing $6,000 for two consecutive months of full-time research and writing.

URL: http://www.ihc.ucsb.edu/neh-summer-stipends-2

IHC Deadline: August 17, 2016

LINDROS AWARD FOR TRANSLATING RESEARCH TO MEDICAL PRACTICE 2016

Funded through an annual gift from Carl and Jo Lindros, the 2016 Lindros Award for Translating Research to Medical Practice is intended to provide a vital link in the “bench to bedside” continuum for graduate students and post-doctoral scholars working on research and technology that has advanced from basic research and is at or near clinical application. This award will provide $10,000 to $15,000 for one year for direct research support of a significant project with acknowledged impact on human medicine that involves participation of graduate students and/or post-doctoral scholars to develop specific technologies that will impact clinical medicine.

URL: http://www.research.ucsb.edu/media/218605/2016_lindros_award.pdf

Deadline: June 17, 2016

CANCER MOONSHOT INITIATIVE

The White House recently announced the launch of the official Moonshot Initiative website and has called for commitments on collaborations to break down the barriers impeding progress in cancer research, prevention, diagnosis, and treatment. The White House Cancer Moonshot Task Force’s mission is to double the rate of progress in cancer research and treatment, striving to accelerate what could be achieved in ten years in just five. The White House plans to highlight steps that organizations and communities are taking to address these specific issues in the coming months.

URL: http://www.whitehouse.gov/cancermoonshot

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: Innovative Computational Infrastructure for Understanding the Brain

Through this Dear Colleague Letter, the NSF Directorate for Computer and Information
Science and Engineering (CISE) aims to support initial exploratory activities toward the creation of comprehensive shared computational infrastructure solutions that are designed to transform the practice of collaborative neuroscience and enable systematic and grand-scale investigations of the brain and nervous system. The present DCL encourages two types of funding requests: (1) Proposals for Conferences (community workshops) that are designed to bring together domain neuroscientists and computational infrastructure developers to explore needs for and opportunities to develop innovative computational infrastructure solutions that transform the practice of neuroscience; and (2) Early-Concept Grants for Exploratory Research (EAGERs) proposals for high risk/high reward innovative concepts and pilot projects that aim to ultimately result in deployment of ambitious, sustainable computational infrastructure resources, capabilities, and services that will enhance and accelerate the neuroscientific discovery process for a broad base of users.

Dear Colleague Letter: NSF Special Guidelines for Submitting Collaborative Proposals Under the SBE-RCUK Lead Agency Agreement

The Social, Behavioral and Economic Sciences Directorate (SBE) of the National Science Foundation (NSF) and the Research Councils of the United Kingdom (RCUK) are pleased to announce their continued support of international collaboration under the SBE-RCUK Lead Agency Agreement. The goal of this agreement is to promote transatlantic collaborative research by reducing some of the barriers to conducting international research that researchers may encounter. The SBE-RCUK Lead Agency Agreement addresses these issues by allowing US and UK researchers to submit a single collaborative proposal that will undergo a single review process.

Dear Colleague Letter: Improving Graduate Student Preparedness for Entering the Workforce, Opportunities for Supplemental Support

NSF will consider support for supplements to existing research awards to enhance professional development opportunities for students in PhD programs as described by each Directorate/OICE. These descriptions can be found in this DCL. Interested investigators should contact the cognizant program officers listed on the opportunities. Enhanced experience supplements will enable single/collaborative awardees to request appropriate levels of additional support for existing graduate students to acquire professional development experience that will broaden avenues for entering the workforce. These supplements would provide graduate students with the opportunity to augment their research assistantships, and in some cases fellowships and traineeships, with additional “mentoring” activities and short-term training opportunities.

TRAINING FOR ADMINISTRATORS IN RESEARCH (STAR)
The Sponsored Projects Training for Administrators in Research (STAR) program is a comprehensive certificated training program developed by the UCSB Office of Research to meet UCSB’s research administration needs. The program’s goals are to improve campus understanding of regulations, policies, and procedures; to strengthen internal controls; and to provide staff members with access to key resources and contacts.

The program is designed for employees with duties and responsibilities related to contract and grant administration. Participants are welcome to take one or several courses in areas of particular interest to them—or they may opt to earn a certificate in the STAR program. The certificate program offers 11 required courses offered from September through May. To earn a certificate, you must take all 11 classes. Staff members who wish to earn a STAR Program Certificate must complete the coursework in one or two years from the date they begin the course series. For more information, including a complete list of courses and registration information, visit http://www.research.ucsb.edu/spo/contracts-and-grants-liaison-resources/
Working with Industry and Intellectual Property (2 hours)
This course focuses on the unique challenges of working with the industrial sector and the tools available at the University to facilitate that work. Topics covered are research agreements, gifts, material transfer agreements, confidentiality agreements, consulting, basic intellectual property, and related UC policies. This course will also provide an opportunity to take a more in-depth look at intellectual property. The course will cover the basic principles of intellectual property as well as the characteristics of patents, copyrights, trademarks, and trade secrets. The course will also provide an overview of the technology transfer process at UCSB.

Offered: Wednesday, May 11, 2016; 9:00-11:00am
Instructors: Sherylle Mills Englander, Kevin Stewart & Jenna Nakano
Location: Marine Science Building Auditorium (MSB 1302)

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

Programs with upcoming campus deadlines include:

Programs with open campus spots (please contact [funding@research.ucsb.edu](mailto:funding@research.ucsb.edu) if you are interested in submitting to one of these programs):
- NIH Diabetes Research Centers (P30)—Letter of Intent 5/14/2016; Full Application 6/14/2016
- Burroughs Wellcome Fund Investigators in the Pathogenesis of Infectious Disease—Pre-Proposal 7/15/2016; Full Proposal 10/1/2016


Caselle, J.E., Marine Science Institute, $525,000, Marisla Foundation, “Coral Reef Resilience in a rare, undisturbed ecosystem: UCSB and Palmyra Atoll.”

D’Antonio, C.M. (Environmental Studies Program), Marine Science Institute, $57,500, USDA Forest Service, “Evaluating the status and trends of southern California Forest Service lands through long-term monitoring.”

Davis, F.W. (Geography), National Center for Ecological Analysis and Synthesis, $400,000, Nature Conservancy, “SNAPP Administrative Support.”

Denbaars, S.P., Materials, $21,532, Arizona State University/Tempe, “High Efficiency InGan Solar Cells.”


Giesbrecht, B.L., Miller, M.B., Psychological & Brain Sciences, $249,378, UC Davis, “Summer institute in cognitive neuroscience.”


Low, D.A., Molecular, Cellular & Developmental Biology, $100,000, Bill & Melinda Gates Foundation, “Strategy for development of enteric pathogen-specific phage.”

Mazin, B., Physics, $88,995, Subaru Telescope, “Deliverables for the Design and Manufacture of MEC, the MKID Exoplanet Camera for SCExAO on the Subaru Telescope.”


Miller, R.J. (Earth Research Institute), Marine Science Institute, $36,669, Southern California Coastal Water Research Project, “Develop techniques to batch-identify ichthyoplankton larvae.”
Nicholson, C.C., Marine Science Institute, $38,000, University of Southern California, “Continuing to Evaluate & Update Active 3D Fault Geometry in Special Fault Study Areas and to improve the SCEC Community Fault Model.”

Oh, S., Physics, $88,642, Association of Universities for Research Astronomy, “Turbulent Mixing and Thermal Instability in the Circumgalactic Medium.”

Passow, U., Marine Science Institute, $308,417, University of Georgia, “Oil-Marine Snow-Mineral Aggregate Interactions and Sedimentation during the BP Oil Spill.”


Read de Alaniz, J., Chemistry & Biochemistry, $420,000, National Science Foundation, “Copper-Catalyzed Radical Reactions of Nitroso Compounds for the Synthesis of C-N Bonds.”


Roberts, D.A., Geography, $70,000, Jet Propulsion Laboratory, “Plant Species Mapping, water and LMA using HYTES.”

Schildhauer, M., National Center for Ecological Analysis and Synthesis, $72,501, National Science Foundation, “Workshop: MacroMycoFunc - Forming an integrated understanding of function across fungi.”


Smith, W.C. (Molecular, Cellular & Developmental Biology), Neuroscience Research Institute, $600,000, NIH Office of the Director, “A Zeiss Lightsheet Microscope for Rapid Multi-Dimensional Imaging.”


Sturman, P.C. (History of Art & Architecture), Interdisciplinary Humanities Center, $10,000, American Cncl Of Learned Societies, “Texts on Calligraphy by Zhang Huaiguan.”

Thebaud, S.E. (Sociology), Institute for Social, Behavioral, & Economic Research, $35,000, Ewing Marion Kauffman Fdn, “Gender Inequality in Entrepreneurship.”

Valentine, D.L. (Earth Science), Paul, B.G. (Earth Science), Marine
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 Defense (DOD)

**Ongoing**

**Research Interests of the Air Force of Scientific Research**

**Air Force Research Laboratory**


**Contact:** Varies with research interest

**Solicitation number:** BAA-AFRL-AFOSR-2015-0001

AFOSR plans, coordinates, and executes the Air Force Research Laboratory’s (AFRL) basic research program in response to technical guidance from AFRL and requirements of the Air Force. Additionally, the office fosters, supports, and conducts research within Air Force, university, and industry laboratories; and ensures transition of research results to support U.S. Air Force needs.

The focus of AFOSR is on research areas that offer significant and comprehensive benefits to our national warfighting and peacekeeping capabilities. These areas are organized and managed in two scientific Departments: Engineering and Information Science (RTA) and Physical and Biological Sciences (RTB). Awards average $200-400K per year and may be proposed for up to five years. Proposals may be submitted at any time, though it is recommended to contact the appropriate program manager prior to submission. 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.

**AFRL Research Collaboration Program**

**Department of Defense (DoD)**


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

**Solicitation number:** BAA-RQKM-2013-0005

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

Behavioral and Social Sciences Broad Agency Announcement for Basic, Applied, and Advanced Scientific Research

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.

AFRL RD/RV University Cooperative Agreement

This is a 5 year, open BAA. The AFRL Directed Energy Directorate (RD) and Space Vehicles Directorate (RV) are interested in receiving proposals under this announcement in order to establish university Cooperative Agreements (CA) to provide funds to students/professors in a timely manner for the purpose of engaging U.S./U.S. territories’ colleges and universities in directed energy and space vehicles-related basic, applied, and advanced research projects that are of interest to the Department of Defense (DoD). The scope of the research will include the entire spectrum of RD and RV technology that is applicable to the Air Force, including all peripherally-related RD and RV research.
This FOA is soliciting innovative research proposals to build a new capability (methods, models, tools, and a community of researchers) to perform rigorous, reproducible experimental research at scales necessary to understand emergent properties of human social systems. DARPA anticipates that the NGS2 program may require a fundamental reimagining of the social science research cycle and encourages participation from a wide and diverse combination of disciplines and skill sets – to include social sciences, but also physics, computer science, biology, game design, mathematics, and others. Specifically excluded is research that primarily results in incremental improvements to the existing state of practice. Performers in the NGS2 program will work to determine fundamental measures and causal mechanisms that explain and predict the emergence of “collective identities.” A focus on “what matters most” for emergent social phenomena like collective identity presents an important and complex challenge to focus and validate new NGS2 research communities, tools, and methods. Note that while the NGS2 program will focus on collective identity formation as an exemplar research question, DARPA anticipates that successful NGS2 capabilities will have benefits for tackling other complex problems and topics, including (but not limited to): resilience in social networks and structures, changes in cultural norms or beliefs, emergence of cooperation/competitions, social influences on preferences and cognition, etc.
Multidisciplinary Research Program of the University Research Initiative

Department of Defense (DoD)


Contact: Varies by agency

Solicitation number: N00014-16-R-FO05

The MURI program supports basic research in science and engineering at U.S. institutions of higher education that is of potential interest to DoD. The program is focused on multidisciplinary research efforts where more than one traditional discipline interacts to provide rapid advances in scientific areas of interest. MURI awards are $1M to $2.5M per year with a maximum potential project period of five years. Typical annual funding is in the $1.25M to $1.5M range, while funding for collaborative US/UK topics should be discussed with the topic chief.

White papers and full proposals addressing the following topics 1 through 8 should be submitted to the Army Research Office (ARO):

1. Emulating the Principles of Impulsive Biological Force Generation
2. Exploiting nitrogen vacancy diamonds for manipulation of biological transduction
3. Noncommutativity in Interdependent Multimodal Data Analysis
4. Multi-scale Response for Adaptive Chemical and Material Systems
5. New Regimes in Quantum Optics
6. Fractional Order Methods for Sharp Interface Flows
7. 2-Dimensional Organic Polymers
8. Network Science of Teams

White papers and full proposals addressing the following topics 9 through 13 should be submitted to the Air Force Office of Scientific Research (AFOSR):

10. Large Scale Nano-Architecture Formation
11. Membrane-Based Electronics: Foldable & Adaptable Integrated Circuits
12. Semantics and Structures for Higher-level Quantum Programming Languages
13. Strong Field Laser Matter Interactions at Mid-Infrared Wavelength

White papers and full proposals addressing the following topics 14 through 19 should be submitted to the Office of Naval Research (ONR):

14. Visual Commonsense for Scene Understanding
16. Role of the Host Microbiome on Behavior/Resilience in Response to Stressors
17. Metalloid Cluster Networks
18. Computational and Experimental Methods towards Understanding the Chemistry and Physics of Materials over 2000°C
19. Quantum Optomechanics

Department of Education

Pathways to the Education Sciences Research Training Program FY17 - Limited Submission

Department of Education, Institute of Education Sciences

http://ies.ed.gov/funding/ncer_rfas/training_pathways.asp

Contact: Katina Stapleton, 202-245-6566, Katina.Stapleton@ed.gov

Solicitation number:

The Pathways to the Education Sciences Research Training Program (Pathways Training Program) funds training programs at minority-serving institutions (MSIs) and institutions of higher education that partner with MSIs. These programs are open to all students and are designed to provide upper-level undergraduate students, recent graduates, and/or master’s students with education research experience and professional development in order to prepare these students to pursue doctoral study in the education sciences or in fields relevant to education research. The program places special emphasis on recruiting students from underrepresented groups, including racial/ethnic minorities, first-generation college students, economically disadvantaged students, veterans, and students with disabilities. The maximum award is approximately $1.2M over five years.
Bioenergy Research Center

This Funding Opportunity Announcement (FOA) requests applications from the scientific community for Bioenergy Research Centers (BRCs) that develop novel biological solutions for the production of specialty biofuels and other bioproducts from plants with the potential to enable a more bio-based economy. For the purposes of this FOA, specialty biofuels are those non-food crop-derived fuels other than ethanol, and bioproducts are those that will replace petroleum derived non-pharmaceutical products.

This FOA describes the establishment of multidisciplinary research and technology centers that will conduct comprehensive, integrated research in bioenergy and bioproducts. BRCs must have significant research efforts addressing at least two of the four science focus areas: 1) sustainability, 2) feedstock development, 3) deconstruction & separation, and 4) conversion. Proposals may be multi-institutional, but should focus on the development of a single integrated research center. Ideally, each BRC annual budget is expected to range between $15 million and $25 million in DOE funding, but first year budgets may be adjusted to accommodate start-up actualities.

Department of the Interior (DOI)

Ongoing

National Fish Habitat Action Plan

This program provides technical and financial assistance to other federal agencies, states, local governments, Native American tribes, nongovernmental organizations, citizen groups, and landowners for the conservation and management of fish and wildlife resources. This includes minimizing the establishment, spread, and impact of aquatic invasive species. Specifically, aquatic habitat conservation projects under this program must protect, restore, and enhance fish and aquatic habitats, as outlined in the National Fish Habitat Action Plan (Action Plan). Funded projects may be carried out by Fish Habitat Partnerships (FHPs) recognized by the National Fish Habitat Board (Board) or the partners of Board recognized FHPs. Individual awards will range from approximately $1K to $300K. Applications are accepted on a rolling basis.
Recovery Implementation Fund FY2016

Department of the Interior


Contact:

Solicitation number: F16AS00099

The U.S. Fish and Wildlife Service (FWS) Ecological Services Program provides Federal financial assistance on a competitive basis to states, other Federal agencies, landowners, educators, non-profit organizations, researchers and other potential partners to secure information about endangered, threatened or candidate species, to aid in the recovery of these species, to avert listing of species pursuant to the Endangered Species Act, and to help conserve the ecosystems upon which these species depend.

Both the FWS and National Marine Fisheries Service (NMFS), which is part of the Department of Commerce’s NOAA Fisheries office, are responsible for implementing the Endangered Species Act. The FWS is primarily responsible for managing terrestrial and freshwater species, while the NMFS is primarily responsible for managing oceanic species, including most marine mammals. We also share responsibilities for several species such as sea turtles. For example, we have responsibility for sea turtles when they are on land, and NMFS has responsibility for sea turtles when they are in the water.

The overall goal of this Recovery Implementation funding opportunity is based on cooperative relationships with states, non-profit organizations, private landowners and those interested in habitat restoration or undertaking endangered and threatened species research, surveys and monitoring, or educational outreach efforts. Work may be done via cooperative agreement, grant agreement, project grants, or direct payment for specified use.

This opportunity provides funds to accomplish high priority recovery tasks for high priority, FWS-managed, endangered and threatened species in the United States (based on our Species Recovery Priority System and Recovery Task Priority System), such that known threats to the species may be reduced or eliminated. Projects for NMFS-managed species are not included in this funding opportunity.

Institute of Peace

Ongoing

Priority Grant Competition

Institute of Peace

http://www.usip.org/grants-fellowships/priority-grant-competition

Contact: Varies with research interest

Solicitation number:

This competition supports nonprofit organizations working in or on Afghanistan, Colombia, Iran, Iraq, Nigeria, Pakistan, and Sudan. The competition supports innovative peacebuilding projects involving research, the identification of promising models and effective practices, the development of practitioner resources and tools, the development and delivery of education, training and dialogue programs, and the production of films, radio programs and other media. Institute gives priority to high-quality projects that are likely to generate findings that are accessible to policymakers and practitioners and that demonstrate promise of having a substantial impact.

National Aeronautics and Space Administration (NASA)

5/16/2016 Notice of Intent
7/8/2016 Proposal

ROSES 2016: Astrophysics Theory

National Aeronautics and Space Administration

https://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={4A4FC1C6-2814-DDAC-BCC7-6820445139FA

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

Solicitation number: NNH16ZDA001N-ATP

This program supports efforts to develop the basic theory for NASA’s space astrophysics programs. Proposals submitted for this program must both: (a) Be directly relevant to space astrophysics goals by facilitating the interpretation of data from space astrophysics missions or by leading to predictions that can be tested with space astrophysics observations; and (b) Consist predominantly of theoretical astrophysics studies or the development of theoretical astrophysics models. ATP proposals satisfying both of the above requirements may involve development of data analysis methods for astrophysics missions and may incidentally include actual data analysis as a test of the theory or the method. The maximum duration of awards is 4 years.
ROSES 2016: Data for Operation and Assessment

National Aeronautics and Space Administration


Contact: Mitch Schulte, 202/358-2127, mitchell.d.schulte@nasa.gov

Solicitation number: NNH16ZDA001N-NDOA

This FOA solicits proposals for both flight investigations, using suborbital-class platforms (including aircraft, balloons, sounding rockets, CubeSats, commercial suborbital reusable launch vehicles, and small International Space Station (ISS) payloads), and all kinds of ground-based supporting research and technology (SR&T) investigations that seek to understand naturally occurring space and Earth phenomena, human-induced changes in the Earth system, and Earth and space science-related technologies and to support the national goals for further robotic and human exploration of space. These ground-based investigations include, but are not limited to: theory, modeling, and analysis of SMD science data, development of concepts, techniques and advanced technologies suitable for future SMD space missions; development of methods for laboratory analysis of both extraterrestrial samples returned by spacecraft and terrestrial samples that support or otherwise help verify observations from missions; determination of atomic and composition parameters needed to analyze space data, as well as returned samples from the Earth or space; Earth surface observations and field campaigns that support SMD science missions; development of integrated Earth system models; development of systems for applying Earth science research data to societal needs; and development of applied information systems applicable to SMD objectives and data. The maximum duration of awards is 4 years.

5/20/2016 Proposal

6/30/2016 Notice of Intent

ROSES 2016: Physical Oceanography

National Aeronautics and Space Administration


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

Solicitation number: NNH16ZDA001N-PO

This program supports basic research and analysis activities that enable development of NASA’s current and future physical oceanography satellite missions and the scientific interpretation of data from them. The primary centers of support for the Physical Oceanography program are the NASA Jet Propulsion Laboratory Earth Science Directorate and the external (non-NASA) scientific community. Two research themes are identified in the Physical Oceanography program and represent priority areas for proposals solicited through this announcement: (1) Analysis and interpretation of the ocean circulation using satellite and in situ data. NASA will support modest proposals undertaking analysis of satellite altimetry, surface wind stress, and other relevant data in support of the U.S. CLIVAR Program; (2) Development of new remote sensing techniques for physical oceanography. NASA has successfully developed remote sensing techniques for ocean surface winds, sea level, sea A.8-2 surface temperature, and sea surface salinity. Each of these variables has a science team and dedicated research activity. NASA will support modest proposals that explore new concepts for remote sensing of interest to physical oceanography. This opportunity is NOT for technology or instrument development but for concept articulation and exploration. The maximum duration of awards is 3 years.
ROSES 2016: Heliophysics Data Environment Enhancements

National Aeronautics and Space Administration


Contact: Jeffrey Hayes, 202/358-0353, jhayes@nasa.gov

Solicitation number: NNH16ZDA001N-HDEE

The goal of the H-DEE program is to enable breakthrough research in Heliophysics by providing both a state of the art data environment necessary to maximize the scientific return of the NASA missions. The basic building blocks of the NASA Heliophysics Data Environment are well-documented, carefully calibrated, and easily used data products, typically the result of the reduction of numbers from spacecraft telemetry to the physical quantities that enter the equations we use to model space plasmas. Many such datasets were produced before the era of standard formats and inexpensive storage devices, and others have been served by recent missions in a variety of ways from specialized web sites. One aspect of this call solicits proposals to upgrade older datasets that are of continuing value (Data Upgrades) and to support the continued serving of data from recent missions in the context of groups that understand the data and can help with its use (Resident Archives). As NASA mission data become better documented and formatted in standard ways, the need for Resident Archives continues to decrease, although in cases where data use is still demonstrably high and the products are complex, there may still be utility in supporting these intermediate archives for some time before the data transition to a Final Archive.

ROSES 2016: Exobiology

National Aeronautics and Space Administration


Contact: Michael New, 202/358-1766, michael.h.new@nasa.gov

Solicitation number: NNH16ZDA001N-EXO

The goal of this program is to understand the origin, evolution, distribution, and future of life in the Universe. Research is centered on the origin and early evolution of life, the potential of life to adapt to different environments, and the implications for life elsewhere. This research is conducted in the context of NASA’s ongoing exploration of our stellar neighborhood and the identification of biosignatures for in situ and remote sensing applications. The areas of research emphases in this solicitation are as follows: Prebiotic Evolution, Early Evolution of Life and the Biosphere, Evolution of Advanced Life, Large scale environmental change and Macro-evolution, and Biosignatures and Life Elsewhere. The maximum duration of awards is 4 years.

ROSES 2016: Earth Science Applications: Ecological Forecasting

National Aeronautics and Space Administration


Contact: Woody Turner, 202/358-1662, wood.turner@nasa.gov

Solicitation number: NNH16ZDA001N-ECO4CAST

This program solicits proposals that develop and demonstrate innovative and practical applications of Earth observations, models, visualizations, and other Earth science products in decision-support activities related to ecological forecasting for conservation and natural resource management. This Program funds applied science research and applications projects to enable near-term uses of Earth observations, formulate new applications, integrate Earth observations and related products within practitioners’ decision-making, and transition the applications to sustained use by partner organizations. Projects are carried out in partnership with public and private organizations. The goal is for these partner organizations to achieve sustained use of and benefits from the Earth observations.
ROSES 2016: Exoplanets Research Program

National Aeronautics and Space Administration


Contact: Martin Still, 202/358-4462, martin.still@nasa.gov

Solicitation number: NNH16ZDA001N-XRP

This program solicits basic research proposals to conduct scientific investigations related to the research and analysis of extrasolar planets (exoplanets). Its broad objectives include the determination of compositions, dynamics, energetics, chemical behaviors of extrasolar planets, and the detection and characterization of other planetary systems. Research supported by this call may include observations, laboratory studies, theoretical studies, and modeling. Investigations that incorporate theory, modeling, laboratory studies, correlative analyses, and/or other research that would greatly increase the use of, or significantly facilitate the interpretation of, observational studies of exoplanetary systems are eligible for the Exoplanets Research Program. Such proposals that don’t directly contain observational studies will be judged upon the perceived impact of the proposed work upon the interpretation of observations of exoplanetary systems. The maximum duration of awards is 3-4 years.

ROSES 2016: Ocean Surface Topography Science Team

National Aeronautics and Space Administration

https://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solid={E6271BF2-4C21-B143-63B9-9760002CF3F0}

Contact: Laury Miller, 301/683-3331, laury.miller@noaa.gov

Solicitation number: NNH16ZDA001N-OSTST

The goals of this program are to provide the scientific underpinning for production of the best possible satellite-derived altimetry data sets and to demonstrate the Earth science and applications arising from analyses of ocean surface topography data. The team is also involved in the calibration and validation for Jason-3, a cooperative mission between NASA, CNES, NOAA, and the European Organisation for the Exploitation of Meteorological Satellites (EUMETSAT). Preparations are also underway to support the follow-on for Jason-3—the Jason-CS missions, where the European Space Agency (ESA) will join as a partner and the Jason-series will become part of the Sentinel-series of environmental monitoring satellites. Jason-CS will also be known as Sentinel-6. The maximum duration of awards is 3 years.

ROSES 2016: Emerging Worlds

National Aeronautics and Space Administration


Contact: Jeff Grossman, 202/358-1218, HQ-EMERGINGWORLDS@mail.nasa.gov

Solicitation number: NNH16ZDA001N

Research in the area of "Emerging Worlds" aims to answer the fundamental science question of how the Solar System formed and evolved, which may be addressed through studies of our Solar System, as well as planetary systems in general. It helps to advance the strategic science goal to "explore and observe the objects in the Solar System to understand how they formed and evolve" through basic research that supports planetary exploration, aids in the development of missions, and provides context for the interpretation of all Solar System observations that are relevant to its formation and evolution. Major interdisciplinary efforts to solve key questions are particularly valued. A wide range of investigations will be covered, including, but not limited to, theoretical studies, analytical and numerical modeling, sample-based studies of extraterrestrial materials, laboratory studies, and synthesis of previous work. The maximum duration of awards is 4 years.
ROSES 2016: Utilization of Airborne Visible/Infrared Imaging Spectrometer - Next Generation Data from an Airbor

National Aeronautics and Space Administration


Contact:  Woody Turner, 202/358-1662, woody.turner@nasa.gov

Solicitation number:  NNH16ZDA001N-AVRSN

This solicitation seeks proposals for data analysis and modeling of AVIRIS-NG airborne data from this campaign that are relevant to programs in the six NASA Earth Science Research and Analysis (R&A) Focus Areas: Carbon Cycle and Ecosystems, Earth Surface and Interior, Water and Energy Cycle, Climate Variability and Change, Weather, and Atmospheric Composition (http://science.nasa.gov/earth-science/focus-areas/). Proposals relevant to applications research in support of the NASA Applied Sciences Program (http://appliedsciences.nasa.gov) are also welcome. Only proposals making primary use of data products from the AVIRIS-NG Indian campaign will be responsive to this solicitation. In addition to the AVIRIS-NG data products, use of data from surface-based networks associated with the airborne campaign sites is welcome. Utilization of relevant data from other sources, including data from NASA satellites or those of NASA’s interagency and international partners, is encouraged. Proposals may not include costs for acquisition of any additional or complementary airborne data. The maximum duration of awards is 18 months.

6/10/2016  Step-2 Proposal

ROSES 2016: Solar System Observations

National Aeronautics and Space Administration

https://nspires.nasaprs.com/external/solicitations/summary.do?method=init&soidl={73514C0E-F44B-EAE4-E10E-B0A42E43FA4E}

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

Solicitation number:  NNH16ZDA001N-SSO

Solar System Observations supports primarily ground-based and limited airborne- and space-based astronomical observations of bodies in our Solar System. Proposals are solicited for observations over the entire range of wavelengths, from the ultraviolet to radio, that contribute to the understanding of the nature and evolution of the Solar System and its individual constituents. Additionally, Solar System Observations supports NASA’s commitment to discover and inventory potentially hazardous near Earth objects with sizes down to at least ~100 meters and to characterize that population through determination of their orbital elements. This Program Element will also consider proposals that characterize a representative sample of these objects by measuring their sizes, shapes, and compositions. Suborbital investigations involving balloons, sounding rockets, or aircraft are not being solicited until further notice. Solar System Observations contains two primary components: Planetary Astronomy and Near Earth Object Observations. The maximum duration of awards is 5 years.

6/10/2016  Step-1 Proposal

7/22/2016  Step-2 Proposal

ROSES 2016: Heliophysics Technology and Instrument Development for Science

National Aeronautics and Space Administration


Contact:  Dan Moses, 202/358-0558, dan.moses@nasa.gov

Solicitation number:  NNH16ZDA001N-HTIDS

This program seeks to investigate key Heliophysics science questions through three separate subelements. These subelements are also established for the purpose of organizing the evaluation and peer review process: (1) Low-Cost Access to Space (LCAS): science and/or technology investigations that can be carried out with instruments flown on suborbital sounding rockets, stratospheric balloons, CubeSats, suborbital reusable launch vehicles, or other platforms, collectively referred to as Low-Cost Access to Space; (2) Instrument and Technology Development (ITD): state-of-the-art instrument technology development for instruments that may be proposed as candidate experiments for future space flight opportunities, called Instrument and Technology Development, which may be carried out in the laboratory and/or observatory; and (3) Laboratory Nuclear, Atomic, and Plasma Physics (LNAPP): laboratory research designated as enabling Laboratory Nuclear, Atomic, and Plasma Physics studies.
ROSES 2016: Earth Surface and Interior
National Aeronautics and Space Administration
Contact: Benjamin Phillips, 202/358-5693, ben.phillips@nasa.gov
Solicitation number: NNH16ZDA001N-ESI
This program supports research and analysis of solid-Earth processes and properties from crust to core. The overarching goal of ESI is to use NASA’s unique capabilities and observational resources to better understand core, mantle, and lithospheric structure and dynamics, and interactions between these processes and Earth’s fluid envelopes. ESI studies provide the basic understanding and data products needed to inform the assessment, mitigation, and forecasting of natural hazards, including earthquakes, tsunamis, landslides, and volcanic eruptions. These investigations also exploit the time-variable signals associated with other natural and anthropogenic perturbations to the Earth system, including those connected to the production and management of natural resources. ESI’s Space Geodesy Program (SGP) produces observations that refine our knowledge of the Earth’s shape, rotation, orientation, and gravity, advancing our understanding of the motion and rotation of tectonic plates, elastic properties of the crust and mantle, mantle-core interactions, solid Earth tides, and the effects of surface loading resulting from surface water, ground water, glaciers, and ice sheets. SGP infrastructure enables the establishment and maintenance of a precise terrestrial reference frame that is foundational to many Earth missions and location-based observations. The maximum duration of awards is 3 years.

ROSES 2016: Carbon Cycle Science
National Aeronautics and Space Administration
https://nspires.nasaprs.com/external/solicitations/summary.do?method=init&sollId={BDFEB327-957C-2DA8-CFB4-AABEA9A38D5}
Contact: Paula Bontempi, 202/358-1508, paula.s.bontempi@nasa.gov
Solicitation number: NNH16ZDA001N-CARBON
The goals of the NASA Earth Science Program for carbon cycle science are to improve understanding of the global carbon cycle and to quantify changes in atmospheric CO2 and CH4 concentrations, as well as terrestrial and aquatic carbon storage in response to fossil fuel combustion, land use and land cover change, and other human activities and natural events. NASA carbon cycle research encompasses multiple temporal and spatial scales and addresses atmospheric, terrestrial, and aquatic carbon reservoirs, their coupling within the global carbon cycle, and interactions with climate and other aspects of the Earth system. A focus on observations from space pervades carbon cycle research by NASA and is a basis for partnerships with other U.S. Government agencies and institutions. NASA carbon cycle research contributes toward the goals of major USGCRP activities, including the Carbon Cycle Science Program’s U.S. North American Carbon Program (NACP) (http://www.globalchange.gov/, http://www.carboncyclescience.us/, http://www.nacarbon.org/nacp/, and http://www.us-ocb.org/about/projects.html), as well as the goals and objectives of the Ocean Carbon and Biogeochemistry program supported by the National Science Foundation and NASA (http://www.us-ocb.org). NASA carbon cycle research also contributes toward the goals of the National Ocean Council’s National Ocean Policy planning documents (http://www.whitehouse.gov/administration/eop/oceans/policy). The maximum duration of awards is 3 years.
ROSES 2016: Modeling, Analysis, and Prediction
National Aeronautics and Space Administration
Contact: David Considine, 202/358-2277, david.b.considine@nasa.gov
Solicitation number: NNH16ZDA001N-MAP

MAP funds two primary projects and/or functional organizations that comprise the core activities of the program. These efforts are: (1) NASA Goddard Institute for Space Studies (GISS) which engages in research on global Earth system change occurring on the decadal to centennial timescales. GISS makes use of analyses of comprehensive global datasets and develops and utilizes integrated global models of the Earth system. The research includes the study of paleoclimate and the study of other planets as an aid to prediction of future evolution of Earth on a planetary scale. (2) NASA Goddard Global Modeling and Assimilation Office (GMAO) which addresses the optimal use of satellite and in situ observations to generate research quality data sets for analyses and reanalyses, and also for weather, climate, and air quality forecasts. The modeling and assimilation research includes coupling to and assimilation of atmospheric aerosols and chemistry and ocean biology and carbon. GMAO focuses on developing and maintaining world-class data assimilation systems in order to maximize satellite data utility and serve as a centralized resource for testing and validating as wide a range of modeling and observational efforts as possible. The goal is to undertake modeling and assimilation as components of an end-to-end process, from defining an instrument, characterizing its in-flight performance, through to the development of algorithms and forward models for data assimilation, integrating the data into assimilation products, and finally assessing the impact of the data on the products of the assimilation system. The maximum duration of awards is 4 years.

ROSES 2016: Cassini Data Analysis Program
National Aeronautics and Space Administration
Contact: Jared Leisner, 202/358-2016, HQ-CDAP@mail.nasa.gov
Solicitation number: NNH16ZDA001N-CDAP

The objective of this program is to enhance the scientific return of the Cassini mission by broadening the scientific participation in the analysis and interpretation of data returned by this mission. Other mission and nonmission data sets may be used to supplement these data in a supporting role, but all proposals must require the use of data from the Cassini mission. This Program solicits research proposals to conduct scientific investigations utilizing or enhancing the utilization of data obtained by the Cassini mission. For the purposes of this solicitation, "data" is understood to include both uncalibrated and calibrated data, as well as higher-order data products produced from the mission data. Science investigations may include the use of data from any spacecraft not supported by a separate Planetary Science Division Data Analysis Program and may contain outer solar system comparative planetology studies that require the use of Cassini data for at least one of the bodies of focus. The maximum duration of awards is 3 years.

ROSES 2016: Maturation of Instruments for Solar System Exploration
National Aeronautics and Space Administration
Contact: William Cook, 202/358-0976, william.b.cook@nasa.gov
Solicitation number: NNH16ZDA001N-MATISSE

The program supports the advanced development of spacecraft-based instruments that show promise for use in future planetary missions. The goal of the program is to develop and demonstrate planetary and astrobiology science instruments to the point where they may be proposed in response to future announcements of flight opportunity without additional extensive technology development (approxiately technology readiness level [TRL] 6). The proposed instrument must address specific scientific objectives of likely future planetary science missions. The MatISSE Program seeks proposals for development activities leading to instrument systems in support of the Science Mission Directorate’s (SMD) Planetary Science Division. The objectives of the program are to develop new technologies that significantly improve instrument measurement capabilities for planetary science missions (such as Discovery, New Frontiers, Mars Exploration, and other planetary programs). The maximum duration of awards is 4 years.
ROSES 2016: Laboratory Analysis of Returned Samples
National Aeronautics and Space Administration
https://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={5E6B5B6C-BF9E-DDA9-B8EB-C037E821B698}
Contact: Jeffrey Grossman, 202/358-1218, HQ-LARS@mail.nasa.gov
Solicitation number: NN16ZDA001N-LARS
The goal of the program is to maximize the science derived from planetary sample-return missions. Activities supported by LARS fall into two categories: (1) development of laboratory instrumentation and/or advanced techniques required for the analysis of returned samples; (2) direct analysis of samples already returned to Earth. The maximum duration of awards is 4 years.

ROSES 2016: Planetary Protection Research
National Aeronautics and Space Administration
Contact: Catherine Conley, 202/358-3912, HQ-PPR@mail.nasa.gov
Solicitation number: NN16ZDA001N-PPR
Planetary protection involves preventing biological contamination on both outbound and sample return missions to other planetary bodies. Numerous areas of research in astrobiology/exobiology are improving our understanding of the potential for survival of Earth microbes in extraterrestrial environments, relevant to preventing contamination of other bodies by organisms carried on spacecraft. Research is required to improve NASA's understanding of the potential for both forward and backward contamination, how to minimize it, and to set standards in these areas for spacecraft preparation and operating procedures. Improvements in technologies and methods for evaluating the potential for life in returned samples are also of interest. Many of these research areas derive directly from recent National Research Council (NRC) recommendations on planetary protection for solar system exploration missions (see http://planetaryprotection.nasa.gov/documents/ for online reports and a list of publications). The maximum duration of awards is 4 years.

ROSES 2016: Atmospheric Composition: Upper Atmospheric Composition Observations
National Aeronautics and Space Administration
https://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={B554F971-2BDF-A8A0-A909-8CF7C07DB175}
Contact: Kenneth Jucks, 202/358-0476, Kenneth.W.Jucks@nasa.gov
Solicitation number: NN16ZDA001N-UACO
The principal area of research solicited through this section is for operational support of atmospheric field measurement systems that monitor trace gas composition in the stratosphere 2 and tropical upper troposphere from the ground, aircraft, and balloons. These types of measurements include those associated with (i) the long term monitoring of ozone and ozone-and climate-related trace gases via remote sensing techniques, and (ii) support of key observational field missions designed to address chemical and dynamical processes that influence upper tropospheric and stratospheric composition. In this solicitation section, NASA is not seeking proposals for instrumentation designed to make atmospheric boundary layer measurements or measurements of cloud/aerosol radiative or microphysical properties. The maximum duration of awards is 4 years.
ROSES 2016: Terrestrial Hydrology

National Aeronautics and Space Administration


Contact: Jared Entin, 202/358-0275, jared.k.entin@nasa.gov

Solicitation number: NNH16ZDA001N-THP

The program has the scientific objective to use remote sensing to develop a predictive understanding of the role of water in land-atmosphere interactions and to further the scientific basis of water resources management. THP uses NASA’s unique view from space to study hydrologic processes associated with runoff production, hydrologic fluxes at the land-air interface, and terrestrial water stores. THP works in concert with other Earth Science Division (ESD) programs, also studying the global water cycle (e.g., precipitation, physical oceanography), to describe and understand the connections between the cycle’s different parts. THP fosters the development of hydrologic remote sensing theory, the scientific basis for new hydrologic satellite missions, hydrologic remote sensing field experiments, and the interface of hydrology with other disciplines, such as those addressed by the Terrestrial Ecology program and Modeling Analysis and Prediction (see ROSES-2016 elements A.4 and A.13, respectively). Particular emphasis is placed on the application of satellite-based remotely sensed data for characterizing, understanding, and predicting the terrestrially linked components of the hydrologic cycle and the dynamics of large-scale river basins. THP is currently focused on research relating to multiple missions, either currently operating, such as Gravity Recovery and Climate Experiment (GRACE), Global Precipitation Measurement (GPM) and Soil Moisture Active Passive (SMAP); or in planning and development, such as the Gravity Recovery and Climate Experiment Follow-On (GRACE-FO) and the Surface Water Ocean Topography (SWOT). THP projects are also extensively using data collected at previous or current field campaigns and projects, such as SMAPVEX (http://smap.jpl.nasa.gov), AirMOSS (http://airmoss.jpl.nasa.gov), or numerous others, both national and international. THP furthers study of the relationship between satellite interferometric measurements of surface deformation and changes in underground water stores. The maximum duration of awards is 5 years.

ROSES 2016: Planetary Data Archiving, Restoration, and Tools

National Aeronautics and Space Administration


Contact: Sarah Noble, 202/358-2492, sarah.nobel-1@nasa.gov

Solicitation number: NNH16ZDA001N-PDART

This program solicits proposals to generate higher-order data products, archive and restore data sets or products, create or consolidate reference databases, generate new reference information, digitize data, and develop or validate software tools. The objective of this Program Element is to increase the amount and quality of digital information and data products available for planetary science research and exploration, and to produce tools that would enable or enhance future scientific investigations. Although it is expected that a small amount of data analysis, interpretation, or modeling may be performed to validate any generated products, this Program Element does not accept proposals in which the main focus is hypothesis-based science. The maximum duration of awards is 3 years.

ROSES 2016: Planetary Science and Technology Through Analog Research

National Aeronautics and Space Administration

https://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solfld={B0EE1F61-F9A7-AB2B-1695-ACD354C484E0}

Contact: Sarah Noble, 202/358-2492, sarah.nobel-1@nasa.gov

Solicitation number: NNH16ZDA001N-PSTAR

PSTAR seeks science investigations designed to further planetary research in terrestrial extreme environments that may be analogous to those found on other planets, past or present. Of particular interest are investigations that increase our understanding of the limits of and constraints (or lack thereof) on life in extreme environments and lead to a better understanding of how to seek, identify, and characterize life and life-related chemistry that may exist or have existed on other solar system bodies. PSTAR seeks systems-level terrestrial field campaigns that are conducted with complete systems and in a manner that approximates operations during an actual planetary mission, providing an opportunity to understand the performance, capabilities, and efficiencies associated with the tested systems, while enabling human participants to gain operational experience with those systems in the field. PSTAR seeks the development and application of technologies that support science investigations, particularly those that enable remote searches for, and identification of, life and life-related chemistry in extreme environments (including lunar and planetary surfaces). The maximum duration of awards is 4 years.
ROSES 2016: Airborne Instrument Technology Transition

National Aeronautics and Space Administration


Contact: Barry Lefer, 202/358-3857, barry.lefer@nasa.gov

Solicitation number: NNH16ZDA001N-AITT

This announcement seeks to upgrade mature instruments developed under NASA’s Instrument Incubator Program (IIP Program element A.42), or by similar NASA or externally-supported (e.g., corporate, other Federal agency, internal institution funding) programs or activities. This opportunity provides for engineering activities leading to the integration of instruments to airborne platforms that will deploy them as part of organized airborne science campaigns which typically involve multiple instruments and/or platforms. The goal is to upgrade existing operating instruments to campaign-ready airborne configuration(s). No funding is available for research and development of new instrumentation. Management of the tasks selected in response to these Airborne Instrument Technology Transition calls is carried out in conjunction with the Earth Science Technology Office (ESTO), which has significant experience in management of technology-oriented tasks through programs such as the Instrument Incubator Program. The maximum duration of awards is 30 months.

ROSES 2016: Heliophysics Supporting Research

National Aeronautics and Space Administration

https://nspires.nasaprs.com/external/solicitations/summary.do?method=init&soid={17AC90CA-FDAF-DDE4-AE6C-DF5AB66C057}

Contact: Arik Posner, 202/358-0727, arik.posner@nasa.gov

Solicitation number: NNH16ZDA001N-HSR

Heliophysics Supporting Research (SR) awards are research investigations of significant magnitude that employ a combination of scientific techniques. These must include an element of (a) theory, numerical simulation, or modeling, and an element of (b) data analysis and interpretation of NASA-spacecraft observations. Proposing teams must demonstrate the expertise necessary to cover the combination of techniques required. Awards are expected to be in the range of approximately $200K/year – $250K/year.

ROSES 2016: Interdisciplinary Science

National Aeronautics and Space Administration


Contact: Jake Kaye, 202/358-2559, Jack.A.Kaye@nasa.gov

Solicitation number: NNH16ZDA001N-IDS

Proposed research investigations will meet the following criteria: a) offer a fundamental advance to our understanding of the Earth system; b) be based on remote sensing data, especially satellite observations, but including suborbital sensors as appropriate; c) go beyond correlation of data sets and seek to understand the underlying causality of change through determination of the specific physical, chemical, and/or biological processes involved; d) be truly interdisciplinary in scope by involving traditionally disparate disciplines of the Earth sciences; and e) address at least one of the five specific themes listed this solicitation: (1) Understanding the Global Sources and Sinks of Methane; (2) Ecology at Land/Water Interfaces – Human and Environmental Interfaces; (3) Understanding the Linkages Among Fluvial and Solid Earth Hazards; (4) Life in a Moving Ocean; or (5) Partitioning of Carbon Between the Atmosphere and Biosphere. The results of these investigations will improve our capability for both prognostic predictions and retrospective simulations of the Earth system. They will also advance our understanding of the vulnerabilities in human and biogeophysical systems and their relationships to climate extremes, thresholds, and tipping points. Meeting these goals requires approaches that integrate the traditional disciplines of the Earth sciences, as well as innovative and complementary use of models and data. The maximum duration of awards is 3 years.
Art Works FY2017 - Limited Submission

National Endowment for the Arts

http://arts.gov/grants-organizations/art-works/grant-program-description

Contact:

Solicitation number:

Art Works projects support the creation of art that meets the highest standards of excellence, public engagement with diverse and excellent art, lifelong learning in the arts, and the strengthening of communities through the arts. NEA welcomes projects that: 1) are likely to prove transformative with the potential for meaningful change, whether in the development or enhancement of new or existing art forms, new approaches to the creation or presentation of art, or new ways of engaging the public with art; 2) Are distinctive, offering fresh insights and new value for their fields and/or the public through unconventional solutions; and 3) Have the potential to be shared and/or emulated, or are likely to lead to other advances in the field. An organization may request a grant amount from $10K to $100K. Applications will be accepted under two deadlines, depending on discipline.

National Endowment for the Humanities (NEH)

6/8/2016 Application

Digital Projects for the Public

National Endowment for the Humanities


Contact: 202/606-8269, publicpgms@neh.gov

Solicitation number:

Digital Projects for the Public grants support projects that are largely created for digital platforms. While these projects can take many forms, shapes, and sizes, you should apply to this program primarily to create digital projects or the digital components of a larger project. NEH is a national funding agency, so these projects should demonstrate the potential to attract a broad, general audience. Projects can have specific targeted audiences (including K-12 students), but they should also strive to cultivate a more inclusive audience. All Digital Projects for the Public projects should: 1) deepen public understanding of significant humanities stories and ideas; 2) incorporate sound humanities scholarship; 3) involve humanities scholars in all phases of development and production; 4) include appropriate digital media professionals; 5) reach a broad public through a realistic plan for development, marketing, and distribution; 6) create appealing digital formats that will engage the general public; and 7) utilize widely available hardware and operating platforms. Discovery awards (for up to $30K) are designed to fund the exploratory stages of a digital project. Activities must include consultation with scholars, refinement of the humanities themes, digital media development, and analysis of platforms. This is the stage at which the humanities ideas and digital technology should come together. Prototyping grants (for up to $100K) support the creation of a proof-of-concept prototype. Although cost sharing is not required, this program is rarely able to support the full costs of projects approved for funding.

6/23/2016 Application

Division of Education Programs

National Endowment for the Humanities

http://www.neh.gov/grants/education/humanities-initiatives-hispanic-serving-institutions

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

Solicitation number:

This initiative is intended to strengthen the teaching and study of the humanities in subjects such as history, philosophy, and literature. These grants may be used to enhance existing humanities programs, resources, or courses, or to develop new ones. Initiatives may create opportunities for faculty members to study together, in order to improve their capacity to teach the humanities; support new humanities programs (which may include but are not limited to new humanities minors, first-year seminars, and capstone courses), and enhance existing ones; support humanities contributions to professional training (in such fields as business, law, economics, technology, and nursing and medicine); develop bridge programs for at-risk and nontraditional students; help institutions take advantage of humanities resources, especially in the digital humanities; and support collaborative projects in the humanities between the applicant institution and another institution, such as a college or university, a school or school system, a museum or library, or a historical or cultural society. Each project must be organized around a core topic or set of themes.

National Institutes of Health (NIH)
Evidence for Action: Investigator-Initiated Research to Build a Culture of Health

National Institutes of Health


Contact: Erin Hagan, evidenceforaction@ucsf.edu

Solicitation number:

The program aims to provide individuals, organizations, communities, policymakers, and researchers with the empirical evidence needed to address the key determinants of health encompassed in the Culture of Health Action Framework. In addition, Evidence for Action will also support efforts to assess outcomes and set priorities for action. It will do this by encouraging and supporting creative, rigorous research on the impact of innovative programs, policies and partnerships on health and well-being, and on novel approaches to measuring health determinants and outcomes.

Pre-application: Stimulating Peripheral Activity to Relieve Conditions (SPARC): Comprehensive Functional Mappin

National Institutes of Health


Contact:

Solicitation number: RFA-RM-15-003

The purpose of this FOA is to invite pre-applications from applicants who have an interest in ultimately submitting an application to "Stimulating Peripheral Activity to Relieve Conditions (SPARC): Comprehensive Functional Mapping of Neuroanatomy and Neurobiology of Organs (OT2)" (RFA-RM-15-018). The OT1 SPARC OT pre-application is the required first step in the application process for the companion OT2 FOA (RFA-RM-15-018). Potential applicants should read both FOAs.

Applicants whose OT1 pre-applications are found to be meritorious and programmatically relevant will be invited to submit a full application to the OT2 "Stimulating Peripheral Activity to Relieve Conditions (SPARC): Comprehensive Functional Mapping of Neuroanatomy and Neurobiology of Organs" FOA (RFA-RM-15-018). There will be substantial interaction with NIH Program Staff leading to the development of programmatic and budget elements for an acceptable OT2 application. OT2 applications must include a copy of the Invitation to Submit from the SPARC program as a requirement for submission. The Invitation to Submit an OT2 application is not an indication of any award.

Implementing Population Pharmacokinetic Modeling Algorithm in Physiologically-base Pharmacokinetic Models to

National Institutes of Health


Contact: Xinyuan Zhang, 240/402-7971, xinyuan.zhang@fda.hhs.gov

Solicitation number:

The purpose of this project is to develop and implement a robust optimization algorithm that can be used to perform population-based statistical analysis in complex and computationally intensive PBPK models so that knowledge of parameter distributions in the population(s) of interest can be better informed. Ultimately, the developed models can be applied to generate improved predictions on the disposition of generic drug products to support generic drug development and regulatory reviews. Although novelty is highly encouraged, proposals could entertain approaches such as: 1) Implementing the non-linear mixed effects theory, a. Maximum log-likelihood algorithms (stiff, non-stiff Ordinary Differential Equation solving methods with linearization), and b. Exact maximum likelihood with Expectation-Maximization algorithms (no linearization); 2) Introducing a Bayesian population PBPK approach (Markov Chain Monte Carlo); and 3) Nonparametric methods. Proposals should include, but are not limited to, methods to evaluate the robustness of the proposed algorithm in terms of bias to initial estimates, precision, accuracy, convergence rate, and computation time, in full-body PBPK models of low, intermediate, and high complexity using simulated and real (rich and sparse) datasets. Application budgets should not exceed the following in total costs (direct and indirect): $250K for year 1 and $250K for year 2.
Developing a Food Protection Rapid Response Team (RRT) (U18)
National Institutes of Health
Contact: Brett Weed, 404/253-2268, brett.weed@fda.hhs.gov
Solicitation number:  RFA-FD-16-032
The goal of these cooperative agreements is to facilitate long-term improvements to the national integrated food safety system by unifying and coordinating federal/state/local food/feed emergency response efforts including: 1) Strengthening the link among epidemiology, lab and environmental health/regulatory components; 2) Improving States' regulatory and surveillance food/feed protection programs to include using Incident Command System (ICS)/National Incident Management System (NIMS) principles and a Unified Command structure to conduct integrated responses to all-hazards food/feed emergencies, rapidly identifying and removing tainted food from commerce, and conducting root cause investigations to inform future prevention efforts; and 3) Addressing supporting components, such as training, data sharing, data analysis, communications, continuous process improvement, and development of best practices and other resources to support national capacity/capability development. This will be accomplished through the provision of funding to support development of multi-jurisdictional, multi-disciplinary Rapid Response Teams (RRTs) and will require extensive cooperation and coordination with FDA District Offices and other FDA program offices. Application budgets should not exceed the following in total costs (direct and indirect): $300K for year 1 and $300K for year 2.

Maximizing Investigators' Research Award (R35)
National Institutes of Health
Contact: Peter Preusch, 301/594-0828, preuscht@mail.nih.gov
Solicitation number:  RFA-GM-17-002
The Maximizing Investigators' Research Award (MIRA) is a grant to provide support for all of the research in an investigator’s laboratory that falls within the mission of NIGMS. The goal of MIRA is to increase the efficiency and efficacy of NIGMS funding. It is anticipated that the new program will: 1) Increase the stability of funding for NIGMS-supported investigators, which could enhance their ability to take on ambitious scientific projects and approach problems more creatively, 2) increase flexibility for investigators to follow important new research directions as opportunities arise, rather than being bound to specific aims proposed in advance of the studies, 3) more widely distribute funding among the nation’s highly talented and promising investigators to increase overall scientific productivity and the chances for important breakthroughs, 4) reduce the time spent by researchers writing and reviewing grant applications, allowing them to spend more time conducting research, and 5) enable principal investigators to devote more time and energy to mentoring junior scientists in a more stable research environment. The purpose of this FOA is to test the feasibility of this grant mechanism through a pilot program with restricted eligibility. The maximum award is $750K per year for up to five years.

Investigation of Peptide-Polymer Interaction in Poly(lactide-co-glycolide) Microspheres (U01)
National Institutes of Health
Contact: Yan Wang, 240/402-7985, yan.wang3@fda.hhs.gov
Solicitation number:  RFA-FD-16-012
Although biodegradable poly(lactide-co-glycolide) (PLGA) polymers have been utilized extensively for the controlled release of peptide drugs, there is still a lack of in-depth understanding of peptide-polymer interaction in PLGA based microspheres. The purpose of the present study is to develop a systematic approach to assess the peptide-polymer interaction in PLGA based microsphere dosage forms. The developed approach should be able to identify the different types of peptide-polymer interactions, characterize and quantify related peptide degradation impurities (e.g., acylation peptide adducts), and determine the formulation parameters, hydration and degradation factors, and manufacturing processes responsible for facilitating peptide-polymer interaction. The results from this study will provide better understanding of peptide-polymer interaction in PLGA based drug delivery systems, which will help the Agency in developing recommendations for evaluation of generic microspheres containing peptide drugs. Application budgets should not exceed the following in total costs (direct and indirect): $250K for year 1 and $250K for year 2.
Understanding Barriers and Facilitators to Type 1 Diabetes Management in Adults (DP3)

National Institutes of Health

Contact: Christine M. Hunter, 301/594-4728, hunterchristine@niddk.nih.gov
Solicitation number: RFA-DK-16-002

The goal of this Funding Opportunity Announcement (FOA) is to support research that will identify barriers and facilitators to good diabetes self-management in adults with type 1 diabetes. The results from this research should inform future intervention research in adults with type 1 diabetes. Application budgets are limited to $2.5 million in direct costs, for the entire project period of up to five years.

Noise-Induced Synaptopathy in the Human Auditory System (R01)

National Institutes of Health

Contact: Janet Cyr, 301/402-3458, cyrj@nidcd.nih.gov
Solicitation number: RFA-DC-17-002

This FOA seeks applications focused on determining if noise-induced cochlear synaptopathy occurs in humans. Studies may include, but are not limited to, diagnosis/detection and determination of functional consequences of such noise-induced damage. Animal studies could be responsive to this solicitation, but the direct applicability to humans must be clearly delineated. Multi-disciplinary teams are encouraged to apply. Application budgets need to reflect the actual needs of the project and are limited to less than $500K direct costs/year. The maximum project period is 5 years.

Emerging Questions in Cancer Systems Biology (U01)

National Institutes of Health

Contact: Shannon Hughes, 240/276-6224, shannon.hughes@nih.gov
Solicitation number: PAR-16-131

This FOA invites cooperative agreement applications for Research Projects that utilize systems biology approaches to address emerging questions in cancer initiation, progression, and treatment. Cancer Systems Biology Consortium (CSBC) Research Projects are expected to involve interdisciplinary teams of physical scientists (e.g., engineers, chemists, computer scientists, mathematicians, physicists, population scientists, statisticians, epidemiologists) and cancer researchers (e.g., cancer biologists, oncologists, pathologists and clinicians in relevant disciplines) who collaborate to advance our understanding of cancer biology and oncology. CSBC Research Projects proposed in response to this FOA must demonstrate explicit integration of experimental biology and computational modeling to test and validate novel hypotheses in cancer research. The maximum project period is 5 years.

This FOA runs in parallel with two FOAs of identical scope, RFA-CA-15-014 and RFA-CA-15-015, that utilize the U54 Specialized Center- Cooperative Agreements and the U24 Resource-Related Research Projects – Cooperative Agreements mechanisms, respectively.
National Research Service Award (NRSA) Institutional Research Training Grant (T32)
National Institutes of Health, Cross-Institute
Contact: Varies with research interest
Solicitation number: PA-14-015
This FOA will award eligible, domestic institutions to enhance predoctoral and postdoctoral research training, including short-term research training, and help ensure that a diverse and highly trained workforce is available to meet the needs of the Nation's biomedical, behavioral, and clinical research agenda. Research training programs will incorporate didactic, research, and career development components to prepare individuals for careers that will have a significant impact on the health-related research needs of the Nation. Programs proposing only short-term research training should not apply to this announcement, but rather to the Kirschstein-NRSA Short-Term Institutional Research Training Grant Program (T35) exclusively reserved for predoctoral, short-term research training (see PA-14-016).

National Research Service Award (NRSA) Short-Term Institutional Research Training Grant (T35)
National Institutes of Health, Cross-Institute, National Eye Institute (NEI), National Heart, Lung, and Blood Institute (NHLBI)
Contact: Varies with research interest
Solicitation number: PA-14-016
This FOA will award Ruth L. Kirschstein National Research Service Award (NRSA) Short-Term Institutional Research Training Grants (T35) to eligible, domestic institutions to develop and/or enhance research training opportunities for predoctoral students interested in careers in biomedical, behavioral or clinical research. Many NIH Institutes and Centers (ICs) use this NRSA program exclusively to support intensive, short-term research training experiences for health professional students (medical students, dental students, and/or students in other health-professional programs) during the summer. This program is also intended to encourage training of graduate students in the physical or quantitative sciences to pursue research careers by short-term exposure to, and involvement in, the health-related sciences. The training should be of sufficient depth to enable the trainees, upon completion of the program, to have a thorough exposure to the principles underlying the conduct of biomedical research. This FOA runs in parallel with a FOA of identical scientific scope, PA-14-015, that utilizes the Parent T32 Ruth L. Kirschstein NRSA Institutional Research Training Grant mechanism.

NIDDK Research Education Program Grants for Summer Research Experiences (R25)
National Institutes of Health
Contact: Arthur Castle, 301/594-7719, castlea@mail.nih.gov
Solicitation number: PAR-15-140
This program supports research education activities in the mission areas of the NIH. The over-arching goal of this NIDDK Research Education R25 program is to support educational activities that complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs. To accomplish the stated over-arching goal, this FOA will support creative educational activities that propose summer research experiences in the research areas relevant to the NIDDK. The maximum award per year is $100K for up to five years.
Alcohol Education Project Grants (R25)

National Institutes of Health


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

Solicitation number: PAR-15-054

The program supports research educational activities that complement other formal training programs in the mission areas of the NIH Institutes and Centers. The over-arching goals of the NIH R25 program are to: (1) complement and/or enhance the training of a workforce to meet the nation’s biomedical, behavioral and clinical research needs. (2) enhance the diversity of the biomedical, behavioral and clinical research workforce; (3) help recruit individuals with specific specialty or disciplinary backgrounds to research careers in biomedical, behavioral and clinical sciences; and (4) foster a better understanding of biomedical, behavioral and clinical research and its implications. The over-arching goal of this NIAAA R25 program is to support educational activities that foster a better understanding of biomedical, behavioral and clinical research and its implications in alcohol abuse and alcoholism and HIV/AIDS. Direct costs are limited to $250,000 per year. Indirect costs will be paid at 8% of modified direct costs. The maximum project period is 2 years.

Food Specific Molecular Profiles and Biomarkers of Food and Nutrient Intake, and Dietary Exposure (R01)

National Institutes of Health


Contact: Padma Maruvada, 301/594-8888, padma.maruvada@nih.gov

Solicitation number: PAR-15-024

NIH and USDA-NIFA jointly support this FOA and encourage applications from well-qualified and experienced researchers, for addressing the specific gaps on food specific molecular signatures and biomarkers of food and nutrient intake, and dietary exposure over time. The FOA supports both animal and human studies as appropriate. Clinical studies that involve controlled feeding and short term bolus feeding studies involving limited human subjects are appropriate for this purpose. However, large interventional or observational clinical studies will not be supported through this FOA. Applicants may be able to take advantage of ongoing trials that may be able to accommodate some of the feeding studies as part of the larger trial or leverage an already available specimen resource, in responding to this FOA. In addition to supporting scientific research, both NIH and USDA hope to promote collaborative interaction among funded researchers through this effort. Awarded grantees from both agencies, in response to this FOA are required to plan and attend 2-3 workshops during the funded period. Research approaches of interest for this FOA include but are not limited to: (1) Identification and validation of food and nutrient specific metabolic signatures that correlate with nutrient quality and efficacy and nutrient consumption, (2) Identification and validation of molecular signatures of dietary consumption of nutrients over time, including commonly used nutrient supplements, and energy supplements or beverages, (3) Studies that explore the interaction/competition between various nutrients including natural products for their absorption, transport, metabolism and elimination, (4) Studies that explore the interaction/competition between various nutrients and drugs for their absorption, transport, metabolism and elimination, dose response, bioavailability, toxicity, and ADME profiles, (5) Studies that explore natural products/nutrients, microbiota interactions with host physiology and metabolism. The maximum project period is 5 years.
Cooperative Study Group for Autoimmune Disease Prevention (U01)

National Institutes of Health


Contact: Thomas Esch, 240/627-3565, tesch@niaid.nih.gov

Solicitation number: RFA-AI-16-003

This FOA solicits applications from single institutions or consortia of institutions to participate in the Cooperative Study Group for Autoimmune Disease Prevention. The CSGADP is a multi-center cooperative program established in 2001 as a closely interactive and collaborative network of investigators, with a focus on autoimmune disease prevention and a historical emphasis on type 1 diabetes. The Study Group has as its foundation a set of cooperative agreements coordinated by a Steering Committee, and also draws upon an Infrastructure and Opportunities Fund (IOF) to support a range of innovative, collaborative, and pilot and feasibility projects within and outside the Study Group membership to further the goals of the CSGADP program. These goals include understanding the immune mechanisms that underlie autoimmunity and autoimmune disease, the mechanisms and consequences of manipulation of the immune response in autoimmunity, and the application of this information to the prevention of autoimmune diseases in humans. The purpose of this FOA is to continue the support for the CSGADP program. Although the Study Group has historically maintained a strong interest and research program in type 1 diabetes, applications that include projects on other autoimmune diseases or projects related to more than one autoimmune disease are also encouraged. The long-term goal of this program is to develop the knowledge base necessary to design selective interventions for the prevention of autoimmune disease. For the purpose of this FOA, “prevention of autoimmune disease” is defined as halting the development of an autoimmune disease prior to clinical onset by means other than global immunosuppression. Budgets may be requested up to $1.6M direct costs per year for five years.

The Neural Mechanisms of Multi-Dimensional Emotional and Social Representation (R01)

National Institutes of Health


Contact: Janine Simmons, 301/443-1576, simmonsj@mail.nih.gov

Solicitation number: RFA-MH-17-300

This FOA encourages grant applications that incorporate a multi-dimensional perspective into studies of the neural mechanisms underlying emotional and/or social representations. The ability to integrate a broad array of emotional and social cues is impaired in many mental disorders, yet the neural mechanisms underlying these processes are not well understood. This FOA encourages investigators to take on the challenge of investigating how diverse multi-dimensional emotional and/or social cues are represented across integrated and temporally dynamic brain circuits. This FOA solicits applications that incorporate innovative approaches designed to move affective and social neuroscience beyond single region-based, modular, and/or static models of brain function and behavior. Application budgets are limited $500K direct costs, annually over a period of 5 years. This FOA runs in parallel with a FOA of identical scope, RFA-MH-17-305, that utilizes the R21 Exploratory/Developmental Grant mechanism.

Epidemiology of Drug Abuse (R01)

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


Contact: Marsha Lopez, 301/443-6504, lopezmar@nida.nih.gov

Solicitation number: PA-11-230

This FOA is intended to support research projects to enhance our understanding of the nature, extent, distribution, etiology, comorbidities, and consequences of drug use, abuse, and addiction across individuals, families, communities, and diverse population groups. This FOA strongly encourages applications that reflect the breadth of epidemiology research by addressing multiple levels of risk, resilience, and causation across scientific disciplines; by applying novel methods to advance knowledge of the interplay among genetic, environmental, and developmental factors and between social environments and associated health and disease outcomes; and by building on the research investments of NIH and sister HHS agencies to harness existing data on the epidemiology and etiology of drug abuse to improve public health prevention and treatment programs. This FOA runs in parallel with FOAs of identical scientific scope, PA-15-001 and PA-15-002, that encourage applications under the R21 and R03 mechanism, respectively.
Spatial Uncertainty Data, Modeling, and Communication (R01)
National Institutes of Health, Cross-Institute
Contact: Varies with research interest
Solicitation number: PA-15-010
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-15-009, that encourages applications under the R21 mechanism, and PA-15-011, that encourages applications under the R03 mechanism.

International Research Collaboration on Drug Abuse and Addiction Research (R01)
National Institutes of Health, National Institute on Drug Abuse (NIDA)
Contact: Steven Gust, 301/443-6480, ipdirector@nida.nih.gov
Solicitation number: PA-15-142
This FOA encourages collaborative research applications on drug abuse and addiction that take advantage of special opportunities that exist outside the U.S. Special opportunities include access to unusual talent, resources, populations, or environmental conditions in other countries that will speed scientific discovery. This year the scientific priorities include: linkages between HIV/AIDS and drug abuse, and prevention, initiation, and treatment of nicotine and tobacco use (especially among vulnerable populations such as children, adolescents, pregnant women, and those with co-morbid disorders). The maximum project period is 5 years.

Research to Action - Assessing and Addressing Community Exposures to Environmental Contaminants (R01)
National Institutes of Health, National Institute of Environmental Health Sciences (NIEHS), National Institute of Nursing Research
Contact: Symma Finn, 919/541-4258, finns@niehs.nih.gov
Solicitation number: PA-16-083
This FOA encourages applications using community-engaged research methods to investigate the potential health risks of environmental exposures of concern to the community and to implement an environmental public health action plan based on research findings. The overall goal is to support changes to prevent or reduce exposure to harmful environmental exposures and improve the health of a community. The maximum project period is five years.

Lymphatics in Health and Disease in the Digestive, Kidney, and Urinary Tract (R01)
National Institutes of Health, National Heart, Lung, and Blood Institute (NHLBI)
Contact: Jill Carrington, 301/402-6071, carringj@mail.nih.gov
Solicitation number: PAR-15-306
This FOA is to encourage Research Project Grant (R01) applications for research into aspects of lymphatic vessel physiology, development and pathophysiology related to health and diseases of the digestive system, kidney, and urinary tract organs. However, studies with the major focus on immune mechanisms are not encouraged. Studies to understand the factors that control local lymphatic vessel functional anatomy and physiology and development 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 exclusive of any consortium F&A costs.
Advances in Polycystic Kidney Disease (R01)
National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
https://grants.nih.gov/grants/guide/pa-files/PA-16-159.html
Contact: Rebekah Rasooly, 301/594-6007, rebekah.rasooly@nih.gov
Solicitation number: PA-16-159
The intent of this FOA is 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.

Obesity Policy Evaluation Research (R01)
National Institutes of Health, Cross-Institute
Contact: Varies with research interest
Solicitation number: PA-16-165
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.

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.
Spatial Uncertainty - Data, Modeling, and Communication (R01)

National Institutes of Health, Cross-Institute


Contact: Li Zhu, 240/276-6851, li.zhu@nih.gov

Solicitation number: PA-15-010

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. It will require a team of epidemiologists, statisticians, and experts in data visualization or health communication to attack the spatial uncertainty issue thoroughly. This FOA will facilitate multidisciplinary collaborations among scientists to promote research in identifying, quantifying, reducing, and communicating spatial uncertainty in health research to improve disease control and prevention. It will also facilitate integration of data collection, information technology, visualization tools, statistical models, and health communication to reduce spatial uncertainty in planning, implementing and evaluating disease control programs. The maximum period is 5 years.

This FOA runs in parallel with FOAs of identical scientific scope, PA-15-009 and PA-15-011, that utilize the R21 Exploratory/Developmental Grant and R03 Small Grant Program mechanisms, respectively.

Healthy Habits: Timing for Developing Sustainable Healthy Behaviors in Children and Adolescents (R01)

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


Contact: Varies with research interest

Solicitation number: PA-14-177

This FOA seeks to encourage applications that employ innovative research to identify mechanisms of influence and/or promote positive sustainable health behavior(s) in children and youth (birth to age 21). Applications to promote positive health behavior(s) should target social and cultural factors, including, but not limited to: schools, families, communities, population, food industry, age-appropriate learning tools and games, social media, social networking, technology and mass media. Topics to be addressed in this announcement include: effective, sustainable processes for influencing young people to make healthy behavior choices; identification of the appropriate stage of influence for learning sustainable lifelong health behaviors; the role of technology and new media in promoting healthy behavior; identification of factors that support healthy behavior development in vulnerable populations, identification of barriers to healthy behaviors; and, identification of mechanisms and mediators that are common to the development of a range of habitual health behaviors. Given the many factors involved in developing sustainable health behaviors, applications from multidisciplinary teams are strongly encouraged. The ultimate goal of this FOA is to promote research that identifies and enhances processes that promote sustainable positive behavior or changes social and cultural norms that influence health and future health behaviors. The maximum project period is five years. This FOA runs in parallel with a FOA of identical scientific scope, PA-14-176, that utilizes the R21 Exploratory/Developmental Grant mechanism.
Research on Chronic Overlapping Pain Conditions (R01)
National Institutes of Health

http://grants.nih.gov/grants/guide/pa-files/PA-14-244.html - Section VII. Agency

Contact: Michael Oshinsky, 301/496-9964, michael.oshinsky@nih.gov

Solicitation number: PA-14-244

The purpose of this FOA is to encourage epidemiological, clinical and translational research that will increase our understanding of the natural history, prevalence, biological mechanisms, psychological variables, and clinical risk factors responsible for the presence of multiple chronic pain conditions in people with pain. Recent clinical findings suggest that substantial overlap may exist between chronic pain conditions. Individuals diagnosed with one disorder often exhibit characteristics of additional chronic painful conditions or transition to other diagnostic categories. A better understanding is needed of the prevalence of overlapping pain conditions, the underlying etiologies, the progression of these conditions, the evolution of these overlaps, and the therapeutic approaches best suited for treating subjects with these conditions. The main objective of this FOA is the formation of research groups with interests bridging expertise in pain mechanisms with translational and clinical expertise to address important unresolved questions about overlapping pain conditions. Applicants are encouraged to leverage existing and develop new resources pertinent to the study of these conditions. Applicants are encouraged to include researchers with complementary expertise from outside the pain field in their research teams who will enhance the breadth of research and understanding of comorbid chronic pain conditions. The maximum award reflect the needs of the proposed project and has a maximum duration of five years. This FOA runs in parallel with a FOA of identical scientific scope, PA-14-243, that utilizes the R21 Exploratory/Developmental Grant mechanism.

Alcohol Use Disorders: Behavioral Treatment, Services and Recovery Research
National Institutes of Health


Contact: Daniel Falk, 301/443-0788, falkde@mail.nih.gov

Solicitation number: PA-15-299

This FOA encourages grant applications from institutions/organizations that propose to support research on behavioral treatment for alcohol use disorders; organizational, financial, and management factors that facilitate or inhibit the delivery of services for alcohol use disorders; and phenomenon of recovery from alcohol use disorders. Application budgets are not limited, but must reflect the actual needs of the proposed project.

Diabetes and Cardiovascular Disease in Older Adults (R01)
National Institutes of Health


Contact: Susan Zieman, 301/496-6761, Susan.Zieman@nih.gov

Solicitation number: PA-15-037

This FOA invites applications that propose basic, clinical, and epidemiological outcomes research on the impact of age on the development of, diagnosis, and management of diabetes and cardiovascular disease (CVD) complications in older persons or animal models. Research may focus on, but is not limited to 1) the epidemiology of increasing incidence and prevalence of DM with advancing age, particularly regarding potential racial-ethnic disparities, 2) the elucidation of age-related mechanisms predisposing older adults to diabetes and resultant CVD, 3) understanding the role of aging in increased incidence and severity of CVD outcomes in older diabetics, and 4) determining age-specific prevention, screening, diagnostic, and management strategies of DM in older persons and its CVD complications. Research supported by this initiative is expected to elucidate the role of aging mechanisms that underlie the increased vulnerability of older adults to DM and its CVD complications and to provide evidence-based guidance to improve more appropriate diagnostic criteria, risk stratification, and intervention recommendations to prevent the onset, or improve short- and long-term outcomes, of DM and CVD in older persons. The maximum project period is 5 years. This FOA runs in parallel with two FOAs of identical scope, PA-15-039 and PA-15-038, that utilize the R03 Small Grant Program R21 Exploratory/Developmental Grant mechanisms, respectively.
Personalized Strategies to Manage Symptoms of Chronic Illness (R01)

National Institutes of Health

Personalized Strategies to Manage Symptoms of Chronic Illness (R01)

Contact: Martha Matocha, 301/594-2775, matocham@mail.nih.gov

Solicitation number: PA-16-007

The purpose of this initiative is to encourage interdisciplinary research to decrease symptom burden and enhance health-related quality of life (HRQL) in persons with chronic illness through a) increasing knowledge of the biological mechanisms of symptoms and b) promoting innovative, cost-effective, targeted interventions to prevent, manage or ameliorate these symptoms. This FOA runs in parallel with two FOAs of identical scope, PA-16-006 and PA-16-008, that utilize the R15 Academic Research Enhancement Award (AREA) mechanism and Exploratory/Developmental Grant mechanism, respectively.

Advancing Understanding, Prevention, and Management of Infections Transmitted from Women to their Infants (R

National Institutes of Health


Contact: Nahida Chakhtoura, 301/435-6872, nahida.chakhtoura@nih.gov

Solicitation number: PA-16-032

The purpose of this FOA is to stimulate investigations including translational, epidemiologic and clinical studies that improve the understanding, prevention and clinical outcomes of non-HIV infections transmitted from women to their offspring during pregnancy, labor/delivery, and breastfeeding. To improve the health and well-being of mothers, their infants, and families and cause a reduction in perinatal morbidity associated with infections, NICHD will support scientific research to increase the understanding of infectious diseases transmitted from mother to child. Application budgets are not limited but need to reflect the actual needs of the proposed project. This FOA runs in parallel with a FOA of identical scope, PA-16-031, that utilizes the R21 Exploratory/Developmental Grant mechanism.

Education and Health: New Frontiers (R01)

National Institutes of Health


Contact: Michael Spittel, 301/451-4286, spittelm@mail.nih.gov

Solicitation number: PAR-16-080

The goal of this is to support research that will further elucidate the pathways involved in the relationship between education and health outcomes and in doing so to carefully identify the specific aspects and qualities of education that are responsible for this relationship and what the mediating factors are that affect the nature of the causal relationship. The maximum project period is 5 years.

This FOA runs in parallel with two FOAs of identical scope, PAR-16-078 and PAR-16-079, that utilize the R21 Exploratory/Developmental Grant and R03 Small Grant Program mechanisms, respectively.
Oocyte Mitochondrial Function in Relation to Fertility, Aging, and Mitochondrial Diseases (R01)

National Institutes of Health


Contact: Ravi Ravindranath, 301/435-6889, ravindrn@mail.nih.gov

Solicitation number: PA-16-088

The purpose of this FOA is to encourage applications from the scientific community to support outstanding research in the area of oocyte mitochondrial function in relation to fertility, aging, and mitochondrial disease transmission to offspring. The overarching goal is to gain fundamental insight into the role of mitochondria and long-term consequences of their dysfunction in the oocyte, and to develop therapeutic or alternative approaches to treat mitochondrial dysfunction for improving oocyte quality and competency, and health of the resultant offspring. It is anticipated that the results from studies supported by this FOA will provide women, suffering from infertility or subfertility and other illnesses due to mitochondrial dysfunction, practical approaches to enhance their fertility and the well-being of their offspring. The maximum period is 5 years.

Diet and Physical Activity Assessment Methodology (R01)

National Institutes of Health


Contact:

Solicitation number: PAR-15-170

This Funding Opportunity Announcement (FOA) encourages innovative research to enhance the quality of measurements of dietary intake and physical activity. Applications submitted under this FOA are encouraged to include development of: novel assessment approaches; better methods to evaluate instruments; assessment tools for culturally diverse populations or various age groups, including children and older adults; improved technology or applications of existing technology; statistical methods/modeling to improve assessment and/or to correct for measurement errors or biases; methods to investigate the multidimensionality of diet and physical activity behavior through pattern analysis; or integrated measurement of diet and physical activity along with the environmental context of such behaviors.

Pragmatic Strategies for Assessing Psychotherapy Quality in Practice (R01)

National Institutes of Health


Contact: Joel Sherrill, 301/443-2477, jsherril@mail.nih.gov

Solicitation number: RFA-MH-17-500

This FOA supports the development and testing of pragmatic strategies for assessing the quality of the delivery of psychosocial interventions (defined here as provider-delivered behavioral, cognitive, interpersonal or other psychosocial/psychotherapeutic approaches) for the treatment or prevention of mental health disorders. Specifically, the goal is develop assessment tools and strategies that are both psychometrically rigorous (i.e., reliable, valid and strongly predictive of therapy outcomes and associated with other “gold standard” metrics of quality) and pragmatic (i.e., feasible for use in community practice settings and useful for advancing efforts at training, supervision, quality monitoring, and/or quality improvement). The maximum project period is 5 years.
Time-Sensitive Obesity Policy and Program Evaluation (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-15-346

This FOA establishes an accelerated review/award process to support time-sensitive research to evaluate a new policy or program expected to influence obesity related behaviors (e.g., dietary intake, physical activity, or sedentary behavior) and/or weight outcomes in an effort to prevent or reduce obesity. This FOA is intended to support research where opportunities for empirical study are, by their very nature, only available through expedited review and funding. All applications to this FOA must demonstrate that the evaluation of an obesity related policy and/or program offers an uncommon and scientifically compelling research opportunity that will only be available if the research is initiated with minimum delay. The maximum project period is five years.

6/10/2016 Application
7/11/2016 Application
8/10/2016 Application
9/12/2016 Application

Time-Sensitive Obesity Policy and Program Evaluation (R01)

National Institutes of Health


Contact: Christine Hunter, 301/594-4728, ch514c@nih.gov

Solicitation number: PAR-15-346

This FOA establishes an accelerated review/award process to support time-sensitive research to evaluate a new policy or program that is likely to influence obesity related behaviors (e.g., dietary intake, physical activity, or sedentary behavior) and/or weight outcomes in an effort to prevent or reduce obesity. This FOA is intended to support research where opportunities for empirical study are, by their very nature, only available through expedited review and funding. All applications to this FOA must demonstrate that the evaluation of an obesity related policy and/or program offers an uncommon and scientifically compelling research opportunity that will only be available if the research is initiated with minimum delay. For these reasons, applications in response to this time-sensitive FOA are not eligible for resubmission. It is intended that eligible applications selected for funding will be awarded within 4 months of the application due date. However, administrative requirements and other unforeseen circumstances may delay issuance dates beyond that timeline. The maximum project period is 5 years. Letters of intent are due 30 days prior to the application receipt date.

6/11/2016 Letter of Intent (optional)
7/11/2016 Application
11/14/2016 Letter of Intent (optional)
12/14/2016 Application

Imaging and Biomarkers for Early Cancer Detection (R01)

National Institutes of Health, National Cancer Institute (NCI)


Contact: Richard Mazurchuk, 240/276-7126, richard.mazurchuk@nih.gov

Solicitation number: PAR-16-089

This FOA invites research project (R01) applications that combine imaging and biomarkers. The overall objective of this FOA is to facilitate collaborative imaging and biomarker research to improve cancer screening, early cancer detection and diagnosis by integrating multi modality imaging strategies and multiplexed biomarker methodologies. Application budgets are not limited, but need to reflect the actual needs of the proposed project. The maximum project period is five years.
Mentored Quantitative Research Development Award (Parent K25)
National Institutes of Health, Cross-Institute
Contact:Varies with research interest
Solicitation number: PA-16-194
The purpose of this award is to attract to NIH-relevant research those investigators whose quantitative science and engineering research has thus far not been focused primarily on questions of health and disease. The K25 award will provide support and "protected time" for a period of supervised study and research for productive professionals with quantitative (e.g. mathematics, statistics, economics, computer science, imaging science, informatics, physics, chemistry) and engineering backgrounds to integrate their expertise with NIH-relevant research. Prospective candidates are encouraged to contact the relevant NIH staff for IC-specific programmatic and budgetary information.

NLM Career Development Award in Biomedical Informatics and Data Science (K01)
National Institutes of Health, National Library of Medicine (NLM)
Contact:Varies with research interest
Solicitation number: PAR-16-204
The overall goal of the program is to help ensure that a diverse pool of highly trained scientists is available in appropriate scientific disciplines to address the Nation's biomedical, behavioral, and clinical research needs. The objective of this award is to provide salary and research support for a sustained period of “protected time” (3 years) for intensive research career development under the guidance of an experienced mentor, or sponsor, in the biomedical, behavioral or clinical sciences leading to research independence. The expectation is that, through this sustained period of research career development and training, awardees will launch independent research careers and become competitive for new research project grant (e.g., R01) funding. The National Library of Medicine (NLM) Career Development Award in Biomedical Informatics (K01) is intended to provide support for promising junior investigators as they launch their research careers in biomedical informatics research and data science. NLM supports research career development in healthcare/clinical informatics, translational bioinformatics, clinical research informatics and public health informatics. The total project period may not exceed 3 years.

NIH Pathway to Independence Award (Parent K99/R00)
National Institutes of Health
Contact: varies with research intent
Solicitation number: PA-16-193
The purpose of this award program is to increase and maintain a strong cohort of new and talented, NIH-supported, independent investigators. This program is designed to facilitate a timely transition of outstanding postdoctoral researchers with a research and/or clinical doctorate degree from mentored, postdoctoral research positions to independent, tenure-track or equivalent faculty positions. The program will provide independent NIH research support during this transition in order to help awardees to launch competitive, independent research careers. Prospective candidates are encouraged to contact the relevant NIH staff for IC-specific programmatic and budgetary information. The total project period may not exceed 5 years.
Diabetes Research Centers (P30) - Limited Submission
National Institutes of Health
Contact: James F. Hyde, 301/594-7692, James.Hyde@mail.nih.gov
Solicitation number: RFA-DK-15-026
This FOA invites applications for Diabetes Research Centers, formerly named Diabetes Endocrinology Research Centers (DERCs) and Diabetes Research and Training Centers (DRTCs). Diabetes Research Centers are designed to support and enhance the national research effort in diabetes, its complications, and related endocrine and metabolic diseases. Diabetes Research Centers support three primary research-related activities: Research Core services, a Pilot and Feasibility (P and F) program, and an Enrichment program. All activities pursued by Diabetes Research Centers are designed to enhance the efficiency, productivity, effectiveness and multidisciplinary nature of research in Diabetes Research Center topic areas. The NIDDK Diabetes Research Centers program in 2015 consists of 16 Centers each located at outstanding research institutions with documented programs of excellence in diabetes-related research. General information about the NIDDK Diabetes Research Centers program may be found at www.diabetescenters.org. Application budgets are limited to $1.0M per year in direct costs unless the applicant organization proposes to provide regional or national services as described in the Funding Opportunity Description section of the FOA. Applications proposing a Regional/National Shared Research Core or P and F Program are limited to $1.25M per year in direct costs.

Early Career Award in Chemistry of Drug Abuse and Addiction (ECHEM) (R21 & R33)
National Institutes of Health, National Institute on Drug Abuse (NIDA)
Contact: Kristopher J. Bough, 301/443-9800, boughk@mail.nih.gov
Solicitation number: PAR-13-350
This FOA seeks to facilitate the entry of new-to-NIH investigators into basic chemistry research applied to drug abuse and addiction. It is intended to encourage early career chemists (or chemists new to NIH) to develop probes that aid basic research investigations on drug abuse and/or identify new or better templates as lead compounds with potential for conducting structure activity relationship (SAR)-function studies. Awards will support milestone driven exploratory/feasibility “proof of concept” studies (R21), with possible rapid transition to expedited development (R33). For the R21 award, direct costs are limited to $250K over a two-year period with a maximum of $200K per year. The R33 award phase will be limited to $250K in direct costs per year.

NIH Small Research Grant Program (Parent R03)
National Institutes of Health, Cross-Institute
Contact: 301/435-0714, GrantsInfo@nih.gov
Solicitation number: PA-16-162
This 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.
NIH Exploratory & Developmental Research Grant Program (Parent R21)
National Institutes of Health, Cross-Institute
Contact: 301/435-0714, GrantsInfo@nih.gov
Solicitation number: PA-16-161

This 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.

Growing Great Ideas: Research Education Course in Product Development and Entrepreneurship for Life Science Researchers
National Institutes of Health
Contact: Elena Koustova, 301/496-8768, elena.koustova@nih.gov
Solicitation number: RFA-DA-17-007

This program supports research education activities in the mission areas of the NIH. The overarching goal of this NIDA R25 program is to support educational activities that enhance the training of a workforce to meet the nation’s biomedical, behavioral and clinical research needs. To accomplish the stated overarching goal, this FOA will support creative educational activities with a primary focus on Courses for Skills Development. This FOA solicits applications to develop and implement research education programs/short courses in entrepreneurship, innovation and product development specifically targeting bench life scientists. The institution proposing the course must be a research-intensive institution that has an established and well-recognized entrepreneurship teaching program with the demonstrated ability and willingness to adapt/develop and deliver the integrated curriculum for the academic life scientists, including scientists working in the field of drug abuse and addiction research. The short courses should primarily target independent academic neuroscience researchers and post-doctoral fellows interested in incorporating product (drug, device, diagnostics, research tool, mobile health application, etc.) development into their research programs with the goal of future commercialization. Direct costs of up to $250K per year may be requested.

Tobacco Regulatory Science Small Grant Program for New Investigators (R03)
National Institutes of Health
Contact: Rachel Grana, 240/276-5899, granar@mail.nih.gov
Solicitation number: RFA-OD-15-004

The purpose of this FOA is to support New Investigators in the biomedical, behavioral, and social sciences who are in the early stages of establishing independent careers in tobacco regulatory research. The R03 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. Applicants are encouraged to conduct projects that ultimately have potential to inform regulations on tobacco product manufacturing, distribution, and marketing. Research projects must address the research priorities related to the regulatory authority of the Food and Drug Administration (FDA) Center for Tobacco Products (CTP) as mandated by the Family Smoking Prevention and Tobacco Control Act (FSPPTCA), Public Law 111-31. Application budgets are limited to $75K per year for up to two years in length.
Pragmatic Research in Healthcare Settings to Improve Diabetes and Obesity Prevention and Care (R18)

National Institutes of Health


Contact: Andrew Bremer, 301/827-2555, Andrew.bremer@nih.gov

Solicitation number: PAR-15-157

The purpose of this Research Demonstration and Dissemination Projects (R18) FOA is to encourage research applications to test approaches to improve diabetes and obesity prevention and/or treatment in routine healthcare settings. Research applications should be designed to test practical and potentially sustainable strategies to improve processes of care and health outcomes for individuals who are overweight or obese or at risk for becoming overweight or obese and/or at risk for or have type 1 or type 2 diabetes. The goal of the research is to obtain results that will improve routine healthcare practice and inform healthcare policy for the prevention or management of these conditions. The maximum project period is five years.

Biomedical and Behavioral Research Innovations to Ensure Equity (BRITE) in Maternal and Child Health (R15)

National Institutes of Health


Contact: Reiko Toyama, 301/435-2723, toyamar@mail.nih.gov

Solicitation number: PAR-15-319

The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) seeks to increase the diversity of the pool of researchers involved in health equity research related to NICHD mission areas including: preterm birth; infant mortality; sudden infant death syndrome (SIDS); maternal mortality; reproductive health; uterine fibroid tumors; childhood, adolescent, and/or adult obesity; violence prevention; perinatal HBV and HIV/AIDS prevention; HIV/AIDS prevention; asthma; intellectual and developmental disabilities; pediatric injury prevention; and medical rehabilitation. The goal of the Biomedical and Behavioral Research Innovations To Ensure Equity (BRITE) in maternal and child health program is to stimulate maternal and child health equity research. Applicants may request a maximum of $300K direct costs plus applicable Facilities & Administrative (F&A) costs/indirect costs for the entire project period of up to three years. No more than $150K may be spent in any single year without prior approval from NICHD.

NIDDK Short-Term Education Program for Underrepresented Persons (STEP-UP) (R25)

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


Contact: Robert Rivers, 301/443-8415, riversrc@mail.nih.gov

Solicitation number: RFA-DK-16-021

This FOA supports research educational activities that complement other formal training programs in the mission areas of the NIH Institutes and Centers. The over-arching goals of the NIH R25 program are to: (1) complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs; (2) enhance the diversity of the biomedical, behavioral and clinical research workforce; (3) help recruit individuals with specific specialty or disciplinary backgrounds to research careers in biomedical, behavioral and clinical sciences; and (4) foster a better understanding of biomedical, behavioral and clinical research and its implications. The direct costs for the high school program cannot exceed $194K per year. For the undergraduate program, the direct costs cannot exceed $255K per year. The maximum project period is five years.
**Novel Nucleic Acid Sequencing Technology Development (R01)**

National Institutes of Health


Contact: Michael Smith, 301/402-1114, smithmw@mail.nih.gov

Solicitation number: RFA-HG-15-032

This FOA solicits R01 grant applications to develop novel technologies that will enable new approaches to DNA and direct RNA sequencing. Applicants may propose to develop novel complete sequencing systems, investigate challenges underlying key novel system components, or propose improvements of at least an order of magnitude improvement to existing systems. Exploration of methods other than those currently in use is highly encouraged. High-risk/high-payoff applications are appropriate to achieve the goals of this FOA. An applicant may request direct costs of up to $700K per year. 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.


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**Laboratory and Diagnostic Tools to Advance Microbiome-Brain Research (R41)**

National Institutes of Health


Contact: Irina Sazonova, 301/827-9564, irina.sazonova@nih.gov

Solicitation number: RFA-DA-17-016

This FOA aims to support the development of novel analytical tools, technologies and research resources to study the microbiome, including its composition, genetics, and bioactivity. NCCIH is interested in the role of gut microbiota, and the potential for pre- and probiotics in modulating gut microbiota to prevent and treat a variety of diseases, and disorders including those that may be associated with the brain-gut axis (e.g., pain and anxiety). Novel assays (e.g., high dimensional methods, analytical and informatics tools) need to be developed and widely used to characterize and determine the bioactivity of, and interactions among prebiotics, probiotics and commensal microbiota. Tool-enabling discovery examining the range and complexity of bioactivity, and diversity among prebiotics and probiotics and gut-microbiota will advance research, and clinical application aimed at the diagnosis, treatment, and prevention of disease and disorders. Budgets up to $150,000 total costs per year may be requested.

This FOA runs in parallel with an FOA of identical scope, RFA-DA-17-017, that utilizes the R43/R44 Small Business Innovation Research (SBIR) Grant mechanism

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**National Science Foundation (NSF)**

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.
Grant Opportunities for Academic Liaison with Industry (GOALI)

National Science Foundation, Cross-Directororate


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.

Hydrologic Sciences

National Science Foundation, Geosciences (GEO)


Contact: Thomas Torgersen, 703/292-8549, ttorgers@nsf.gov

Solicitation number: NSF 15-558

This program focuses on the fluxes of water in the environment that constitute the water cycle as well as the mass and energy transport function of the water cycle in the environment. The Program supports studying processes from rainfall to runoff to infiltration and streamflow; evaporation and transpiration; as well as the flow of water in soils and aquifers and the transport of suspended, dissolved and colloidal components. This program retains a strong focus on linking the fluxes of water and the components carried by water across the boundaries between various interacting components of the terrestrial system and the mechanisms by which these fluxes co-organize over a variety of timescales and/or alter the fundamentals of the interacting components. The Program is also interested in how water interacts with the solid phase, the landscape and the ecosystem as well as how such interactions and couplings are altered by land use and climate change. Studies may address aqueous geochemistry and solid phase interactions as well as physical, chemical, and biological processes as coupled to water transport. Regular research awards supported by HS are generally but not exclusively in the range of $250K to $700K and of 2-4 years duration. Hydrologic process synthesis projects should be at a level appropriate to the scope of topic and are expected to be conducted at total levels of <$1M over 3-5 years with an emphasis on support of graduate students and postdocs.
**Geobiology and Low-Temperature Geochemistry**

National Science Foundation, Geosciences (GEO)


Contact: Enriqueta Barrera, 703/292-7780, ebarrera@nsf.gov

Solicitation number: NSF 15-559

This program supports research on: 1) the interactions between biological and geological systems at all scales of space and time; 2) geomicrobiology and biomineralization processes; 3) the role of life in the transformation and evolution of the Earth's geochemical cycles; 4) inorganic and organic geochemical processes occurring at or near the Earth's surface now and in the past, and at the broad spectrum of interfaces ranging in scale from planetary and regional to mineral-surface and supramolecular; 5) mineralogy and chemistry of soils and sediments; 6) surficial chemical and biogeochemical systems and cycles and their modification through natural and anthropogenic change; and 7) development of tools, methods, and models for low-temperature geochemistry and geobiological research - such as those emerging from molecular biology - in the study of the terrestrial environment. This program is especially interested in proposals in emerging fields. Anticipated funding is $5.2M annually for 30-40 standard awards.

**Sedimentary Geology and Paleobiology (SGP)**

National Science Foundation, Geosciences (GEO)


Contact: Judith Skog, 703/292-7909, jskog@nsf.gov

Solicitation number: NSF 16-536

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

**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.
**Geomorphology and Land Use Dynamics**

National Science Foundation, Geosciences (GEO)


Contact: Richard Yuretich, 703/292-8548, ryuretic@nsf.gov

Solicitation number: NSF 15-560

This program supports innovative research into processes that shape and modify landscapes over a variety of length and time scales. The program encourages research that investigates quantitatively the coupling and feedback among such processes, their rates, and their relative roles, especially in the contexts of variation in climatic and tectonic influences and in light of changes due to human impact. Anticipated funding is $5M for a total of 25 to 35 standard or continuing grants per year.

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

National Science Foundation


Contact: Vasant Honavar, vhonavar@nsf.gov

Solicitation number: NSF 13-093

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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**Earth Sciences: Instrumentation and Facilities (EAR/IF)**

National Science Foundation


Contact: David Lambert, 703/292-8558, dlambert@nsf.gov

Solicitation number: NSF 15-516

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 ([see http://www.nsf.gov/div/index.jsp?div=EAR](http://www.nsf.gov/div/index.jsp?div=EAR)). EAR/IF will consider proposals for: 1) Acquisition or Upgrade of Research Equipment, 2) Development of New Instrumentation, Techniques or Software, 3) Support of National or Regional Multi-User Facilities or 4) Support for Early Career Investigators.

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**Archaeology Program - Doctoral Dissertation Research Improvement Awards**

National Science Foundation


Contact: John Yellen, 703/292-8759, jyellen@nsf.gov

Solicitation number: NSF 15-554

The Archaeology Program supports anthropologically relevant archaeological research. This means that the value of the proposed research can be justified within an anthropological context. The Program sets no priorities by either geographic region or time period. It also has no priorities in regard to theoretical orientation or question and it is the responsibility of the applicant to explain convincingly why these are significant and have the potential to contribute to anthropological knowledge. While the Program, in order to encourage innovative research, neither limits nor defines specific categories of research type, most applications either request funds for field research and/or the analysis of archaeological material through multiple approaches. The Program also supports methodological projects which develop analytic techniques of potential archaeological value. Doctoral Dissertation Research Improvement (DDRI) awards may not exceed $20K over the duration of the three-year project period.
**Conferences and Workshops in the Mathematical Sciences**

National Science Foundation  

Contact: Tomek Bartoszynski, 703/292-4885, tbartosz@nsf.gov

Solicitation number: NSF 16-550

The Division of Mathematical Sciences (DMS) has long supported conferences, workshops, and related activities. Examples of related activities include longer-term or larger-scale events such as multi-institutional regional meetings, summer or winter schools, and international travel by groups of mathematical scientists. Proposals for conferences normally request funding in the range of $5K to $25K, though awards of up to $50K have been made on occasion. Proposals for other kinds of conference-like activities may request funding of any amount and for durations of up to three years; in past years, some such awards have fallen in the range of $50K to $150K per year.

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**Antarctic Research**

National Science Foundation  

Contact: Varies with research interest

Solicitation number: NSF 16-541

Scientific research, along with operational support of that research, is the principal activity of the U.S. Antarctic Program in Antarctica. The National Science Foundation’s Antarctic Sciences Section fosters research on globally and regionally important scientific problems. In particular, the Antarctic Sciences Section supports research that expands fundamental knowledge of the region as well as research that relies on the unique characteristics of the Antarctic continent as a platform from which to support research. Antarctic fieldwork will only be supported for research that can only be performed or is best performed in Antarctica. The Antarctic Sciences Section strongly encourages research using existing samples, models, and data as well as research at the intersection between disciplines. The research areas are: Astrophysics and Geospace Science; Organisms and Ecosystems; Earth Sciences; Ocean and Atmospheric Sciences; Glaciology; Instrumentation and Technology; Polar Cyberinfrastructure; and Integrated System Science. It is expected that approximately 50 grants will be awarded.

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**NSF Scholarships in Science, Technology, Engineering, and Mathematics (S-STEM) 2016**

National Science Foundation  

Contact:

Solicitation number: NSF 16-540

The program seeks: 1) to increase the number of low-income academically talented students with demonstrated financial need obtaining degrees in STEM and entering the workforce or graduate programs in STEM; 2) to improve the education of future scientists, engineers, and technicians, with a focus on academically talented low-income students; and 3) to generate knowledge to advance understanding of how factors or evidence-based curricular and co-curricular activities affect the success, retention, transfer, academic/career pathways, and graduation in STEM of low-income students.

The STEM disciplines supported by the S-STEM program include:

- Biological sciences (except medicine and other clinical fields);
- Physical sciences (including physics, chemistry, astronomy, and materials science);
- Mathematical sciences;
- Computer and information sciences;
- Geosciences;
- Engineering; and
- Technology areas associated with the preceding disciplines (for example, biotechnology, chemical technology, engineering technology, information technology, etc.)

The S-STEM program particularly encourages proposals from 2-year institutions, Minority Serving Institutions (MSIs), Historically Black Colleges and Universities (HBCUs), Hispanic Serving Institutions (HSIs), tribal colleges, and urban public and rural institutions.
Ruth L. Kirschstein National Research Service Award (NRSA) Short-Term Institutional Research Training Grant

The National Institutes of Health (NIH) will award Ruth L. Kirschstein National Research Service Award (NRSA) Short-Term Institutional Research Training Grants (T35) to eligible, domestic institutions to develop and/or enhance research training opportunities for predoctoral students interested in careers in biomedical, behavioral or clinical research. Many NIH Institutes and Centers (ICs) use this NRSA program exclusively to support intensive, short-term research training experiences for health professional students (medical students, dental students, and/or students in other health-professional programs) during the summer. This program is also intended to encourage training of graduate students in the physical or quantitative sciences to pursue research careers by short-term exposure to, and involvement in, the health-related sciences. The training should be of sufficient depth to enable the trainees, upon completion of the program, to have a thorough exposure to the principles underlying the conduct of biomedical research.

Antarctic Artists and Writers Program

This program supports writing and artistic projects specifically designed to increase understanding and appreciation of the Antarctic and of human activities on the southernmost continent. Program furnishes U.S. Antarctic Program operational support, and round-trip economy air tickets between the United States and the Southern Hemisphere, to artists and writers whose work requires them to be in the Antarctic to complete their proposed project. The program does not provide any funding to participants, including for such items as salaries, materials, completion of the envisioned works, or any other purpose. Instead of money, the award consists of provision, without charge, of U.S. Antarctic Program field resources in areas of Antarctica and/or the Southern Ocean.

Division of Integrative Organismal Systems

The Division of Integrative Organismal Systems (IOS) supports research aimed at understanding why organisms are structured the way they are and function as they do. Proposals should focus on organisms as a fundamental unit of biological organization. Principal Investigators (PIs) are encouraged to apply systems approaches that will lead to conceptual and theoretical insights and predictions about emergent organisinal properties. Areas of inquiry include, but are not limited to, developmental biology and the evolution of developmental processes, nervous system development, structure, and function, physiological processes, functional morphology, symbioses, interactions of organisms with biotic and abiotic environments, and animal behavior. Proposals may be submitted to the two tracks described in this solicitation. All investigator-initiated proposals submitted to the Core track of this solicitation must now be invited based on merit review of preliminary proposals. There is a single submission deadline with a limit of 2 preliminary proposals per investigator per year as PI or Co-PI in response to the Core track of this solicitation. Please see the GPG for definition of roles for PI and Co-PI. There are no limits on the number of proposals you can participate on as collaborator. These PI/Co-PI limits do not apply to full proposals submitted to the EDGE track of this solicitation, which has no PI or Co-PI limits on number of proposals submitted. The PI/Co-PI limits apply only to the preliminary proposals submitted to the Core track of this solicitation and do not pertain to proposals submitted in response to other NSF solicitations.
Division of Integrative Organismal Systems

National Science Foundation


Contact: varies with research intent

Solicitation number: NSF 16-505

This program supports research aimed at understanding why organisms are structured the way they are and function as they do. Proposals should focus on organisms as a fundamental unit of biological organization. Principal Investigators (PIs) are encouraged to apply systems approaches that will lead to conceptual and theoretical insights and predictions about emergent organismal properties. Areas of inquiry include, but are not limited to, developmental biology and the evolution of developmental processes, nervous system development, structure, and function, physiological processes, functional morphology, symbioses, interactions of organisms with biotic and abiotic environments, and animal behavior. Proposals are welcomed in all of the core scientific program areas supported by the Division of Integrative Organismal Systems. Proposals may be submitted to the two tracks described in this solicitation: (1) the Core Track with four clusters (Behavioral Systems Cluster, Developmental Systems Cluster, Neural Systems Cluster, and Physiological and Structural Systems Cluster) and (2) the EDGE Track, which supports projects from individual investigators, small groups of collaborators, or larger collaborative teams who aim to develop functional genomic tools and infrastructure for manipulating genes in diverse organisms. The estimated budget and average award size/duration are subject to availability of funds and the quality of proposals received.

Cyber-Physical Systems (CPS)

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


Contact: Varies with research interest

Solicitation number: NSF 16-549

The goal of the CPS program is to develop the core system science needed to engineer complex cyber-physical systems upon which people can depend with high confidence. The program aims to foster a research community committed to advancing research and education in CPS and to transitioning CPS science and technology into engineering practice. By abstracting from the particulars of specific systems and application domains, the CPS program seeks to reveal cross-cutting fundamental scientific and engineering principles that underpin the integration of cyber and physical elements across all application sectors. To expedite and accelerate the realization of cyber-physical systems in a wide range of applications, the CPS program also supports the development of methods, tools, and hardware and software components based upon these cross-cutting principles, along with validation of the principles via prototypes and testbeds. Three types of research and education projects -- differing in scope and goals -- will be considered through this solicitation: 1) Breakthrough projects must offer a significant advance in fundamental CPS science, engineering and/or technology that has the potential to change the field. This category focuses on new approaches to bridge computing, communication, and control. Funding for Breakthrough projects may be requested for a total of up to $500K for a period of up to three years; 2) Synergy projects must demonstrate innovation at the intersection of multiple disciplines, to accomplish a clear goal that requires an integrated perspective spanning the disciplines. Funding for Synergy projects may be requested for a total of $500K to $1M for a period of three to four years; and 3) Frontier projects must address clearly identified critical CPS challenges that cannot be achieved by a set of smaller projects. Funding may be requested for a total of $1M to $7M for a period of four to five years.

Tectonics

National Science Foundation, Geosciences (GEO)


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

Solicitation number: NSF 16-556

The Tectonics Program supports a broad range of field, laboratory, computational, and theoretical investigations aimed at understanding the deformation of the terrestrial continental lithosphere (i.e. above the lithosphere-asthenosphere boundary). The Program focuses on deformation processes and their tectonic drivers that operate at any depth within the continental lithosphere, on time-scales of decades/centuries (e.g. active tectonics) and longer, and at micro- to plate boundary/orogenic belt length-scales. Anticipated funding is $9.25M, annually. The estimated number of awards is 40 to 50 standard or continuing grants per year.
Alliances for Graduate Education and the Professoriate (AGEP) - Limited Submission

National Science Foundation


Contact: Mark Leddy, 703/292-4655, mleddy@nsf.gov

Solicitation number: NSF 16-552

This program seeks to advance knowledge about models to improve pathways to the professoriate and success for historically underrepresented minority doctoral students, postdoctoral fellows and faculty, particularly African Americans, Hispanic Americans, American Indians, Alaska Natives, Native Hawaiians, and Native Pacific Islanders, in specific STEM disciplines and/or STEM education research fields. New and innovative models are encouraged, as are models that reproduce and/or replicate existing evidence-based alliances in significantly different disciplines, institutions, and participant cohorts. The AGEP program goal is to increase the number of historically underrepresented minority faculty, in specific STEM disciplines and STEM education research fields, by advancing knowledge about pathways to career success. The program objectives include: To support the development, implementation and study of innovative models of doctoral education, postdoctoral training, and faculty advancement for historically underrepresented minorities in specific STEM disciplines and/or STEM education research fields; and to advance knowledge about the underlying issues, policies and practices that have an impact on the participation, transitions and advancement of historically underrepresented minorities in the STEM academy. A maximum of $2M for each of 5-6 new AGEP Transformation Alliances is anticipated.

Science Learning+ Partnership Grants

National Science Foundation


Contact: Catherine Eberbach, 704/292-4960, ceberbac@nsf.gov

Solicitation number: NSF 16-548

Science Learning+ is an open call for proposals for Partnership Grants through an international partnership between the NSF and the Wellcome Trust with the UK Economic and Social Research Council (ESRC). The aims of Science Learning+ are to strengthen the research and knowledge base; bridge the practice and research gap; and/or share knowledge and experience in informal science, technology, engineering and mathematics (STEM) experiences. Proposals must address at least one priority area and include: collaborations between at least one organization in the US and one in the UK/Republic of Ireland. In addition, the proposal should include a substantive research program, not solely a public engagement activity; genuine partnerships between researchers and practitioners of STEM engagement; experts from more than one STEM area; and more than one informal STEM learning location, platform, or environment. The maximum award size is $2.4M/£1.5M, with a duration of up to five years. For longitudinal studies, durations of greater than five years may be requested; the maximum award does not change.

Presidential Awards for Excellence in Science, Mathematics and Engineering Mentoring (PAESMEM)

National Science Foundation, Education and Human Resources (EHR)


Contact: Martha James, 703/292-9019, mjames@nsf.gov

Solicitation number: NSF 16-534

PAESMEM is a Presidential award established by the White House in 1995. Nominations, including self-nominations, are invited for "Individual" and "Organizational" PAESMEM awards. Individuals and organizations in all public and private sectors are eligible including industry, academia, K-12, military and government, non-profit organizations, and foundations. Exceptional STEM or STEM-related mentoring in both formal and/or informal settings is eligible for the PAESMEM award. Nominations are encouraged from all geographical regions in the U.S. including its territories and particularly jurisdictions designated by Congress under NSF's Experimental Program to Stimulate Competitive Research (EPSCoR). Each "Individual" or "Organizational" PAESMEM awardee will receive a $10K award and a commemorative Presidential certificate. Awardees are also invited to participate in an award recognition ceremony in Washington, DC that includes meetings with STEM educators, researchers and policy leaders. Up to 16 awards may be made from the nominations received on or before June 17, 2016.
Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science (NSF INCLUDES) is a comprehensive national initiative designed to enhance U.S. leadership in science, technology, engineering and mathematics (STEM) discoveries and innovations focused on NSF’s commitment to diversity, inclusion, and broadening participation in these fields. NSF INCLUDES supports efforts to develop talent from all sectors of society to build the STEM workforce. The initiative aims to improve the preparation, increase the participation, and ensure the contributions of individuals from groups that have traditionally been underrepresented and underserved in the STEM enterprise, including women, members of racial and ethnic groups, persons with disabilities, and persons with low socio-economic status. Significant advancement of these groups will result in a new generation of promising STEM talent and leadership to secure our nation’s future in science and technology.

In FY 2016, the NSF INCLUDES initiative invites proposals for Design and Development Launch Pilots, which are pilot projects that represent bold, innovative ways for solving a broadening participation (BP) challenge in STEM. The Launch Pilots will be funded for up to two years, for a maximum of $300K. Successful pilots will deliver models or prototypes for collective efforts aimed at increasing the active participation of those who have been traditionally underserved and underrepresented in all fields of STEM. Teams of organizations might come together locally, regionally, nationally, or by disciplinary focus. Key to a successful proposal will be the identification of a specific goal and measurable objectives, and an argument that the set of partners being assembled includes all who are needed to successfully address the objective. The plan must articulate its potential for scaling. These planning and start-up activities are aimed at engaging appropriate communities in testing the feasibility of developing a full-scale plan and process for change, including identifying other support mechanisms for sustaining the efforts. Early in the first year, the partners are expected to refine their collective commitment to a common set of objectives and plans to achieve them. No later than the second year, successful teams are expected to carry out and report on the results of projects to demonstrate their ability to implement a collective impact-style approach to address the selected BP challenge. Early in FY 2017, the successful Design & Development Launch Pilots will share their goals and plans in a live event and/or webinar with one another, the broader community, and NSF, enabling all to learn from their pilot project experiences. This effort will facilitate the formation of NSF INCLUDES Alliances.

GeoPrisms Program

National Science Foundation, Geosciences (GEO)

Contact: Varies with research interest

NSF invites proposals directed towards the program elements listed in the special-focus section of the FOA. GeoPRISMS will carry out interdisciplinary investigations of the coupled geodynamics, earth surface processes and climate interactions that build and modify continental margins over a wide range of time scales. GeoPRISMS investigations should be aimed towards a comprehensive understanding of the observable system properties, and can include theoretical, numerical and experimental studies, as well as field investigations.
Faculty Early Career Development Program (CAREER) 2016

National Science Foundation

Contact: 703/292-5111, info@nsf.gov
Solicitation number: NSF 15-555

The Faculty Early Career Development (CAREER) Program is a Foundation-wide activity that offers the National Science Foundation's most prestigious awards in support of junior faculty who exemplify the role of teacher-scholars through outstanding research, excellent education and the integration of education and research within the context of the mission of their organizations. Such activities should build a firm foundation for a lifetime of leadership in integrating education and research. The Presidential Early Career Awards for Scientists and Engineers (PECASE) from among the most meritorious recent CAREER awardees. Selection for this award is based on two important criteria: 1) innovative research at the frontiers of science and technology that is relevant to the mission of NSF, and 2) community service demonstrated through scientific leadership, education or community outreach. These awards foster innovative developments in science and technology, increase awareness of careers in science and engineering, give recognition to the scientific missions of the participating agencies, enhance connections between fundamental research and national goals, and highlight the importance of science and technology for the Nation's future.

Law & Social Sciences (LSS)

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

Contact: Helena Silverstein, 703/292-7023, hsilvers@nsf.gov
Solicitation number: NSF 15-514

This program considers proposals that address social scientific studies of law and law-like systems of rules. The program is inherently interdisciplinary and multi-methodological. Successful proposals describe research that advances scientific theory and understanding of the connections between law or legal processes and human behavior. LSS provides the following modes of support: 1) Standard Research Grants and Grants for Collaborative Research; 2) Doctoral Dissertation Research Improvement Grants; 3) Interdisciplinary Postdoctoral Fellowships; and 4) Workshop and Conference Proposals. Approximately 75 awards will be made.

Division of Environmental Biology (CORE programs) (DEB)

National Science Foundation, Biological Sciences (BIO)

Contact: 703/292-8480, debquestions@nsf.gov
Solicitation number: NSF 15-609

This program supports fundamental research on populations, species, communities, and ecosystems. Scientific emphases range across many evolutionary and ecological patterns and processes at all spatial and temporal scales. Areas of research include biodiversity, phylogenetic systematics, molecular evolution, life history evolution, natural selection, ecology, biogeography, ecosystem structure, function and services, conservation biology, global change, and biogeochemical cycles. About 200 awards will be made each year. The Division also welcomes proposals for Small Grants to the core programs via this solicitation. Projects intending total budgets of $150K or less should be identified as such with the designation "SG:" as a prefix to the project title. These awards are intended to support full-fledged research projects that simply require smaller budgets. Small Grant projects will be assessed based on the same merit review criteria as all other proposals.
**Long-Term Ecological Research (LTER)**

National Science Foundation

Contact: Saran Twombly, 703/292-8133, stwombly@nsf.gov

Solicitation number:

NSF currently supports 25 LTER research sites and, through this solicitation, invites proposals to establish three new LTER sites. Research proposals should address questions in one of two broad ecosystems: (2) Arid/semi-arid ecosystems: The Division of Environmental Biology (DEB) anticipates support and management of one new site with a focus on arid or semi-arid ecosystems. The location of the research site for proposals submitted to develop a new arid/semi-arid ecosystem LTER must be within the United States, including its territories and protectorates. (1) Ocean/coastal ocean ecosystems: The Division of Ocean Sciences (OCE) anticipates support and management of two new sites that focus on ocean or coastal ocean ecosystems; defined as ecological systems from the shoreline outward on continental shelves and including the Laurentian Great Lakes, Congressionally defined as interior oceans. Preference will be given to proposals developing a new ocean/coastal ocean ecosystem LTER site located within the United States, including its territories and protectorates, but other locations are not precluded. Budgets for a new arid or semi-arid site should not exceed $900K per year. New marine sites can request up to $1.127M annually over a period of six years.

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**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 seeks to foster sustainable communities by making grants in the areas of: Sustainable Environments, with the goal of overhauling the country’s low performing infrastructure, much of it outdated and crumbling, with a new approach that will foster healthier, sustainable, and just communities; Strong Local Economies, with the objective supporting the development of robust and sustainable economies that include a diversity of businesses and access to quality jobs; and Thriving Cultures, with the purpose of supporting efforts to encourage teens to explore the arts, involve artists in community development projects and foster the growth and success of local artists as economic engines and agents for social change. 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.

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**Smith Richardson Foundation Grants**

Smith Richardson Foundation

https://fdo.foundationcenter.org/grantmaker-profile?collection=grantmakers&key=RICH009

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/Global-Citizenship/Strategic-Grants
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
https://mellon.org/programs/
Contact: Varies with research interest
Solicitation number:
The foundation supports grantees within five defined program areas: Higher Education and Scholarship; Scholarly Communications; Arts and Cultural Heritage; International Higher Education and Strategic Projects; and Diversity. 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
National Geographic Society
Contact: waitt@ngs.org
Solicitation number:
Grants are made for exploratory fieldwork that holds promise for new breakthroughs in the natural and social sciences. Applications are processed as they are received and awarded quickly to allow researchers to take advantage of immediate opportunities. About 100 grants of $5K to $15K are awarded annually. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.
**Public Welfare Grants**

The Foundation supports efforts to advance justice and opportunity for people in need. The Foundation looks for strategic points where its funds can make a significant difference and improve lives through policy change and system reform. The three program areas of focus are: Criminal Justice, Juvenile Justice and Workers' Rights. 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**

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.

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**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.

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**Lumina Grants**

Lumina Foundation

http://www.luminafoundation.org/grants.html

Contact: Candace Brandt, 317/951-5300

Solicitation number:

Lumina's overarching goal is to increase the higher education attainment rate of the United States to 60 percent by 2025. Lumina supports efforts to increase awareness of the benefits of higher education, improve student access to and preparedness for college, improve student success in college, and increase productivity across the higher education system. Grants vary in size by their scope. The median size of a grant is approximately $250K. The usual duration for a grant is one to three years. Unsolicited inquiries are reviewed until September, and selected applicants will be invited to send in 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.

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**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: 212/517-5400, grantapplication@pkf.org

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 ranges from $5K to $30K. 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

**Funding for Readings and Workshops**
Poets & Writers

[http://www.pw.org/content/funding_readingsworkshops](http://www.pw.org/content/funding_readingsworkshops)

Contact: 310/481-7195

Solicitation number:

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

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Ongoing

**Mott Foundation Grants**

The Charles Stewart Mott Foundation


Contact:

Solicitation number:

The Charles Stewart Mott Foundation supports efforts in civil society, the environment, and pathways out of poverty. The median grant size is in the $100K range. The majority of grants are between $15K and $250K annually. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

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Ongoing

**Swiss International Short Visits**

Swiss National Science Foundation


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.

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Ongoing

**Humanities Program Grants**

The Gladys Krieble Delmas Foundation

[http://delmas.org/programs/](http://delmas.org/programs/)

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.
Brain and Behavior Research Grants

Brain & Behavior Research Foundation
http://bbrfoundation.org/narsad-grants-and-prizes

Contact: grants@bbrfoundation.org

Solicitation number:

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

CASIS Unsolicited Proposals

Center for the Advancement of Science in Space
http://www.iss-casis.org/Opportunities/UnsolicitedProposals.aspx

Contact: ideas@iss-casis.org

Solicitation number:

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

Thriving Cultures Program

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

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

Solicitation number:

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

Oak Ridge Institute for Science and Education (ORISE)
http://see.orau.org/ProgramDescription.aspx?Program=10056

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

Solicitation number:

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

Fulbright Specialist Program

Council for International Exchange of Scholars
http://www.cies.org/specialists/

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

Solicitation number:

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

Sundance Documentary Fund

Sundance Institute
http://www.sundance.org/programs/documentary-film

Contact: dfp@sundance.org

Solicitation number:

The Sundance Documentary Fund provides grants to filmmakers worldwide for projects that display: artful and innovative storytelling, contemporary relevance, originality and feasibility, the potential to reach and connect with its intended audience. Development grants provide funds of up to $20K. There is no reel required with an application, but clips, teasers, trailers, or images are highly encouraged. A previous work sample is required. Production/Post-Production grants provide up to $50K to fund projects offering approximately 10 or more minutes of edited material for the project being proposed. The reel should convey the narrative and aesthetic approach for the final film. A previous sample work must also be included with the application. Audience Engagement grants provide up to $20K to previously granted projects funding for strategic audience and community engagement campaigns. Additional opportunities by nomination. 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 Research Projects**

Gerda Hengel Foundation

[http://www.gerda-henkel-stiftung.de/research_grants](http://www.gerda-henkel-stiftung.de/research_grants)

Contact:

Solicitation number:

The grants for research projects involve, depending on the type of project, the assumption of costs for personnel, travel, materials and/or other costs. The applicants must be actively involved in the research work of the project. It is possible to apply for financing for your own post at a research establishment. The precondition: you have successfully completed your Ph.D. and afterwards have at least five years professional experience working in an academic field. Project participants can also be financed in the form of a research scholarship. As part of a research project, the costs incurred of visiting (foreign) scholars can also be financed. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Ongoing

**Research Grants for PhD Candidates**

Horowitz Foundation for Social Policy


Contact:  info@horowitz-foundation.org

Solicitation number:

The Foundation makes targeted grants for work in all major areas of the social sciences, including anthropology, area studies, economics, political science, psychology, sociology, and urban studies, as well as newer areas such as evaluation research. Preference is given to projects that address contemporary issues in the social sciences and issues of policy relevance. Candidates may propose new projects or they may solicit support for research in progress, including final work on a dissertation, supplementing research funds for a work in progress, or travel funds. Grants reach up to $7.5K. 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

**Practitioner Bellagio Residency**

Rockefeller Foundation


Contact:  212/869-8500

Solicitation number:

The Bellagio Residency program offers academic, artists, thought leaders, policymakers, and practitioners a setting conducive to goal-oriented work and the opportunity to establish new connections with fellow residents from a stimulating array of disciplines and geographies. The Bellagio Center community generates new knowledge to solve some of the most complex issues facing our world and creates art that inspires reflection and understanding on global and social issues. Residencies last between two to four weeks. We are interested in practitioner applicants whose work contributes to the well-being of humankind and/or connects with the Rockefeller Foundation’s issue areas of Advance Health, Revalue Ecosystems, Secure Livelihoods, and Transform Cities. 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

**Open Society Fellowship**

Open Society Foundations

[http://www.opensocietyfoundations.org/grants/open-society-fellowship](http://www.opensocietyfoundations.org/grants/open-society-fellowship)

Contact:  OSFellows@opensocietyfoundations.org

Solicitation number:

The Open Society Fellowship supports individuals pursuing innovative and unconventional approaches to fundamental open society challenges. The fellowship funds work that will enrich public understanding of those challenges and stimulate far-reaching and probing conversations within the Open Society Foundations and in the world. A fellowship project might identify a problem that has not previously been recognized, develop new policy ideas to address familiar problems, or offer a new advocacy strategy. Project themes should cut across at least two areas of interest to the Open Society Foundations. Among these are human rights, government transparency, access to information and to justice, and the promotion of civil society and social inclusion. Full-time fellows may receive up to a $100K stipend.
Ongoing

**Global Research Outreach (GRO) Program**

Samsung

http://www.sait.samsung.co.kr/sait/home/Page.do?method=main&pagePath=01_about/&pageName=gro_overview

Contact: gro.usa@samsung.com

Solicitation number:

The SAMSUNG Global Research Outreach (GRO) Program seeks applications that propose novel research ideas and to work with our R&D teams to foster technological innovation. This has resulted in actively collaborative relationships with over 100 leading universities worldwide. Selected GRO applicants will receive financial support for their proposed project, up to USD $100,000 per year. This funding may be renewed for up to three years, based on measured annual research outcomes and necessity for further research partnership determined by SAMSUNG.

Ongoing

**Targeted Grants in Mathematics and Physical Sciences**

Simons Foundation

https://www.simonsfoundation.org/funding/funding-opportunities/mathematics-physical-sciences/targeted-grants-in-mps/

Contact: Elizabeth Roy, 212-524-6966, mps@simonsfoundation.org

Solicitation number:

The program is intended to support high-risk projects of exceptional promise and scientific importance on a case-by-case basis. A typical Targeted Grant in MPS provides funding for up to five years. The funding provided is flexible and based on the type of support requested in the proposal. Expenses for experiments, equipment, or computations, as well as for personnel and travel, are allowable.

Ongoing

**Advancing Wellness Grants Program**

The California Wellness Foundation

http://www.calwellness.org/how_to_apply/

Contact:

Solicitation number:

The Advancing Wellness grants program includes four grantmaking portfolios: (1) Bridging the Gaps in Access and Quality Care; (2) Promoting Healthy and Safe Neighborhoods; (3) Expanding Education and Employment Pathways; and (4) Opportunity Fund. The establishment of these portfolios is grounded in research on the social determinants of health, which states that where people live and work, their race or ethnicity, and their income can impact their health and wellness. The desire is to help level the playing field so that everyone has access to good-paying jobs, safe neighborhoods and quality health care services. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

5/16/2016 Proposal

**Team-based Research Pursuits**

National Socio-Environmental Synthesis Center

https://www.sesync.org/opportunities/propose-a-pursuit

Contact: research@sesync.org

Solicitation number:

SESYNC invites proposals for collaborative team-based research (Pursuits) under the following 9 Themes: Ecological Wealth & Changing Human Populations; Globalization & Socio-Environmental Systems; Assessment & Modeling of Ecosystem Services; Water, People & Ecosystems; Learning to Integrate Across Natural & Social Sciences; Biodiversity & Ecosystem Services; Building Resources for Complex Action-Oriented Team Science; Social & Environmental Dimensions of the Food–Energy–Water Nexus; and Data-Intensive Analysis & Modeling for Socio-Environmental Synthesis. Teams should be comprised of no more than 15 members who will meet at our Center in Annapolis for 3–4 meetings of approximately 3–5 days over a period of 1–2 years. The composition and number of participants in a Pursuit will vary depending upon the nature of the research problem and the expertise needed to address it. Teams should be highly interdisciplinary, and we encourage the inclusion of individuals from outside of academia (e.g., governmental agencies, non-governmental organizations, the business sector, etc.). SESYNC places priority on teams whose members have not had extensive prior collaborations with one another. Support for Pursuits includes travel, lodging, and meals for participants.
**System Level Design**

Semiconductor Research Corporation

[https://www.src.org/compete/s201608/](https://www.src.org/compete/s201608/)

Contact: LaTanya Holmes, latanya.holmes@src.org

Solicitation number:

This FOA is soliciting white papers in the area of System Level Design. Only a very limited number of white papers will receive eventual funding. This call, issued to universities worldwide, may be addressed by an individual investigator or a research team. Our selection process is divided into two stages. Interested parties are requested to submit a brief 1-page white paper, which should identify what can be done in a two-year period beginning December 1, 2016, and what could be done additionally if a third year is requested. (Please specify the third-year goals separately.) Two-year-only white papers are also acceptable. A successfully selected white paper will result in an invitation to submit a full proposal, with recommendation that the proposal will be written for 2 years or 3 years. These proposals will be further down-selected for research contracts. The number and size of the contracts awarded will be determined by the availability of funds, and by the number of high-quality proposals. Contracts awarded normally support 1-2 graduate students. The funding level requested will be a factor in the selection process.

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**Core Funding Programs**

The Michael J. Fox Foundation for Parkinson’s Research

[http://www.michaeljfox.org/research_fundingOpportunities.cfm](http://www.michaeljfox.org/research_fundingOpportunities.cfm)

Contact: Mark Frasier, 212/509-0995 x244, mfrasier@michaeljfox.org

Solicitation number:

The foundation works to accelerate promising research toward breakthroughs for Parkinson's patients. While the foundation's strong emphasis is on funding translational and clinical research, they also support high-risk/high-reward discovery work. In addition to funding, awardees benefit from working with their internal research staff and broad network of scientific and industry advisors. The foundation supports three core funding opportunities: 1) Target Advancement; 2) Therapeutic Development; and 3) Outcome Measures.

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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**Pardee Foundation Grants**

Elsa U. Pardee Foundation

[http://www.pardeefoundation.org/grants.aspx](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.
**2017 Beckman Scholars Program - Limited Submission**
Arnold and Mabel Beckman Foundation

http://www.research.ucsb.edu/media/213275/2017-bsp-application-overview.pdf

Contact: beckmanscholarsprogram@beckman-foundation.com

Solicitation number:

This program helps stimulate, encourage and support research activities by exceptionally talented, full-time undergraduate students. These research activities should be centered in chemistry, biochemistry, the biological and medical sciences or some interdisciplinary combination of these subjects. The research activities performed by Beckman Scholars shall be conducted under the guidance of a full-time, approved faculty member at the college or university receiving an award. The research work performed by the Scholar shall be deemed to be publishable by the student’s Faculty Mentor. Such activities must be performed part-time (ten hours per week) during one academic year and full-time over two summers (ten 40-hour weeks each summer) immediately before and after the academic year research experience. Students will be named as Beckman Scholars in the spring of their freshman through junior years at their university or college. Once selected to be a Beckman Scholar, a student will retain the funding as long as he/she continues to excel academically and his/her research work shows satisfactory progress. The amount of funding for the 2016 Beckman Scholars Program is $26K; $21K specifically for the Scholar and $5K for the Scholar’s Mentor.

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**Terra Foundation Academic Program Grants**
Terra Foundation for American Art

http://www.terraamericanart.org/what-we-offer/grant-fellowship-opportunities/academic-program-grants/

Contact: Amy Gunderson, grants@terraamericanart.org.

Solicitation number:

The foundation actively supports projects that encourage international scholarship on American art topics, as well as scholarly projects with focused theses that further research of American art in an international context. Academic program funding is available for symposia, colloquia, and convenings that advance scholarship in the field of American art (circa 1500–1980) that take place in Chicago or outside the United States, or in the United States and examine American art within an international context and/or include a significant number of international participants. Grant size varies by program area and by project.

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**Policies for Action: Policy and Law Research to Build a Culture of Health**
Robert Wood Johnson Foundation


Contact: Bethany Saxon, 215/204-2134

Solicitation number:

This FOA was created to help build an evidence base for policies that can lead to a Culture of Health. P4A seeks to engage long-standing health and health care researchers, as well as experts in fields like housing, education, transportation, and the built environment, to name a few, who have not worked in health before. The goal is to develop research that generates actionable evidence—the data and information that can guide legislators and other policymakers, public agencies, educators, advocates, community groups, and individuals. The research may examine established laws, regulations, and policies as well as potential new policies and approaches. The research funded under this call for proposals (CFP) should inform the significant gaps in our knowledge regarding what policies can serve as levers to improve population health and well-being, and achieve greater levels of health equity. Each grant will award up to $250K for a maximum funding period of 24 months.
Damon Runyon-Rachleff Innovation Award
Damon Runyon Cancer Research Foundation
https://www.damonrunyon.org/for-scientists/application-guidelines/innovation
Contact: 212/455-0520, awards@damonrunyon.org

Solicitation number:

This award is designed to provide support for the next generation of exceptionally creative thinkers with “high-risk/high-reward” ideas that have the potential to significantly impact our understanding of and/or approaches to the prevention, diagnosis or treatment of cancer. The Innovation Award is specifically designed to provide funding to extraordinarily creative young investigators who have an innovative idea but lack sufficient preliminary data to obtain traditional funding. It is not designed to fund incremental advances. The research supported by the award must be novel, exceptionally creative and, if successful, have the strong potential for high impact in the cancer field. Awards are made to institutions for support of the Damon Runyon-Rachleff Innovation Investigators. All awards are approved by the Board of Directors of the Damon Runyon Cancer Research Foundation acting upon the recommendation of the Innovation Award Committee. The Stage 1 award will be for two years, $150K per year ($300K total) with the opportunity for up to two additional years of funding (up to four years total for $600K). Stage 2 support for years three and four will be granted to those awardees who demonstrate progress on their proposed research during years one and two of the award.

Investigators in the Pathogenesis of Infectious Disease - Limited Submission
Burroughs Wellcome Fund
Contact: Jean Kramarik, 919/991-5122, jkramarik@bwfund.org

Solicitation number:

Five-year awards provide $500K for accomplished investigators at the assistant professor level to study pathogenesis, with a focus on the intersection of human and microbial biology. The program is intended to shed light on the overarching issues of how human hosts handle infectious challenge. 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 advancing significantly the biochemical, pharmacological, immunological, and molecular biological understanding of how infectious agents and the human body interact. 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. Candidates must have an established record of independent research and hold a tenure-track position as an assistant professor or equivalent (at the time of application) at a degree-granting institution. OR has not received any notices of intent. Contact funding@research.ucsb.edu if you are interested in submitting.

Research Associateship Programs
National Academy of Sciences
http://sites.nationalacademies.org/PGA/RAP/PGA_050491
Contact: 202/334-2760, rap@nas.edu

Solicitation number:

The National Research Council provides Research Associateships at participating federal laboratories and research organizations to outstanding scientists and engineers at the postdoctoral and senior level. Applicants select an appropriate laboratory and submit a research plan that relates to the specific opportunity at the sponsoring lab. Selected associates receive a stipend and usually spend a year as a guest investigator. Note that not all sponsors participate in all four review deadlines. Applicants should refer to the specific information for the laboratory to which they are applying. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

UC and State of California
Resident Scholars Program

UC MEXUS

http://www.ucmexus.ucr.edu/funding/resident-scholars-program.html

Contact: Wendy DeBoer, 951/827-7339, wendy.deboer@ucr.edu

Solicitation number:

The UC MEXUS offers an academic residency program for researchers, scholars and artists at critical junctures in their academic careers. The Institute offers a place for reflection and writing as well as opportunities to interact with the University community. Resident scholars must be self-supporting, as the program does not provide salary. The program offers three types of residencies: 1) Graduate students, 2) recent university graduates, and 3) visiting faculty. Up to four concurrent residencies are available at a time. Please consult UC MEXUS to determine if any positions remain open.

5/27/2016 Application

Chicano Studies Institute Small Conference Grants

University of California

https://oru.research.ucsb.edu/csi/?page_id=531

Contact: Raphaëlla Nau, 805/893-5315, Raphaella.Nau@ucsb.edu

Solicitation number:

This FOA is aimed at providing support to faculty for small research conferences e.g., workshops, symposia, focused speaker series. Faculty members in social sciences, education, humanities, and related fields are invited to apply. Consistent with the goals of the Chicano Studies Institute, this opportunity will support conferences focusing on Latina/o related research topics. It is anticipated that three awards of $4.5K will be given out.

6/2/2016 Letter of Intent (required)
8/4/2016 Full Proposal (UC-NL CRT)
9/8/2016 Full Proposal (UC-NL GF)

UC Laboratory Fees Research Program

University of California

http://ucop.edu/research-initiatives/programs/lab-fees/application-information.html

Contact: UCRI@ucop.edu

Solicitation number:

This program supports two funding opportunities: 1) Targeted UC Multicampus-National Lab Collaborative Research and Training (UC-NL CRT) Awards which require proposals to focus on collaborative research and training activities in one of the following three targeted areas identified for high-impact research realized through UC-national lab synergy: Biological applications of advanced computing, High energy density science, and Mesoscale materials science; and 2) UC-National Lab In-Residence Graduate Fellowships (UC-NL GF) which apply to UC graduate students who meet certain criteria (see full FOA).

6/6/2016 Full Proposal (by invitation only)

UC Cures for Alzheimer’s Disease Initiative: A University of California-wide RFA - Limited Submission

University of California

http://ctri.ucsd.edu/news/Pages/ClinicalTranslationinAlzheimersDiseaseAUniversityofCalifornia-wideRFAforCures.aspx

Contact: alzrfa-adcs@ucsd.edu

Solicitation number:

The University of California (UC) has launched a new $4 M Alzheimer’s Disease Initiative to support novel clinical studies. This initiative, UC Cures for Alzheimer’s Disease, was created to accelerate the most promising Alzheimer’s disease research. Projects could be proof-of concept clinical trials or studies to validate a novel biomarker or imaging modality. Sponsored by the UC Office of the President with a foundational grant of $4 million, the UC Cures initiative invites hundreds of laboratories throughout the 10-campus system to find new answers to Alzheimer’s disease and related disorders. The initiative will fund two projects selected by an independent review committee comprised of experts both within and outside UC, providing $1 million annually for two years from the Office of the President. Matching funds from the campus of origin can also be used. Each proposal will include collaboration across at least two UC campuses. Applicants are also encouraged to partner with external public or private entities, such as foundations or industry.