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

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THE FUTURE OF COLLABORATIONS WITH LAWRENCE LIVERMORE NATIONAL LAB
Kim Budil, the UC Vice President for National Laboratories, will visit campus on Monday, July 9th. The topic of her visit is the soon to be renovated Hertz Hall complex, located in the open campus of Lawrence Livermore National Lab. She, and her colleague June Yu, the Executive Director of the National Laboratory Programs, would like to hear from our campus what ideas we have for possible use of the Hertz Hall Space - especially new kinds of programming and collaborations. They have several research focus areas:

- Advanced Materials and Manufacturing
- Energy Security
- Data Science
- High Energy Density Science
- National Security and Policy Nexus
- High Performance Computing
- STEM Education and Programs

If you would like to speak to Kim Budil and are on campus that day, please fill out this doodle poll with your availability: https://doodle.com/poll/wdxrt829w7c5ucqx

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: STEM Education for the Future

Through this STEM Education for the Future Dear Colleague Letter (DCL), existing NSF education and workforce development programs encourage innovative proposals to prepare scientists and engineers for work in new contexts created by technology and big data. Specifically, through this DCL, NSF aims to support STEM educational research and development projects whose results can enable our country to: better prepare its scientific and technical workforce for the future; use technological innovations effectively for education; advance the frontiers of science; and adapt to both new work environments and new education pathways needed to prepare students at all levels for those environments.

Dear Colleague Letter: Removal of Deadlines for the Core Programs in the Directorate for Engineering

In order to allow Principal Investigators (PIs) more flexibility and to better facilitate interdisciplinary research across engineering disciplines, ENG is removing deadlines for submission of unsolicited proposals to all core programs in CBET, CMMI, ECCS and EEC, effective August 15, 2018. For those unfamiliar with the no-deadline submission process, Frequently Asked Questions (FAQs) and other relevant information will be provided on CBET, CMMI, ECCS and EEC webpages.
Dear Colleague Letter: Discoveries to Revolutionize Engineering and Architectural Materials for Buildings (DREAM-B)
With this Dear Colleague Letter (DCL), Discoveries to Revolutionize Engineering and Architectural Materials for Buildings, the National Science Foundation (NSF) invites proposals to the Engineering for Civil Infrastructure (ECI) program for EARly-concept Grants for Exploratory Research (EAGER) for high risk/high reward fundamental research to investigate wholly new materials and radical changes in the design of conventional materials, through the adaptation and integration of advanced technologies, to enable high performance buildings (structural systems, foundation systems, and building envelopes).

Dear Colleague Letter: Programmatic Changes to the Evolutionary Processes Cluster in the Division of Environmental Biology
The Evolutionary Processes Cluster has merged the two programs, Evolutionary Ecology and Evolutionary Genetics, into a single Evolutionary Processes (EP) Program. There is no change in the scope of topics that should be submitted to the Evolutionary Processes Program; any topic that would have been submitted to Evolutionary Ecology or Evolutionary Genetics should now be submitted to Evolutionary Processes. This includes proposals submitted in response to the Division of Environmental Biology core solicitation as well as proposals submitted in response to the Faculty Early Career Development (CAREER), Research Coordination Network, Long Term Research in Environmental Biology, and Opportunities for Promoting Understanding through Synthesis solicitations.

Dear Colleague Letter: Scalable Cyberinfrastructure to Accelerate Data-Driven Science and Engineering Research
Through this Dear Colleague Letter (DCL), the Office of Advanced Cyberinfrastructure (OAC) encourages submission of proposals to the Cyberinfrastructure for Emerging Science and Engineering Research (CESER) program for scalable data-driven cyberinfrastructure (CI) exemplars that will accelerate discovery for one or more science and engineering research communities, capitalizing on and enhancing existing NSF priority investments.

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

Programs with upcoming campus deadlines include:
• NASA Space Technology Research Institutes—Notice of Intent 7/7/2018; Preliminary Application 7/30/2018; Proposal (by invitation only) 11/5/2018
• NIH Bridges to the Doctorate (R25)—Notice of Intent 7/17/2018; Application 9/25/2018
• NIH Institutional Research and Academic Career Development Awards (IRACDA)—Notice of Intent 7/17/2018; Application 9/19/2018
• NIH Bridges to the Baccalaureate (R25)—Notice of Intent 7/19/2018; Application 9/25/2018
Programs with open campus spots (please contact funding@research.ucsb.edu if you are interested in submitting to one of these programs):

- NIH Summer Institute for Research Education in Biostatistics (R25)—Application 6/28/2018
- DOJ Firearm Inquiry Statistics (FIST) Program, 2018-21—Application 7/9/2018
Contract and Grant Awards
May 2018

Data provided by Office of Research. "()" represent investigators' home departments when those are different from the administering unit.

Blaes, O.M., Physics, $278,578, National Aeronautics and Space Administration, "Variability and Spectra of Global Radiation MHD Simulations of AM CVn Accretion Disks."


Bowers, J.E. (Electrical & Computer Engineering), Schow, C.L. (Electrical & Computer Engineering), Institute for Energy Efficiency, $393,000, State University of New York (SUNY), "AIM - Task 4C: High Capacity Photonic Interconnected Systems."

Bowers, J.E. (Electrical & Computer Engineering), Institute for Energy Efficiency, $1,031,968, State University of New York (SUNY), "AIM Photonics - GDP 02: Integrating Mid-Wave and Long-Wave Infrared Laser Sources into AIM Photonics."

Bowers, J.E. (Electrical & Computer Engineering), Klamkin, J. (Electrical & Computer Engineering), Institute for Energy Efficiency, $774,566, State University of New York (SUNY), "AIM - Task 3C: Laser Integration into SUNY Platform with Heteroepitaxy."


Bowers, J.E. (Electrical & Computer Engineering), Meinhart, C.D. (Mechanical Engineering), Institute for Energy Efficiency, $150,000, State University of New York (SUNY), "AIM - Task 7C: Packaged Chemical and Biological Photonic Integrated Circuit Sensors."

Bowers, J.E. (Electrical & Computer Engineering), Aguirre Paden, M.O. (California Nanosystems Institute), Institute for Energy Efficiency, $154,276, State University of New York (SUNY), "Rigidity and buckling of shells: Toward new nonlinear shell theories."

Caselle, J.E., Marine Science Institute, $7,059, Nature Conservancy, "TASK 27:Kelp Workshop and Action Plan."

Craig, N.J., Physics, $100,000, Research Corporation for Science Advancement, "New Approaches to the Hierarchy Problem and Undergraduate Education."

Daly, S., Swaminathan, B., Mechanical Engineering, $70,705, National Aeronautics and Space Administration, "Material Degradation During the Stressed Oxidation of CMCs."

Ding, Q. (geography), Earth Research Institute, $341,590, National Science Foundation, "Collaborative Research: Arctic sea ice variability: Remote drivers and local processes."

Dowdy, E. (Department of Counseling, Clinical, and School Psychology), Moffa, K.T. (Department of Counseling, Clinical, and School Psychology), Gevirtz Graduate School of Education, $1,120, Society for the Study of School Psychology (SSSP), "Exploration of Alternative Approaches to Dual-Continua Mental Health Classification among High School Students."

Eliason Parsons, E.J. (Ecology, Evolution & Marine Biology), Marine Science Institute, $145,730, National Fish and Wildlife Foundation, "Using environmental DNA to Map the presence of aquatic species of interest in watersheds within and near the Copper, Ranch and Sayre fire scars."

Fouque, J. (Statistics & Applied Probability), Institute for Social, Behavioral, & Economic Research, $273,754, National Science Foundation, "Systemic Risk and Mean Field Games."

Friedkin, N. (Sociology), Institute for Social, Behavioral, & Economic Research, $35,907, UC Los Angeles, "Exploration of Alternative Approaches to Dual-Continua Mental Health Classification among High School Students."

Fumerton, P. (English), Interdisciplinary Humanities Center, $50,000, Vanderbilt University (Tennessee), "The World of Print(s): Multiples and Meanings in Early Modern Europe and North America."

Harutyunyan, D., mathematics, $154,276, National Science Foundation-NSF, "Rigidity and buckling of shells: Toward new nonlinear shell theories."

Hawkes, E.W., Mechanical Engineering, $100,000, Stanford University, "Novel Variable Transmission Technology."


Lubin, P.M., Physics, $8,000, UC San Diego, "UCSB Workforce Development 2018 - Directed Energy for Space Applications: Training the next generation of space scientists."


Pruitt, B., Mechanical Engineering, $570,736, National Science Foundation, “Mechanobiology of Epithelial Monolayers under Shear Loading.”

Roberts, D.A., Geography, $35,000, Jet Propulsion Laboratory, “Application of ECOSTRESS Land Surface Temperature to assess urban heat waves and their impacts in Los Angeles County.”


Wei, G., Mathematics, $172,138, National Science Foundation, “Comparison Geometry and Rigidity.”
**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**

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

U.S. Army Corps of Engineers  
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.

**Department of Justice (DOJ)**

**7/9/2018 Application**

**Firearm Inquiry Statistics (FIST) Program, 2018-21 - Limited Submission**

Department of Justice  
https://www.bjs.gov/content/pub/pdf/fist19_sol.pdf  
Contact: Connor Brooks, 202-307-0765, askbjs@usdoj.gov

Solicitation number:
The Bureau of Justice Statistics (BJS) seeks applications for the administration of the Firearm Inquiry Statistics (FIST) Program, which will cover 2018-21 calendar years as reference years. Consistent with the Attorney General’s stated commitment to reducing violent crime and promoting public safety, the FIST program provides national estimates of the total number of firearm purchase applications received and denied pursuant to the Brady Act and state laws. FIST collects counts of firearm transfer applications and permit checks conducted by state and local agencies and combines them with FBI National Instant Criminal Background Check System (NICS) transaction data. The program also collects information on reasons for denials, appeals of these denials, and law enforcement actions the FBI and the Bureau of Alcohol, Tobacco, Firearms and Explosives (ATF) take against denied persons. BJS anticipates that it will make one award of up to $1,600,000, in the form of a cooperative agreement, for a 52-month project period, beginning October 2018.

**Department of the Interior (DOI)**


North American Wetlands Conservation Act Standard Grants
U.S. Fish & Wildlife Service


Contact: Stacy Sanchez, 703/358-2017, stacy_sanchez@fws.gov

Solicitation number:

The Standard Grants Program is a competitive, matching grants program that supports public-private partnerships carrying out projects in Canada, the United States, and Mexico. These projects must involve long-term protection, restoration, and/or enhancement of wetlands and associated uplands habitats. In Mexico, projects may also include technical training, environmental education and outreach, organizational infrastructure development, and sustainable-use studies. Projects require 1-to-1 matching.

National Aeronautics and Space Administration (NASA)

6/28/2018  Step-2

ROSES 2018: Laboratory Analysis of Returned Samples
National Aeronautics and Space Administration

https://nspires.nasaprs.com/external/solicitations/summaryInit.do?solId={AE21662A-94BD-2376-B8F0-C062490E13AD}&path=o

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

Solicitation number: NNH18ZDA001N-LARS

The goal of the LARS 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. Maximum duration of awards is 4 years; shorter-term proposals are encouraged for Development proposals.

6/29/2018  Application

ROSES 2018: Physical Oceanography
National Aeronautics and Space Administration

https://nspires.nasaprs.com/external/solicitations/summaryInit.do?solId={78EFB6F9-B943-22D1-CA1E-576473D3E354}&path=o

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

Solicitation number: NNH18ZDA001N-PO

Three 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, data-derived products, and NASA ocean state estimates (e.g. ECCO - Estimating the Circulation and Climate of the Oceans). Tailoring such proposals to support the objectives and priorities the U.S. CLIVAR Program is encouraged. NASA recommends that proposals focused on a single variable (e.g., sea level, ocean vector winds, salinity) that is already supported by a dedicated science team be submitted to those science team elements in ROSES. 2. Development of novel remote sensing techniques for physical oceanography. NASA has successfully developed remote sensing techniques for ocean surface winds, sea level, sea 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 A.9-2 physical oceanography. This opportunity is NOT for technology or instrument development, but for concept articulation and exploration. 3. The intensity and location of mixing in the ocean remains an area of active research. The third priority area for this year’s announcement is seeking proposals that expand our spatial and temporal estimates of ocean mixing through the use of remote sensing and likely the joint analysis of satellite data sets with in situ ocean mixing (microstructure) data. Award budget pending proposals of merit.
ROSES 2018: Heliophysics Supporting Research

National Aeronautics and Space Administration
https://nspires.nasaprs.com/external/solicitations/summary?limit.do?solId={FED2E80E-E06B-1909-190C-339D1B412574}&path=o
Contact: Arik Posner, 202/358-0727, arik.posner@nasa.gov
Solicitation number: NNH18ZDA001N-HSR

Heliophysics Supporting Research 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 per year – $250K per year. The Heliophysics Supporting Research program is a component of the Heliophysics Research Program and proposers interested in this program element are encouraged to see the overview of the Heliophysics Research Program in Appendix B.1 of this ROSES NASA Research Announcement.

ROSES 2018: Earth Science U.S. Participating Investigator

National Aeronautics and Space Administration
https://nspires.nasaprs.com/external/solicitations/summary?limit.do?solId={C01AB0C4-FDC4-D958-10C3-967947E2D367}&path=o
Contact: Richard Eckman, 202/358-2567, Richard.S.Eckman@nasa.gov
Solicitation number: NNH18ZDA001N-ESUSPI

NASA solicits proposals for USPI investigations on a foreign space mission that address the Earth Science Research Program objectives listed in the NASA Science Plan. This solicitation is for Earth science investigations that address the science questions listed in the NASA Science Plan and that contribute and facilitate access to foreign space agencies’ assets. Awards will be for a maximum of five years. If the proposed investigation is for more than five years, then a continuation proposal may be submitted in response to a future ROSES element for a new award covering a period of up to five additional years.
ROSES 2018: Heliophysics Data Environment Enhancements

The H-DEE program is a component of the Heliophysics Research Program and proposers interested in this program element are encouraged to see the overview of the Heliophysics Research Program in B.1 of this ROSES NRA. The H-DEE program encompasses the data environment needs throughout Heliophysics, including Solar, Heliospheric, and Geospace Sciences (Magnetosphere and Ionosphere/Thermosphere/Mesosphere [ITM]). As part of a mission-oriented agency, the Heliophysics Research Program seeks to fund those efforts that directly impact NASA missions or interpretation of their data. Therefore, investigations that are judged to be more appropriate for submission to other Federal agencies, even if of considerable merit, will not be given high priority for funding through this solicitation. It is anticipated that approximately $500K will be made available to support new selections for Data Environment Enhancements, all for Data Upgrades, with no prescribed limit on the individual proposal amount. Proposals are expected to be for one year, with a second year possible with strong justification.

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

Solicitation number: NNH18ZDA001N-HDEE

ROSES 2018: Planetary Science and Technology Through Analog Research

The PSTAR program is a science-driven exploration program that is expected to result in new science and operational/technological capabilities to enable the next generation of planetary exploration. Proposals must demonstrate fidelity to at least two of the following three objectives: Science, Science Operations, and Technology. In summary, PSTAR is expected to lower the risks of planetary exploration through instrument/technology development aimed at or coupled with systems-level field tests in relevant environments that will obtain scientific data and/or develop operational capability. The standard award duration is three years.

Contact: Mary Voytek, 202/358-1588, mary.voytek-1@nasa.gov

Solicitation number: NNH18ZDA001N-PSTAR

ROSES 2018: Land Cover Land Use Change

The Land-Cover/Land-Use Change (LCLUC) program is developing interdisciplinary approaches combining aspects of physical, social and economic sciences, with a high level of societal relevance, using remote sensing tools, methods, and data. One of its stated goals is to develop the capability for periodic satellite-based inventories of land cover and monitoring and characterizing land-cover and land-use change. The program focuses on analysis at global to regional scales, taking advantage of the synoptic capability afforded by satellite remote sensing and with the understanding that land-use change occurs locally. Research awards will be for three-year period of performance (or less) with annual funding contingent upon satisfactory progress reporting and available funding.
ROSES 2018: Cassini Data Analysis

National Aeronautics and Space Administration

https://nspires.nasaprs.com/external/solicitations/summaryinit.do?solId={DDBE254F-8633-9B81-4502-4A99BF73EB86}&path=0

Contact: Max Bernstein, 202/256-0879, HQ-CDAP@mail.nasa.gov

Solicitation number: NNH18ZDA001N-CDAP

This program solicits research proposals to conduct scientific investigations utilizing 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.

ROSES 2018: Science Team for the NASA ISRO Synthetic Aperture Radar (NISAR) Mission

National Aeronautics and Space Administration

https://nspires.nasaprs.com/external/viewrepositorydocument/cmdocumentid=610891/solicitationId=%7B07242CFB-41BF-6F1A-09F0-F6F1A7D48C78%7D

Contact: Craig Dobson, 202/358-2054, Craig.Dobson@nasa.gov

Solicitation number: NNH18ZDA001N-NST

The NISAR mission will provide large scale data sets of Earth surface dynamics that are critical to three Earth Science disciplines: 1) Deformation (Solid Earth), 2) Ecosystems (Vegetation, Carbon Cycle) and 3) Cryosphere (Climate Change). To achieve the science objectives, the NISAR mission will be capable of performing repeat-pass interferometry and collecting polarimetric data. In addition, an applications objective of the NISAR mission relates to its potential role to inform the hazard/disaster management cycle (understanding, hazard/risk assessment, forecast/warning, situational awareness, response, recovery and mitigation). Maximum duration of awards is 3 years.

ROSES 2018: Earth Science Applications: Water Resources

National Aeronautics and Space Administration

https://nspires.nasaprs.com/external/solicitations/summaryinit.do?solId={BE264B80-D499-0B71-8257-7E602C370A97}&path=0

Contact: Bradley Doorn, 202/358-2187, Bradley.Doorn@nasa.gov

Solicitation number: NNH18ZDA001N-WATER

The specific goal of this solicitation is to advance the use of satellite observations and hydrologic modeling to monitor and assess local and regional water quality and quantity for improving water resource risk assessment, economic planning, investment planning, and policy making. Innovative solutions are sought that support an integrated approach by synergistically combining Earth observations, modeling, and existing in situ/partner data sets to address specific, well-defined information needs for water resources management. Examples include satellite-based improvements to water decision support systems, novel approaches for increasing the utility of satellite data in water planning data and models, and solutions for assessing and/or mitigating water-related risks for near- to long-term planning. This solicitation seeks to support the water community's significant strides towards implementation of an integrated approach to water resources planning to address vulnerabilities in long-term water supply reliability, infrastructure, and balancing environmental, social, and economic considerations. Expected award is between $275K and $550K.

ROSES 2018: New Frontiers Data Analysis

National Aeronautics and Space Administration


Contact: Michael DiSanti, 301/286-7036, HQ-NFDAP@mail.nasa.gov

Solicitation number: NNH18ZDA001N-NFDAP

All proposals to NFDAP must identify and address a clear objective with science research that would be a significant, not incremental, advance in the state of knowledge of the research topic. Tasks responsive to this call include 1) data analysis tasks, 2) nondata analysis tasks that are necessary to analyze or interpret the data, and 3) nondata analysis tasks that significantly enhance the use or facilitate the interpretation of mission data. These tasks may incorporate theory, modeling, laboratory studies, C.19-2 correlative analyses, and/or other research. Proposals that include nondata analysis tasks to enhance the use or facilitate the interpretation of mission data must incorporate the results of such tasks in the analysis or interpretation of mission data to be responsive to this call.
ROSES 2018: Mars Data Analysis

National Aeronautics and Space Administration


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

Solicitation number: NNH18ZDA001N-MDAP

Investigations submitted to this program must demonstrate how the research to be undertaken will directly improve our understanding of open science questions at Mars relevant to current hypotheses. Tasks responsive to this call include 1) data analysis tasks, 2) nondata-analysis tasks that are necessary to analyze or interpret the data, and 3) nondata-analysis tasks that significantly enhance the use or facilitate the interpretation of mission data. These tasks may incorporate theory, modeling, laboratory studies, correlative analyses, and/or other research. All proposals must include a complete science investigation. Proposals that include nondata-analysis tasks to enhance the use or facilitate the interpretation of mission data must incorporate the results of such tasks in the analysis or interpretation of mission data to be responsive to this call. MDAP does not support field studies or the acquisition of new astronomical observations or collection of new data from spacecraft at Mars.

Atmospheric Composition: Modeling and Analysis

National Aeronautics and Space Administration

https://nspires.nasaprs.com/external/solicitations/summary?do=solld=(E81E419F-870E-F33B-BD1E-9D1C4AC3430C)&path=o

Contact: Richard Eckman, 202/358-2567, Richard.S.Eckman@nasa.gov

Solicitation number: NNH18ZDA001N-ACMAP

NASA’s research for furthering our understanding of atmospheric composition is geared to providing an improved prognostic capability for key processes and issues such as the recovery of stratospheric ozone and its impacts on surface ultraviolet radiation, the evolution of greenhouse gases and their impacts on climate, and the evolution of tropospheric ozone and aerosols and their impacts on climate and air quality. Toward this end, research within the Atmospheric Composition Focus Area addresses the following science questions: How is atmospheric composition changing? What trends in atmospheric composition and solar radiation are driving global climate? How does atmospheric composition respond to and affect global environmental change? What are the effects of global atmospheric composition and climate changes on regional air quality? How will future changes in atmospheric composition affect ozone, climate, and global air quality?

ROSES 2018: Discovery Data Analysis

National Aeronautics and Space Administration


Contact: Thomas Statler, 202/358-0272, thomas.s.statler@nasa.gov

Solicitation number: NNH18ZDA001N-DDAP

The objective of the DDAP is to enhance the scientific return of Discovery Program missions and broaden the scientific participation in the analysis of data, both recent and archived, collected by Discovery missions. Investigators are encouraged to contact the archive for assistance in identifying specifics of available datasets. Datasets to be used in the proposed work must be clearly and specifically identified in the proposal. Toward this end, research within the Atmospheric Composition Focus Area addresses the following science questions: How is atmospheric composition changing? What trends in atmospheric composition and solar radiation are driving global climate? How does atmospheric composition respond to and affect global environmental change? What are the effects of global atmospheric composition and climate changes on regional air quality? How will future changes in atmospheric composition affect ozone, climate, and global air quality?
**Human Exploration Research Opportunities (HERO)**

National Aeronautics and Space Administration  

Contact: John B. Charles, 281-483-7224, john.b.charles@nasa.gov  
Solicitation number: 80JSC017N0001

This program solicits applied research in support of NASA’s Human Research Program (HRP). The research will fall into one or more categories corresponding to HRP’s five Elements: Space Radiation, Human Health Countermeasures, Exploration Medical Capability, Human Factors and Behavioral Performance, and International Space Station Medical Projects. This NRA covers all aspects of research to provide human health and performance countermeasures, knowledge, technologies, and tools to enable safe, reliable, and productive human space exploration. Awards generally range from under $100K per year for focused, limited efforts (e.g., data analysis) to $1M per year for extensive activities (e.g., development of scientific hardware) and will be made as grants.

**National Endowment for the Arts (NEA)**

7/12/2018   2nd Art Works Deadline

**Art Works 2018 - Limited Submission**

National Endowment for the Arts  
[https://www.arts.gov/grants-organizations/art-works/grant-program-description](https://www.arts.gov/grants-organizations/art-works/grant-program-description)

Contact: varies  
Solicitation number:

Art Works projects support public engagement with, and access to, various forms of excellent art across the nation, the creation of art that meets the highest standards of excellence, learning in the arts at all stages of life, and the integration of the arts into the fabric of community life. NEA encourages projects that: 1) Celebrate America’s creativity and cultural heritage; 2) Invite a dialogue that fosters a mutual respect for the diverse beliefs and values of all persons and groups; or 3) Enrich our humanity by broadening our understanding of ourselves as individuals and as a society. An organization may request a grant amount from $10K to $100K. Applications will be accepted under two deadlines, depending on discipline. All grants require a nonfederal match of at least 1 to 1.

**National Institutes of Health (NIH)**

6/28/2018   Application

**Summer Institute for Research Education in Biostatistics (R25) - Limited Submission**

National Institutes of Health  

Contact: Song Yang, 301/435-0431, yangso@nhlbi.nih.gov  
Solicitation number: RFA-HL-19-019

The objective of this FOA is to provide support to develop, conduct, and evaluate summer courses in biomedical statistics for advanced undergraduate and beginning graduate students that will encourage the pursuit of careers in biostatistics. It is not intended to provide an in-depth basic course in the subject, nor is it intended to be a standard introductory course in statistics. It would, instead, comprise an innovative introduction to some basics of probability and elementary statistical methods motivated by a series of examples illustrating the use of probability and statistical reasoning applied to the design and analysis of data from studies including those of the heart, lung, blood, and sleep disorders. The total institutional direct costs may not exceed $240,000 each year.
Supplements to Advance Research (STAR) from Projects to Programs (Admin Supp Clinical Trial Optional)

National Institutes of Health


Contact: Abraham Bautista, 301/443-9737, bautista@mail.nih.gov

Solicitation number: PA-18-647

NIAAA seeks administrative supplement applications to promote innovation and novel high-risk projects by early established investigators (EEIs). The supplement will allow EEIs to expand and explore new opportunities within the scope of the currently funded R01 grant, and to facilitate the transition from a single, structured research project to a research program. Application budgets are limited to a total of $150K in direct cost per year and must reflect the actual needs of the proposed project. The funding mechanism being used to support this program, administrative supplements, can be used to cover cost increases that are associated with achieving certain new research objectives, as long as the research objectives are within the original scope of the peer reviewed and approved project, or the cost increases are for unanticipated expenses within the original scope of the project. Any cost increases need to result from making modifications to the project that would increase or preserve the overall impact of the project consistent with its originally approved objectives and purposes. The project and budget periods must be within the currently approved project period for the existing parent award. Applicant may request up to two years of support within the currently approved project period for the existing parent award.

Blueprint Neurotherapeutics Network (BPN): Small Molecule Drug Discovery and Development for Disorders of the Brain

National Institutes of Health


Contact: Charles Cywin, 301/496-1779, charles.cywin@nih.gov

Solicitation number: PAR-17-205

The Blueprint Neurotherapeutics Network (BPN) invites applications from neuroscience investigators seeking support to advance their small molecule drug discovery and development projects into the clinic. Participants in the BPN are responsible for conducting all studies that involve disease- or target-specific assays, models, and other research tools and receive funding for all activities to be conducted in their own laboratories. In addition, applicants will collaborate with NIH-funded consultants and can augment their project with NIH contract research organizations (CROs) that specialize in medicinal chemistry, pharmacokinetics, toxicology, formulations development, chemical synthesis including under Good Manufacturing Practices (GMP), and Phase I clinical testing. Projects can enter either at the Discovery stage, to optimize promising hit compounds through medicinal chemistry, or at the Development stage, to advance a development candidate through Investigational New Drug (IND)-enabling toxicology studies and phase I clinical testing. Projects that enter at the Discovery stage and meet their milestones may continue on through Development. BPN awardee Institutions retain their assignment of IP rights and gain assignment of IP rights from the BPN contractors (and thereby control the patent prosecution and licensing negotiations) for drug candidates developed in this program. Application budgets are not limited but need to reflect the actual needs of the proposed project. Applicants may seek up to one year of UG3 funding. The UH3 phase cannot exceed four years. The actual duration of individual projects will depend on successful achievement of milestones and conditions as described in Milestones Section of the program overview.
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. Application budgets are not limited but need to reflect the actual needs of the proposed project. The maximum project period is five years.

Funding For Collaborative Clinical Research In Type 1 Diabetes: Living Biobank (R01 Clinical Trial Optional)

This FOA invites applications for studies of etiology and pathogenesis related to development of type 1 diabetes (T1D) and/or its complications. Studies must involve subjects enrolled and followed in clinical trials, long term follow-up, or observational studies. This opportunity is intended to fund collaborative projects that bring new expertise and innovative approaches to enhance the value of major ongoing clinical research projects. Funding will be provided for new approaches or assessments not currently addressed within the scope of the existing clinical research in progress, but for which there is an opportunity in terms of access to subjects. Projects must be clearly collaborative, with realistic goals and methods of approach that are feasible within the ongoing project. Applications can ask for costs as necessary for collaborative recruitment and retention of subjects (within the pool provided by the ongoing project), interventions, other types of measurements such as imaging or other tests, special sample collection and shipping, sample processing and analysis, data analysis, integration and interpretation. Successful applicants are expected to abide by the policies and procedures for data sharing and publications described on each consortium’s website and consistent with NIH policies for data sharing. Application budgets are limited to $600K direct costs per year. The scope of the proposed project should determine the project period. The maximum project period is 5 years. Budgets are expected to reflect the actual needs of the proposed project.

Treating Diabetes Distress to Improve Glycemic Outcomes in Type 1 Diabetes (R01 Clinical Trial Required)

This FOA seeks applications for clinical trials testing interventions targeting diabetes distress in individuals with T1D, especially those who have inadequate glycemic control, with the goal of understanding whether lowering diabetes distress will improve HbA1c levels or other glycemic outcomes as well as improve quality of life for the patient and/or family members. Applications to this FOA may address any age group across the lifespan, but each application should focus on a specific age range, given the different developmental needs and approaches to treatment. For example, applications might focus on parents of young children, school-age children, adolescents and young adults, working age adults, or older adults (65 and older). In addition, applications may address diabetes distress in parents or other family members, and partners. Diabetes distress may be shared between patients and caregivers/support persons but may also be experienced differently between these groups. Application budgets are limited to $500K direct costs per year. Budgets are expected to reflect the actual needs of the proposed project. The scope of the proposed project should determine the project period. The maximum project period is 4 years.
Incorporating Patient-Reported Outcomes into Clinical Care for Type 1 Diabetes (R01 Clinical Trial Required)

National Institutes of Health


Contact: Barbara Linder, 301/594-0021, linderb@mail.nih.gov

Solicitation number: RFA-DK-17-027

This FOA will support research to test approaches in the health care setting to using Patient-Reported Outcomes (PROs) as tools to enhance patient-centered treatment and improve outcomes in patients with T1D. For example, information gained from PROs may be used by the healthcare team to aid in collaborative communication with the patient/family to facilitate shared decision-making, improve self-management behaviors, overcome barriers to the adoption of new technologies for diabetes management, and identify situations when referral to a behavioral specialist is needed to support coping and address emotional issues. The long-term goals of using PROs should be to enhance the patient's/family's sense of well-being and improve self-management while optimizing glycemic control to prevent complications. Application budgets are limited to $375K direct costs per year. Budgets are expected to reflect the actual needs of the proposed project. The scope of the proposed project should determine the project period. The maximum project period is four years.

7/15/2018 Letter of Intent
8/15/2018 Application

Inter-organelle Communication in Cancer (R01)

National Institutes of Health


Contact: Michael Espey, 240/276-7619, SP@nih.gov

Solicitation number: PAR-17-203

The purpose of this FOA is to support research projects that examine how inter-organelle communication in cancer cells and/or tumor-associated cells affects cellular function, adaptation, and phenotypic plasticity. Applications that leverage novel tools or technologies that advance resolution, quantification, measurement, and/or manipulation of inter-organelle communication to inform novel cancer biology hypothesis are of high programmatic priority. This emerging area promotes the concept that organelle networks coordinate oncogenic or tumor suppressive pressures that influence cell behaviors. It is anticipated that applicants may propose to use basic model systems or non-human organisms to elucidate mechanistic cancer research questions on inter-organelle communication. While applications may have aims that illustrate translational potential, an emphasis on clinical translation is not a requirement for this FOA. The primary goal of this FOA is to stimulate basic research that will address our knowledge gaps and technical limitations in studying inter-organelle communication and crosstalk in cancer. Application budgets are not limited but need to reflect the actual needs of the proposed project. The scope of the proposed project should determine the project period. The maximum project period is 5 years.

7/15/2018 Letter of Intent
8/15/2018 Application

Extracellular Vesicles and Substance Use Disorders (R01)

National Institutes of Health


Contact: John Satterlee, 301/435-1020, satterleej@nida.nih.gov

Solicitation number: PAR-17-250

The purpose of this FOA is to encourage research projects that investigate the interplay between EVs and SUDs. In particular, NIDA is interested in the potential utility of EVs with respect to understanding neuroplastic mechanisms relevant to SUDs or as biomarkers or therapeutics. Proposed projects are expected to meet the following two criteria: 1) the major thrust of the application should involve extracellular vesicles or EV biogenesis machinery; and 2) at least one aim or sub-aim should involve exposure to addictive substances, or analysis of samples from patients with substance use or SUDs. Addictive substances of interest include: nicotine, cocaine, stimulants, opioids, prescription drugs, cannabinoids, or use of multiple substances (including alcohol). Applications focused solely on alcohol exposure should not apply through this FOA. Application budgets need to reflect the actual needs of the proposed project. A project period of up to five years may be requested.
Institutional Research and Academic Career Development Awards (IRACDA) - Limited Submission

National Institutes of Health


Contact: Jessica M. Faupel-Badger, 301/594-3900, badgerje@nigms.nih.gov

Solicitation number: PAR-16-103

The purpose of this program is to develop a diverse group of highly trained biomedical and behavioral scientists to address the Nation's biomedical workforce needs. The strategy is to promote effective partnerships between research-intensive institutions (RII) and institutions that have a historical mission or a demonstrated commitment to educating students from diverse backgrounds underrepresented in the biomedical and behavioral research enterprise of the nation. The IRACDA program provides support for a traditional mentored postdoctoral research experience at an RII combined with an opportunity for these fellows to develop critical academic skills, including teaching, through workshops and through mentored teaching assignments at a partner institution.

The primary goals of the IRACDA program are to (1) develop a group of highly trained biomedical and behavioral scientists who have the necessary knowledge and skills to pursue independent research and teaching careers in academia; and (2) strengthen and modernize science educational offerings at partner institutions, and promote links between RII and the partner institution(s).

While applications may request research program budgets of up to $1.5 million direct costs per year, it is anticipated that most awards will be between $700,000-$900,000 direct costs. Inflationary adjustments are not allowed. The requested budget should be consistent with the number of PDs/PIs and the complexity and needs of the proposed program. In addition to the research program budget, an additional $250,000 direct costs per year may be requested for optional exploratory pilot studies for ESIs.

Bridges to the Doctorate (R25) - Limited Submission

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


Contact: Patrick H. Brown, 301-594-3900, patrick.brown@nih.gov

Solicitation number: PAR-17-209

This FOA will support creative educational activities with a primary focus on Courses for Skills Development and Research Experiences. The Bridges to Doctorate Program is intended to provide these educational activities to Master's level students to increase transition to and completion of Ph.D.'s in biomedical sciences. A program application must include each educational activity, and describe how they will be synergized to make a comprehensive program. This program requires partnerships between master's degree-granting institutions with doctorate degree-granting institutions. Additionally, recruitment and retention plans are required as part of the application. Application budgets are limited to $300,000 direct costs per year, for a maximum of 5 years.
Clinical Validation of a Candidate Biomarker for Neurological Disease (U44 Clinical Trial Optional)

The purpose of this FOA is to encourage applications from Small Business Concerns (SBCs) to support rigorous clinical validation of a candidate biomarker using retrospective and/or prospective methods in a manner that is consistent with the purpose of the biomarker. This FOA assumes that: 1) a candidate biomarker has already been identified, 2) an analytical method has been developed and validated that is consistent with the purpose of the biomarker and 3) a working hypothesis regarding context of use is in place. The goal of this FOA is to facilitate the advancement of robust and reliable biomarkers of diseases that fall within the mission of NINDS to application in clinical trials and practice (Phase II clinical trials and beyond). Applicants should rarely exceed up to $700K total cost per year for Phase I and up to $1.5M total cost per year for the Phase II. In all cases, applicants should propose a budget that is reasonable and appropriate for completion of the research project. Durations up to 2 years for Phase I and up to 3 years for Phase II may be requested.

Contact: Victoria Smith, 301/496-1779, victoria.smith@ninds.nih.gov
Solicitation number: PAR-18-548

Bridges to the Baccalaureate Program (R25) - Limited Submission

This FOA will support creative educational activities with a primary focus on Courses for Skills Development, Research Experiences, and Curriculum or Methods Development. A program application must include each activity, and describe how they will be synergized to make a comprehensive program. The program is intended to provide these activities to community college students to increase transition to and completion of Bachelor’s degree in biomedical sciences. This program requires partnerships between community colleges or other two-year post-secondary educational institutions granting the associate degree with colleges or universities that offer the baccalaureate degree. Additionally, recruitment and retention plans are required as part of the application. Application budgets are limited to $300K direct costs per year, for 5 years.

Contact: Mercedes Rubio, 301-594-3900, mercedes.rubio@nih.gov
Solicitation number: PAR-17-210
Strategic Alliances for Medications Development to Treat Substance Use Disorders (R01)

National Institutes of Health


Contact: Ivan Montoya, 301/827-5936, imontoya@mail.nih.gov

Solicitation number: PAR-16-430

The purpose of this FOA is to support research that advances compounds towards FDA approval by leveraging NIDA funds with the strengths and resources of outside organizations, such as for-profit and not-for-profit entities, including academic institutions, pharmaceutical and biotechnology companies, private and public foundations, and small businesses. Applications from single entities that possess considerable resources for medications development will also be considered, provided the entity demonstrates a significant resource commitment to the proposed project. A resource commitment from a single entity could, for example, consist of salary support for key personnel or production and formulation of clinical trial material. It is anticipated that in comparison with traditional grant-funded research, strategic alliances will increase the pace at which medications to treat Substance Use Disorders (SUDs) move through the drug development process. Both the project period and budget of the grant are consistent with the objective of accelerating the pace of medications development compared to traditional research project grant funding. Project aims can range from the development of a new molecular entity to the expansion of an existing medication’s clinical indication(s). Each project should have a defined entry and exit point in the medications development pathway, with the objective of advancement in the FDA approval process. It is hoped that support for these collaborations will accelerate the rate of medications development for SUDs. Application budgets for direct costs may be up to $3M per year, but need to reflect the actual needs of the proposed project. The maximum period of support is 3 years.

Global Infectious Disease Research Training Program (D43)

National Institutes of Health


Contact: Barbara Sina, 301/402-9467, sinab@mail.nih.gov

Solicitation number: PAR-17-057

This Funding Opportunity Announcement (FOA) encourages applications for the Global Infectious Disease Research Training program from U.S. and LMIC research institutions. The application should propose a collaborative research training program that will strengthen the capacity of a LMIC institution to conduct infectious disease research that focuses on 1) major endemic or life-threatening emerging infectious diseases 2) neglected tropical diseases 3) infections that frequently occur as co-infections in HIV infected individuals or 4) infections associated with non-communicable disease conditions of public health importance in LMICs. FIC will support innovative research training programs that are designed to build sustainable infectious disease research capacity at an institution in an endemic LMIC. Sustainable infectious disease research capacity is known to require a critical mass of scientists and health research professionals with in-depth scientific expertise and complementary leadership skills that enable the institution to conduct independent, internationally-recognized infectious disease research relevant to the health priorities of their country. Applications budgets are limited to $230K per year for new awards and $276K per year for renewal awards (total direct costs).

Mobile Health: Technology and Outcomes in Low and Middle Income Countries (R21)

National Institutes of Health


Contact: Laura Povlich, 301/827-2227, laura.povlich@nih.gov

Solicitation number: PAR-16-292

The purpose of this FOA is to encourage exploratory/developmental research applications that propose to conduct research to develop or adapt innovative mobile health (mHealth) technology specifically suited for low and middle income countries (LMICs) and determine the health-related outcomes associated with implementation of the technology. Of highest interest are innovative, well-designed multidisciplinary projects that aim to generate generalizable knowledge for the field. The overall goal of the FOA is to contribute to the evidence base for the use of mobile technology to improve clinical outcomes and public health while building research capacity in LMICs and establishing research networks in this area. Applicants are required to propose partnerships between at least one U.S. institution and one LMIC institution and the proposed research plan should strengthen the mHealth research capabilities at the LMIC institution. Applicants may request up to $125K direct costs per year. The total project period may not exceed 2 years.
### Complex Technologies and Therapeutics Development for Mental Health Research and Practice (R43/R44 Clinical T)

National Institutes of Health


Contact: Margaret Grabb, 301/443-3563, mgrabb@mail.nih.gov

Solicitation number: PA-18-566

The overarching goal of the SBIR program at the National Institute of Mental Health (NIMH) is to support small businesses to develop technologies that can advance the mission of the Institute, including in basic neuroscience research relevant to mental disorders, translational and clinical research of mental disorders, clinical diagnosis or treatment of mental disorders, and dissemination of evidence-based mental health care. This FOA encourages SBIR grant applications to support research and development of particular priority research topics - complex technologies that require funding levels and durations beyond those reflected in the standard SBIR guidelines. Budgets of up to total $450K per year total cost for Phase I awards and $750K per year total cost for Phase II awards, and $1M per year total cost for Phase IIB may be requested. Durations up to two years for Phase I and up to three years for Phase II may be requested.

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### Lab to Marketplace: Tools for Brain and Behavioral Research (R43/R44 - Clinical Trial Optional)

National Institutes of Health


Contact: Margaret Grabb, 301/443-3563, mgrabb@mail.nih.gov

Solicitation number: PAR-18-565

This FOA encourages the translation of technologies for brain or behavioral research from academic and other non-small business research sectors to the marketplace. Encouraged from Small Business Concerns (SBCs) are Small Business Innovation Research (SBIR) grant applications that propose to further develop, make more robust, and make more user-friendly such technologies in preparation for commercial dissemination. It is expected that this activity will require partnerships and close collaboration between the original developers of these technologies and SBCs, which may be accomplished in any of a number of ways, including the use of multiple program directors/principal investigators. Budgets of up to total $450K per year total cost for Phase I awards and $750K per year total cost for Phase II awards, and $1M per year total cost for Phase IIB may be requested. Durations up to two years for Phase I and up to three years for Phase II may be requested.

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Ruth L. Kirschstein National Research Service Award (NRSA) Individual Predoctoral Fellowship to Promote Diversity

The purpose of the Kirschstein-NRSA Individual Predoctoral Fellowship to Promote Diversity in Health-Related Research (F31) is to provide support for mentored research training leading to the PhD or equivalent research degree, the combined MD/PhD degree, or another formally combined health professional degree and research doctoral degree in the biomedical, behavioral, or clinical sciences for individuals from diverse population groups. This fellowship program will enhance the diversity of the biomedical, behavioral, and clinical research workforce in the United States by providing opportunities for academic institutions to identify and recruit students from diverse population groups to seek graduate degrees in health-related research and apply for this fellowship. The goal of this program is to enhance the number of scientists from diverse population groups who are well prepared for research careers in the biomedical, behavioral, and clinical sciences. Award budgets are composed of stipends, tuition and fees, and institutional allowance, as described below. Individuals may receive up to 5 years of aggregate Kirschstein-NRSA support at the predoctoral level (up to 6 years for dual degree training, e.g., MD/PhD), including any combination of support from institutional training grants (e.g., T32) and an individual fellowship award.

Countermeasures Against Chemical Threats (CounterACT) Cooperative Research Projects (U01)

The mission of this program is to develop new and improved therapeutics to treat and/or prevent injuries resulting from exposure to chemical threats. Chemical threats are toxic chemicals that could be used in a terrorist attack or accidentally released from industrial production, storage or shipping. They include traditional chemical warfare agents and toxic industrial chemicals and materials. This FOA requests research applications seeking support for research on the optimization of small molecule or biologic compounds that are excellent candidates for therapeutic development. A previously identified lead compound is required to be eligible for this funding opportunity. In this regard, lead compounds are defined as biologically active compounds or hits where affinity, potency, target selectivity, and preliminary safety have been established. The scope of research supported by this FOA includes development of appropriate human-relevant animal models and generation of in vivo efficacy data consistent with the intended use of the product in humans. It also includes bioanalytical assay development and validation, laboratory-scale and scale-up manufacturing of the product, and non-GLP toxicity and pharmacology studies. The expected direct cost for individual awards is $300K-$500K per year for five years. This FOA runs in parallel with three FOAs of identical scopes; PAR-15-315, PAR-15-146, and PAR-16-129; that utilize the R21 Exploratory/Developmental Grant, the U54 Specialized Center- Cooperative Agreements, and the U01 Research Project – Cooperative Agreement mechanisms, respectively.
NIH Support for Conferences and Scientific Meetings (Parent R13 Clinical Trial Not Allowed)

National Institutes of Health


Contact: Varies with research interest.

Solicitation number: PA-18-648

The purpose of the NIH Research Conference Grant (R13) is to support high quality scientific conferences that are relevant to the NIH's mission and to the public health. A conference is defined as a symposium, seminar, workshop, or any other organized and formal meeting, whether conducted face-to-face or via the internet, where individuals assemble (or meet virtually) for the primary purpose to exchange technical information and views or explore or clarify a defined subject, problem, or area of knowledge, whether or not a published report results from such meeting. The NIH recognizes the value to members of the research community and all other interested parties in supporting such forums. Support of conferences is contingent on the fiscal and programmatic interests and priorities of the individual NIH Institutes and Centers (ICs). Therefore, a conference grant application is required to contain a permission-to-submit letter from any one of the participating ICs' conference grant contact person (see Contacts List). Applicants are urged to initiate contact well in advance of the chosen application due date and no later than 6 weeks before that date. Please note that agreement to accept an application does not guarantee funding. In general, NIH will not issue a conference grant award unless the Federal award date can precede the conference start date.

Application budgets are not limited but need to reflect the actual needs of the proposed project. Most ICs will accept applications for up to 5 years of support when a series of annual or biannual conferences are proposed by a permanently sponsoring organization. Support for conferences held on a less frequent schedule must be applied for individually.

Advancing Exceptional Research on HIV/AIDS and Substance Abuse (R01)

National Institutes of Health


Contact: Jacques Normand, 301/443-1470, jnormand@nida.nih.gov

Solicitation number: RFA-DA-18-002

This FOA seeks to attract exceptionally talented investigators to conduct innovative, potentially groundbreaking and/or unconventional investigations on HIV/AIDS and substance abuse. Projects may be led by collaborative investigative teams or individual scientists. Awards will support projects, which, if successful, will have a major impact on HIV/AIDS and substance abuse. Examples of studies of relevance to drug abuse include: studies using populations with significant numbers of drug users or samples from drug using populations; studies using in vitro systems and/or animal models that test the effects of drugs of abuse on HIV pathogenesis, progression, or treatment; studies to develop interventions or treatments that are tailored to substance using populations, and studies of novel implementation approaches. Projects may be in any area of research but must be in an area of high priority NIH HIV/AIDS research. This FOA is designed to complement NIDA's existing Avant-Garde Award Program for HIV/AIDS Research and Avenir Award Program for Research on Substance Abuse and HIV/AIDS, which focus on individual researchers and which do not require a detailed research plan. In contrast, this FOA focuses on innovative research projects, and applications to this FOA are expected to have a detailed research plan and preliminary data. However, applications submitted under this FOA should clearly exhibit creativity, innovativeness, and risk. Application budgets are not limited but need to reflect the actual needs of the proposed project. The scope proposed should determine the project period. The maximum project period is five years.
Perception and Cognition Research to Inform Cancer Image Interpretation (R01 Clinical Trial Optional)

This purpose of this FOA is to facilitate research on the perceptual and cognitive processes underlying the performance of cancer image observers. Specifically, the FOA will bring scientists with expertise in visual perception and cognition together with radiologists, pathologists, nuclear medicine physicians, and other experts in cancer image interpretation. The scientific scope of the PAR will yield insights to improve the accuracy of cancer detection and diagnosis as a result of NCI’s investment in studying the underlying perceptual and cognitive processes. Projects suitable for this FOA will have a focus on underlying cognitive and perceptual mechanisms, rather than descriptive studies. For example, a study demonstrating the relationship between experience and interpretation accuracy would not be appropriate, but a study identifying the visual features acquired by expert observers would be appropriate. In particular, the FOA seeks to encourage research that identifies a critical problem in cancer image perception, studies the underlying perceptual or cognitive mechanisms in a basic laboratory setting, and tests the most promising hypotheses in the applied cancer imaging context. Application budgets are not limited but need to reflect the actual needs of the proposed project. The scope of the proposed project should determine the project period. The maximum project period is 5 years.

Natural History Studies for Rare Disease Product Development: Orphan Products Research Project Grant (R01)

The objective of this FOA is to support studies that advance rare disease medical product development through characterization of the natural history of rare diseases/conditions, identification of genotypic and phenotypic subpopulations, and development and/or validation of clinical outcome measures, biomarkers and/or companion diagnostics. The ultimate goal of these natural history studies is to support clinical development of products for use in rare diseases or conditions where no current therapy exists or where the proposed product will be superior to the existing therapy. FDA provides grants for natural history studies that will either assist or substantially contribute to market approval of these products. Applicants must include in the application's Background and Significance section documentation to support that the estimated prevalence of the orphan disease or condition in the United States (US) is less than 200,000 (or in the case of a vaccine or diagnostic, information to support that the product will be administered to fewer than 200,000 people in the US per year), and an explanation of how the proposed study will either help support product approval or provide essential data needed for product development. It is anticipated that up to five (5) awards will be made, not to exceed $400K in total costs (direct plus indirect), per award, per fiscal year.
The intent of this FOA is to encourage research that studies Mind and Body Interventions in two phases. The first phase is to explore and identify underlying mechanisms of action for a Mind and Body Intervention and to develop methods to assess those mechanisms or processes. The second phase should focus on how the putative mechanism(s) or process(es) may be improved, refined, enhanced, or strengthened in relation to the functional outcome or clinical benefit of the intervention. NCCIH views the goal of the early-phase R61 of this grant award being provision of efficient and objective means for examining a proposed mechanism or process that could then be directly applied to improving and optimizing the benefit of a Mind and Body Intervention in the R33 phase. This FOA supports research exploring putative mechanisms or processes underlying Mind and Body Interventions intended for human participants. The mechanism(s) or process(es) proposed for the study can use epigenetic, biochemical, molecular, cellular, physiological, neurophysiological, or behavioral methods. They can be tissue- or organ-specific mechanisms or measures of psychosocial and behavioral processes, such as stress reactivity, self-regulation, sustained attention, or social, interpersonal, or somatic processes that are relevant to the proposed intervention. This FOA is not intended to support work exclusively focusing on the characteristics of practitioners or of healthcare settings in which the intervention is delivered. Such characteristics, however, may be included for study if a strong rationale can be made for their importance in modulating the putative underlying mechanism(s) or process(es) associated with an intervention. Research applications submitted under this FOA are likely to cover a large and diverse group of complementary integrative health interventions, practices, and disciplines. NCCIH is, however, interested in: (1) interventions that have compelling evidence for potential health benefit; (2) interventions with evidence that they can exert a plausible and measurable biological or psychological effect; and (3) practices that are widely used by the American public. Application budgets are not limited, but it is strongly recommended that applicants not request a budget of more than $300K in direct costs per year for the R61 phase and $500K in direct costs per year for the R33 phase. The scope of the project should determine the project period for each phase. The maximum period of the combined R61 and R33 phases is 5 years, with 1 to 2 years for the R61 phase and up to 3 years for the R33 phase.
Cancer Tissue Engineering Collaborative: Enabling Biomimetic Tissue-Engineered Technologies for Cancer Research

National Institutes of Health


Contact: Nastaran Kuhn, 240/276-7610, nas.kuhn@nih.gov

Solicitation number: PAR-17-171

The purpose of this FOA is to encourage investigator-initiated research efforts aimed at the development and characterization of state-of-the-art biomimetic tissue-engineered technologies for cancer research. Tissue-engineered in vitro and ex vivo systems that reflect the pathology and physiology of human disease are needed within the existing continuum of cancer models as new tools for studying cancer biology. Complementary implementation of these tools with existing cancer models is envisioned to ultimately lead to advances in cancer prevention, early detection of aggressive cancer, diagnosis and treatment. To date, only a handful of validated, biologically relevant tissue-engineered technologies exist for addressing specific cancer research questions. Recent technological advances in biomimetic tissue-engineered systems for the purposes of regenerative medicine could allow for new, innovative applications to cancer research. This FOA will support multidisciplinary research projects, and the funded investigators will collectively establish and participate in the Cancer Tissue Engineering Collaborative (TEC) Research Program. Funded investigators will also be invited to attend meetings associated with the NCI Physical Sciences-Oncology Network (PS-ON). The Cancer TEC research projects will focus on the development and characterization of in vitro systems using tissue-engineered technologies that mimic tumor biology to elucidate specific cancer phenomena that are otherwise difficult to examine in vivo. This FOA is intended to encourage collaborative, multidisciplinary projects that engage the fields of cancer research with regenerative medicine, tissue engineering, biomaterials, and bioengineering. It is also expected to catalyze the advancement of innovative, well characterized in vitro and ex vivo systems available for cancer research, expand the breadth of these systems to several cancer types, and promote the exploration of cancer phenomena with biomimetic tissue-engineered systems beyond commonly studied areas such as cell migration and angiogenesis. Applicants are encouraged to leverage existing resources, such as in vivo models, imaging techniques, or computational models. Budgets are limited to $400K Direct Costs per year. Application budgets should reflect the actual needs of the proposed project. The maximum project period is 5 years. The scope of the proposed project should determine the project period.

Program for Extramural/Intramural Alcohol Research Collaborations (U01 Clinical Trial Optional)

National Institutes of Health


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

Solicitation number: PAR-18-195

The purpose of this funding opportunity is to encourage collaboration between alcohol researchers in the extramural community and those within the NIAAA intramural research program. The objective of this Funding Opportunity Announcement is to bring together the research expertise that, as a functioning collaborative unit, will address key alcohol-based research questions that would not otherwise be possible by the same individuals working towards similar goals in isolation. The goal of the research proposed by the collaborating investigators should address questions that advance the alcohol research field with respect to issues surrounding alcohol use disorders including dependence and the effects of alcohol on health. The NIH Intramural Scientist will be a tenured or tenure-track scientist from the NIAAA Intramural Research Program, with whom the PD/PI has made prior contact for the collaborative project. Application budgets need to reflect actual needs of the proposed project and may not exceed $250K direct cost per year. These funds may only be used to support the activities within the PD(s)/PI(s) (extramural scientists) research laboratory. The scope of the proposed project should determine the project period. The maximum period is 5 years.
**Mechanistic investigations of psychosocial stress effects on opioid use patterns (R01- Clinical Trial Optional)**

National Institutes of Health


Contact: Vani Pariyadath, 301/443-3209, vani.pariyadath@nih.gov

Solicitation number: PAS-18-624

This FOA invites innovative research to characterize the consequences of psychosocial stress on affective/cognitive functioning and/or pain processing as it relates to opioid use disorder (OUD). This FOA encourages research that elucidates mechanisms of action and determinants of vulnerability and/or resilience by which psychosocial stress influence OUD trajectories. Research using basic or clinical approaches is appropriate. This funding opportunity announcement seeks to address two specific mechanistic pathways via which psychosocial stress may modulate opioid use trajectories. The first pathway is through its effects on cognitive and affective systems that are also altered in OUDs. Stressful environments have been linked to impairments in reasoning, memory, inhibitory and cognitive control, and negative affect. Acute poverty, for example, has been shown to immediately impact performance on tasks measuring intelligence and cognitive control. Relatedly, there is substantial co-morbidity between OUD and stress-related affective disorders, including depression, anxiety and PTSD. Many neurobiological substrates and circuits that are thought to mediate cognitive and affective aspects of addiction are impacted by psychosocial stress. Taken together, these findings suggest that more research is warranted on the role of cognitive and affective systems mediating the effects of psychosocial stress on opioid use trajectories. Application budgets are not limited but need to reflect the actual needs of the proposed project. The maximum project period is 5 years.

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**Dissemination and Implementation Research in Health (R01 Clinical Trial Optional)**

National Institutes of Health


Contact: Varies with research interest.

Solicitation number: PAR-18-007

This FOA encourages investigators to submit research grant applications that will identify, develop, test, evaluate and/or refine strategies to disseminate and implement evidence-based practices (e.g. behavioral interventions; prevention, early detection, diagnostic, treatment and disease management interventions; quality improvement programs) into public health, clinical practice, and community settings. In addition, studies to advance dissemination and implementation research methods and measures are encouraged. Application budgets are not limited but need to reflect the actual needs of the proposed project. The maximum project period is 5 years.
Methods Development in Natural Products Chemistry (R41/R42 Clinical Trial Not Allowed)

National Institutes of Health

Contact: Craig Hopp, 301/496-5825, hoppdc@mail.nih.gov

Solicitation number: PA-18-682

The purpose of this STTR initiative is to stimulate technological innovation in the private sector, strengthen the role of small business in meeting research and development needs, and improve the return on investment from Federally-funded research. With this STTR initiative, NCCIH is proposing to focus on areas that could significantly improve the progress in natural products research. Areas of interest include, but are not limited to, those listed below: Technologies aimed at improving field applications for characterizing natural product sources/species and their diverse bioactive constituents, (e.g., activity based profiling, biosensors, spectrometric equipment and techniques, etc.) Technologies aimed at the rapid removal of nuisance compounds in the crude extracts of natural products, (e.g., innovative chromatographic technologies, resins, catch and release-type systems, etc.) Technologies aimed at the development of highly sensitive phenotypic/high content bioassays including capacity to identify potential synergistic mechanisms (e.g., image-based cellular assays, multiple-endpoint analysis based on phenotypic changes, bioengineering chemically sensitive strains, etc.) Technologies aimed at the creation and exploitation of model systems for the expression of natural product constituents in high product yielding hosts (e.g., broad spectrum heterologous or homologous expression hosts, stimulation of biosynthetic pathways, mutation, etc.) Technologies aimed at predicting and/or quantifying risks of natural product–drug interactions (e.g., designed in vitro interaction assays or kits, in silico technologies, etc.) This FOA is intended to help move useful technologies into the commercial marketplace by inviting STTR grant applications from small businesses for further development of such technologies that are relevant to the missions of the sponsoring NIH institutes and centers. The supported research and development will likely include making the tools more robust and easy to use. NCCIH encourages new investigators as well as those investigators who are previous recipients and have shown significant progress in moving useful technologies into the commercial marketplace. According to statutory guidelines, total funding support (direct costs, indirect costs, fee) normally may not exceed $150K for Phase I awards and $1M for Phase II awards. According to statutory guidelines, award periods normally may not exceed 1 year for Phase I and 2 years for Phase II. Applicants are encouraged to propose a project duration period that is reasonable and appropriate for completion of the research project.

9/5/2018 Letter of Intent
10/5/2018 Application

Innovative Therapies and Tools for Screenable Disorders in Newborns (R01 - Clinical Trial Optional)

National Institutes of Health

Contact: Melissa Parisi, 301/435-6880, kaua@mail.nih.gov

Solicitation number: PAR-18-689

This FOA encourages research relevant to the development of therapeutic interventions for potentially fatal or disabling conditions that have been identified through newborn screening, as well as "high priority" genetic conditions where screening may be possible in the near future. Demonstrating the benefits of treatment is often a primary criterion for including a condition on a newborn screening panel; therefore, for this FOA, a "high priority" condition is one where screening is not currently recommended but would significantly benefit from early identification and treatment. Application budgets are not limited but need to reflect the actual needs of the proposed project. The scope of the proposed project should determine the project period. The maximum project period is 5 years.
Selective Cell and Network Vulnerability in Aging and Alzheimer's Disease (R01 Clinical Trial Not Allowed)

National Institutes of Health


Contact: Bradley Wise, 301/496-9350, wiseb@mail.nih.gov

Solicitation number: PAR-18-706

The goal of this FOA is to define and characterize neural cell populations (neurons and glia), neural activity and circuits, structural and functional networks, and brain regions that are vulnerable in brain aging and AD, and the mechanisms underlying such selective vulnerability. Genetic and molecular signatures of different types of neurons and glial cells across the adult lifespan, in AD compared to other dementias of aging, and in different stages of AD will implicate cell processes and pathways mediating selective vulnerability to AD. Defining cell types by physiological measures such as electrophysiology and connectivity and manipulating neural activity in circuits and networks will provide a functional index of selective vulnerability. Applications are encouraged to use new approaches to generate sophisticated data on molecular signatures of brain cells and on structure and function of brain circuits and networks. Understanding the mechanisms underlying selective vulnerability from cells to networks in AD is critical to fully define the disease process and to develop effective therapies. Application budgets are not limited but need to reflect the actual needs of the proposed project. The maximum project period is 5 years.

Ethical, Legal and Policy Issues in HIV Research with Key Populations (R01)

National Institutes of Health


Contact: Lisa Dawson, 240/627-3210, dawsonl@niaid.nih.gov

Solicitation number: PAR-15-328

This FOA encourages applications to analyze and address ethical, legal, or policy challenges specific to work with key populations in HIV research or health care. Proposed projects should be focused on ethical, legal or policy challenges in relation to research studies or program implementation for HIV or associated co-morbidities, affecting one or more of the following key populations: (1) men who have sex with men; (2) people who inject drugs; (3) people in prisons and other closed settings; (4) sex workers; (5) transgender people or (6) adolescent girls and young women at high risk of HIV acquisition or who are living with HIV. Application budgets are not limited but need to reflect the actual needs of the proposed project. This FOA encourages both empirical and conceptual research projects addressing these topics. This FOA runs in parallel with a FOA of identical scope, PAR-15-327, that utilizes the R21 Exploratory/Developmental Grant.
U.S. Tobacco Control Policies to Reduce Health Disparities (R01 Clinical Trial Optional)

National Institutes of Health


Contact: Bob Vollinger, 240/276-6919, Bob.Vollinger@nih.gov

Solicitation number: PAR-18-675

This FOA seeks applications for research projects to help address cancer health disparities in tobacco use in the United States through scientific inquiry focused on innovative tobacco control policies including, but not limited to: protecting nonsmokers from secondhand smoke (SHS) exposure; insurance coverage for tobacco dependence treatment; and other promising public and private tobacco control policy approaches. Applicants may propose projects in which the focus is on reducing cancer health disparities in vulnerable populations by utilizing tobacco prevention and control strategies. The long-term goal of this FOA is to reduce health disparities in cancer health outcomes, thereby reducing the excess disease burden of tobacco use within these groups. Application budgets are not limited but need to reflect the actual needs of the proposed project. The scope of the proposed project should determine the project period. The maximum project period is 5 years.

Bioengineering Research Partnerships (U01)

National Institutes of Health


Contact: Eileen Bradley, 301/435-1179, bradleye@csr.nih.gov

Solicitation number: PAR-16-116

This Funding Opportunity Announcement (FOA) encourages bioengineering applications that will accelerate the development and adoption of promising tools and technologies that can address important biomedical problems. The objectives are to establish these tools and technologies as robust, well-characterized solutions that fulfill an unmet need and are capable of enhancing our understanding of life science processes or the practice of medicine. Awards will focus on supporting multidisciplinary teams that apply an integrative, quantitative bioengineering approach to developing technologies, and engage biomedical researchers or clinicians throughout the project. The goal of the program is to support projects that can realize meaningful solutions within 5 – 10 years.

National Science Foundation (NSF)

Ongoing

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.

Ceramics (CER)

National Science Foundation, Education and Human Resources (EHR)

Contact: Lynnette Madsen, 703/292-4936, lmadsen@nsf.gov
Solicitation number: NSF 16-597

This program supports fundamental scientific research in ceramics (e.g., oxides, carbides, nitrides and borides), glass-ceramics, inorganic glasses, ceramic-based composites and inorganic carbon-based materials. Projects should be centered on experiments; inclusion of computational and theory components are encouraged. The objective of the program is to increase fundamental understanding and to develop predictive capabilities for relating synthesis, processing, and microstructure of these materials to their properties and ultimate performance in various environments and applications. Research to enhance or enable the discovery or creation of new ceramic materials is welcome. Development of new experimental techniques or novel approaches to carry out projects is encouraged. Topics supported include basic processes and mechanisms associated with nucleation and growth of thin films; bulk crystal growth; phase transformations and equilibria; morphology; surface modification; corrosion, interfaces and grain boundary structure; and defects. Budgets are typically $110K to $160K per year for each project; smaller budgets are permissible. Budgets in excess of $160K per year may be returned without review.

Arctic Research Opportunities

National Science Foundation, Office of Polar Programs

Contact: Anjuli Bamzai, 703/292-8688, abamzai@nsf.gov
Solicitation number: NSF 16-595

The goal of this solicitation is to attract research proposals that advance a fundamental, process, and systems-level understanding of the Arctic’s rapidly changing natural environment and social and cultural systems, and, where appropriate, to improve our capacity to project future change. The Arctic Sciences Section supports research focused on the Arctic region and its connectivity with lower latitudes. The scientific scope is aligned with, but not limited to, research challenges outlined in the Interagency Arctic Research Policy Committee five-year plans. The number of awards and average award size and duration are subject to the availability of funds.
**Geobiology and Low-Temperature Geochemistry**

National Science Foundation, Geosciences (GEO)


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

Solicitation number:  NSF 15-559

The Geobiology and Low-Temperature Geochemistry Program focuses on geochemical processes in terrestrial Earth’s surface environmental systems, as well as the interaction of geochemical and biological processes. The program supports field, laboratory, theoretical, and modeling studies of these processes and related mechanisms at all spatial and temporal scales. Studies may address: 1) inorganic and/or organic geochemical processes occurring at or near the Earth’s surface now and in the past, and across the broad spectrum of interfaces ranging in scale from planetary and regional to mineral-surface and supramolecular; 2) the role of life in the transformation and evolution of Earth’s geochemical cycles; 3) surficial chemical and biogeochemical systems and cycles, including their modification through environmental change and human activities; 4) low-temperature aqueous geochemical processes; 5) mineralogy and chemistry of earth materials; 6) geomicrobiology and biomineralization processes; and 7) medical mineralogy and geochemistry. The Program encourages research that focusses on geochemical processes as they are coupled with physical and biological processes in the critical zone. The Program also supports work on the development of tools, methods, and models for the advancement of low-temperature geochemistry and geobiology. Anticipated funding is $6.3M annually for 25-30 standard awards.

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**Sedimentary Geology and Paleobiology (SGP)**

National Science Foundation, Geosciences (GEO)


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

Solicitation number:  NSF 17-536

Sedimentary Geology and Paleobiology supports innovative research that addresses the deep-time sedimentary crust and advances our understanding of environmental and evolutionary change. The program seeks to fund projects that focus on: (1) the changing aspects of life, ecology, environments, and biogeography in geologic time based on fossil organisms and/or sedimentological data; (2) all aspects of the Earth’s sedimentary lithosphere – insights into the geological processes 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 deep-time (pre-Holocene) sedimentary and biological (fossil) record; and (4) the geologic record of the production, transportation, and deposition of modern and ancient physical and chemical sediments.

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**NSF/FDA Scholar-in-Residence at FDA**

National Science Foundation


Contact:

Solicitation number:  NSF 18-556

The National Science Foundation (NSF), through the Directorate for Engineering, the Directorate of Computer and Information Science and Engineering Division of Computer and Network Systems, and the Directorate for Mathematical and Physical Sciences Division of Materials Research, along with the U.S. Food and Drug Administration (FDA), through its Center for Devices and Radiological Health (CDRH), have established the NSF/FDA Scholar-in-Residence Program at FDA. 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 computer science to develop research collaborations within the intramural research environment at the FDA. This solicitation features three flexible mechanisms for support of research at the FDA: 1) Principal Investigators at FDA; 2) Postdoctoral Researchers at FDA; and 3) Graduate Students at FDA.
High-Risk Research in Biological Anthropology and Archaeology (HRRBAA)

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

The Geomorphology and Land-use Dynamics Program supports innovative research into processes that shape and modify landscapes over a variety of length and time scales. The program encourages research that quantitatively investigates the coupling and feedback among such processes, their rates, and their relative roles, especially in the contexts of variation in climatic, biologic, and tectonic influences and in light of changes due to human impacts. Such research may involve fieldwork, modeling, experimentation, theoretical development, or combinations thereof. Anticipated funding is $5M for a total of 25 to 35 standard or continuing grants per year.

Earth Sciences: Instrumentation and Facilities (EAR/IF)

The Instrumentation and Facilities Program in the Division of Earth Sciences (EAR/IF) supports meritorious requests for infrastructure that promote research and education in areas supported by the Division. EAR/IF will consider proposals for: 1) Acquisition or Upgrade of Research Equipment that will advance laboratory and field investigations and student research training opportunities in the Earth sciences. The maximum request is $500K. The maximum request for upgrade of research group computing facilities remains $75K. 2) Development of New Instrumentation, Techniques or Software that will extend current research and research training capabilities in the Earth sciences. The maximum request is $500K. 3) Community Facility Support to make complex and expensive instruments, systems of instruments or services broadly available to the Earth science research and student communities. There are no maximum request limitations but potential proposers of new Community Facilities must contact cognizant Program Officers before submission.
Archaeology Program - Doctoral Dissertation Research Improvement Awards (Arch-DDRI)

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. DDRI awards may not exceed $20K over the duration of the three-year project period. The maximum project duration is 36 months.

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


Solicitation number: NSF 15-554

Conferences and Workshops in the Mathematical Sciences

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.

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


Solicitation number: NSF 16-550

Documenting Endangered Languages - Doctoral Dissertation Research Improvement Grants (DEL-DDRIG)

The program supports projects that contribute to data management and archiving, and to the development of the next generation of researchers. Funding can support fieldwork and other activities relevant to the digital recording, documenting, and archiving of endangered languages, including the preparation of lexicons, grammars, text samples, and databases. Funding in this solicitation will be available in the form of doctoral dissertation research improvement grants (DDRIGs) for up to 24 months and this solicitation addresses the preparation and evaluation of proposals for DDRIG awards.

The maximum individual award size is $15,000 in direct costs. Indirect costs are in addition to the maximum direct cost limitation and are subject to the awardee’s current federally negotiated indirect cost rate.

Contact:
Colleen Fitzgerald, 703-292-4381, cfitzger@nsf.gov


Solicitation number: NSF 16-617
Plant Genome Research Program (PGRP)

The Plant Genome Research Program (PGRP) supports genome-scale research in plant genomics that addresses challenging questions of biological importance and of relevance to society. The Program encourages the development of innovative tools, technologies and resources that push the boundaries of research capabilities and permit the community to answer seemingly intractable and pressing questions on a genome-wide scale. Emphasis is placed on the creativity of the approach and the scale and depth of the question being addressed. Data produced by plant genomics should be usable, accessible, integrated across scales and of high impact across biology. Training and career advancement in plant genomics is featured as an essential element of scientific progress. The PGRP continues to focus on plants of economic importance and biological processes and interactions that will have broad impact on the scientific research community and society in general.

Four funding opportunities are currently available:

1) Genome-scale plant research and/or tool development to address fundamental biological questions in plants of economic importance on a genome-wide scale (RESEARCH-PGR)
2) Plant Transformation Challenge Grants to overcome constraints in plant transformation through breakthrough discoveries (TRANSFORM-PGR)
3) Data Mining Challenge Grants to mine, reuse and unleash new information from available large-scale datasets (MINE-PGR)
4) Career Advancement to build new careers in plant genomics as early career awards (ECA-PGR) or mid-career awards (MCA-PGR).

Condensed Matter and Materials Theory (CMMT)

The CMMT program supports fundamental research that advances conceptual understanding of hard and soft materials, and materials-related phenomena; the development of associated analytical, computational, and data-centric techniques; and predictive materials-specific theory, simulation, and modeling for materials research. First-principles electronic structure, quantum many-body and field theories, statistical mechanics, classical and quantum Monte Carlo, and molecular dynamics, are among the methods used in the broad spectrum of research supported in CMMT. Research may encompass the advance of new paradigms in materials research, including emerging data-centric approaches utilizing data-analytics or machine learning. Computational efforts span from the level of workstations to advanced and high-performance scientific computing. Emphasis is on approaches that begin at the smallest appropriate length scale, such as electronic, atomic, molecular, nano-, micro-, and mesoscale, required to yield fundamental insight into material properties, processes, and behavior, to predict new materials and states of matter, and to reveal new materials phenomena. Approaches that span multiple scales of length and time may be required to advance fundamental understanding of materials properties and phenomena, particularly for polymeric materials and soft matter. Areas of recent interest include, but are not limited to: strongly correlated electron systems; active matter; topological phases; low-dimensional materials and systems; quantum and classical nonequilibrium phenomena, the latter including pattern formation, materials growth, microstructure evolution, fracture, and the jamming transition; gels; glasses; disordered materials, hard and soft; defects; high-temperature superconductivity; nanostructured materials and mesoscale phenomena; creation and manipulation of coherent quantum states; polymeric materials and soft condensed matter, biologically inspired materials, and research at the interface with biology.
Re-entry to Active Research Program (RARE)

National Science Foundation


Contact: Jose Lage, 703/292-4997, jlage@nsf.gov

Solicitation number: NSF 18-525

The primary objective of the RARE program is to catalyze the advancement along the academic tenure-track of highly meritorious individuals who are returning from a hiatus from active research. By providing re-entry points to active academic research, the RARE program will reinvest in the nation’s most highly trained scientists and engineers, while broadening participation and increasing diversity of experience. A RARE research proposal must describe potentially transformative research that falls within the scope of participating CBET programs. Investigators must contact a RARE program director to confirm eligibility prior to submission. The investigator must hold a PhD in engineering or a closely related discipline, with prior research experiences in an area within the scope of the Division of Chemical, Bioengineering, Environmental, and Transport Systems. Awards are approximately $300k each.

Coupling, Energetics, and Dynamics of Atmospheric Regions (CEDAR)

National Science Foundation


Contact: Ruth Lieberman, 703/292-8529, rlieberm@nsf.gov

Solicitation number: NSF 18-544

The CEDAR program is a broad-based research program with the goal of understanding the behavior of atmospheric regions from the middle atmosphere upward through the thermosphere and ionosphere into the exosphere in terms of coupling, energetics, chemistry, and dynamics on regional and global scales. These processes are related to the sources of perturbations that propagate upward from the lower atmosphere as well as to solar radiation and particle inputs from above. The activities within this program combine observations from ground based and space based platforms, theory and modeling. Funding is pending availability of funds.

Geospace Environment Modeling (GEM)

National Science Foundation


Contact: Carrie Black, 703/292-2426, cblack@nsf.gov

Solicitation number: NSF 18-543

GEM is a broad-based research program investigating the physics of the Earth’s magnetosphere and the coupling of the magnetosphere to the atmosphere and to the solar wind. The goal of the GEM program is to make accurate predictions of the geospace environment by developing physical understanding of the large-scale organization and dynamics from observations, theory, and increasingly realistic models. The typical award size is approximately $120K per year with a duration of three years. The maximum award size is $150K per year.

Leading Engineering for America’s Prosperity, Health, and Infrastructure (LEAP HI)

National Science Foundation


Contact:

Solicitation number: NSF 17-602

The LEAP HI program challenges the engineering research community to take a leadership role in addressing demanding, urgent, and consequential challenges for advancing America’s prosperity, health and infrastructure. LEAP HI proposals confront engineering problems that are too complex to yield to the efforts of a single investigator — problems that require sustained and coordinated effort from interdisciplinary research teams, with goals that are not achievable through a series of smaller, short-term projects. LEAP HI projects perform fundamental research that may lead to disruptive technologies and methods, lay the foundation for new and strengthened industries, enable notable improvements in quality of life, or re-imagine and revitalize the built environment. LEAP HI supports fundamental research projects involving collaborating investigators, of duration up to five years, with total budget between $1 million and $2 million.
Prediction of and Resilience against Extreme Events (PREEVENTS)

National Science Foundation


Contact: Eric DeWeaver, 703/292-8527, edeweave@nsf.gov

Solicitation number: NSF 16-562

PREEVENTS is focused on natural hazards and extreme events, and not on technological or deliberately human-caused hazards. The PREEVENTS portfolio will include the potential for disciplinary and multidisciplinary research at all scales, particularly aimed at areas ripe for significant near- or medium-term advances. PREEVENTS seeks projects that will (1) enhance understanding of the fundamental processes underlying natural hazards and extreme events on various spatial and temporal scales, as well as the variability inherent in such hazards and events, and (2) improve our capability to model and forecast such hazards and events.

The two program tracks available are: Track 1 (Conferences) proposals may be submitted for conferences that will foster development of interdisciplinary or multidisciplinary communities required to address complex questions surrounding natural hazards and extreme events; and Track 2 which welcomes proposals addressing both primary targets described above, but which may extend beyond what is typically supported by GEO “core” programs due to the scope, scale, and/or complexity of the problem to be studied or approaches to be used; because the problem requires a multidisciplinary approach spanning multiple GEO programs or divisions; or for other similar programmatic reasons. Budgets for Track 1 proposals are generally limited to less than $50K, but under exceptional circumstances may be up to $100K. Track 2 proposals may be submitted for durations of up to five years. Project durations and budgets must be commensurate with the scope of the work proposed, and with guidance provided elsewhere in this solicitation regarding anticipated program resources.

Smart and Autonomous Systems (S&AS)

National Science Foundation


Contact: Reid Simmons, 703/292-4767, resimmon@nsf.gov

Solicitation number: NSF 18-557

This program focuses on Intelligent Physical Systems (IPS) that are capable of robust, long-term autonomy requiring minimal or no human operator intervention in the face of uncertain, unanticipated, and dynamically changing situations. IPS are systems that combine perception, cognition, communication, and actuation to operate in the physical world. Examples include, but are not limited to, robotic platforms, self-driving vehicles, underwater exploration vehicles, and smart grids. The S&AS program supports research in four main aspects of IPS: cognizant, taskable, adaptive, and ethical. Foundational projects are anticipated to range from $300,000 to $600,000 in total costs for up to three years. Integrative projects are anticipated to range from $500,000 to $1,000,000 in total costs for up to four years.

Opportunities for Promoting Understanding through Synthesis (OPUS)

National Science Foundation


Contact: Maria Gonzalez, 703/292-4659, cstmary@nsf.gov

Solicitation number: NSF 14-559

All four clusters within the Division of Environmental Biology (Population and Community Ecology, Ecosystem Science, Evolutionary Processes, and Systematics and Biodiversity Science) encourage the submission of proposals aimed at synthesizing a body of related research projects conducted by a single individual or a group of investigators over an extended period. OPUS proposals will often be appropriately submitted in mid-to-late career, but will also be appropriate early enough in a career to produce unique, integrated insight useful both to the scientific community and to the development of the investigator’s future work. In cases where multiple scientists have worked collaboratively, an OPUS award will provide support for collaboration on a synthesis.
Long Term Research in Environmental Biology (LTREB)
National Science Foundation, Biological Sciences (BIO)
Contact: Mary Beth Von Holle, 703/292-4974, mvonholl@nsf.gov
Solicitation number: NSF 17-513
This FOA encourages the submission of proposals that generate extended time series of biological and environmental data to address ecological and evolutionary processes and resolve important issues in organismal and environmental biology. Researchers must have collected at least six years of previous data to qualify for funding, and these data must motivate the proposed research. The proposal also must present a cohesive conceptual rationale or framework for ten years of research. Awards are not to exceed $90K per year (direct and indirect costs) and $450K over a five-year effort.

Division of Environmental Biology (CORE programs) (DEB)
National Science Foundation, Biological Sciences (BIO)
Contact: 703/292-8480, debquestions@nsf.gov
Solicitation number: NSF 17-512
The Division of Environmental Biology (DEB) 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. Research on organismal origins, functions, relationships, interactions, and evolutionary history may incorporate field, laboratory, or collection-based approaches; observational or manipulative experiments; synthesis activities; as well as theoretical approaches involving analytical, statistical, or computational modeling.

Innovative Technology Experiences for Students and Teachers (ITEST)
National Science Foundation, Education and Human Resources (EHR)
Contact: 703/292-8628, DRLITEST@nsf.gov
Solicitation number: NSF 17-565
The ITEST program supports projects that will advance understanding of how to foster increased levels of interest and readiness among students for occupations in science, technology, engineering, and mathematics (STEM), and related fields such as information and communications technologies (ICT). The program seeks to enrich the formal and informal learning experiences of PreK-12 students by supporting projects that: a) increase awareness among students of STEM-related occupations; b) motivate students to pursue appropriate education pathways for STEM-related occupations; and/or c) provide students with technology-rich experiences that develop disciplinary-based knowledge and practices, or promote critical thinking, reasoning skills, or communication skills needed for entering STEM workforce sectors. The ITEST program supports these efforts through two types of research and development projects: (1) Strategies projects that address the initial design, development, and implementation of innovative technology-related interventions, and (2) SPrEaD (Successful Project Expansion and Dissemination) projects that support the further examination of interventions that have demonstrated evidence of impact. Approximately 15-20 Strategies awards with durations up to three years and total budgets up to $1.2M each will be made; and approximately 5-10 SPrEaD awards with durations of three to five years and total budgets up to $2M each will be made.
8/8/2018  Full Proposal
8/14/2019  Full Proposal

**Computer and Information Science and Engineering (CISE) Research Initiation Initiative (CRII)**

National Science Foundation


Contact:

Solicitation number: NSF 18-554

This program supports untenured faculty or research scientists (or equivalent) in their first three years in a primary academic position after the PhD, but not more than a total of five years after completion of their PhD, with the goal of encouraging research independence immediately upon obtaining their first academic position after receipt of the PhD. Faculty may not yet have received any other grants or contracts in the Principal Investigator (PI) role from any department, agency, or institution of the federal government, including from the CAREER program or any other program, post-PhD, regardless of the size of the grant or contract. Each award will be up to $175,000 for up to 24 months.

8/8/2018  Full Proposal

**GeoPrisms Program**

National Science Foundation, Geosciences (GEO)


Contact: Maurice Tivey, 703/292-7710, mtivey@nsf.gov

Solicitation number: NSF 18-559

GeoPRIMSM (Geodynamic Processes at Rifting and Subducting Margins) Program investigates the coupled geodynamics, earth surface processes, and climate interactions that build and modify continental margins over a wide range of timescales. These interactions cross the shoreline and have applications to margin evolution and dynamics, construction of stratigraphic architecture, accumulation of economic resources, and associated geologic hazards and environmental management. The GeoPRIMSM Program includes two broadly integrated science initiatives (Subduction Cycles and Deformation (SCD) and Rift Initiation and Evolution (RIE)), linked by five overarching scientific topics and themes, where transformative advances are likely to occur in the decade 2011-2020, and where a focused scientific program could be most effective. These overarching science topics include 1) Origin and evolution of continental crust; 2) Fluids, magmas and their interactions; 3) Climate-surface-tectonics feedbacks; 4) Geochemical cycles; and 5) Plate boundary deformation and geodynamics. Each of the initiatives has identified primary sites for focused investigations, as well as thematic studies that will complement primary site studies. Under this solicitation, the program expects to make approximately 10 standard or continuing awards. NSF anticipates having approximately $3 million in fiscal year 2019, and that this level will continue through the end of the program currently marked for fiscal year 2020, pending the availability of funds.

8/13/2018  Full Proposal

8/14/2018  Preliminary Proposal Phase I
10/10/2018  Full Proposal Phase II Renewal
2/20/2019  Full Proposal phase I (by invitation only)

**Centers for Chemical Innovation (CCI) Phase I Awards and Phase II Center Renewal**

National Science Foundation


Contact:

Solicitation number: NSF 18-555

The Centers for Chemical Innovation (CCI) Program supports research centers focused on major, long-term fundamental chemical research challenges. CCI sites that address these challenges will produce transformative research, lead to innovation, and attract broad scientific and public interest. CCI sites are agile structures that can respond rapidly to emerging opportunities through enhanced collaborations. CCI sites integrate research, innovation, education, broadening participation, and informal science communication. In FY 2019, NSF anticipates making three new Phase I awards (each up to $1,800,000 for 3 years) as standard or continuing grants and up to one renewal Phase II award (up to $4,000,000 per year for 5 years) as a cooperative agreement, pending availability of funds and submission of sufficient quality proposals.
Cultural Anthropology Program Senior Research Awards (CA-SR)

National Science Foundation

Contact: Deborah Winslow, (703) 292-7315, dwinslow@nsf.gov

The primary objective of the Cultural Anthropology Program is to support fundamental, systematic anthropological research and training to increase understanding of the causes, consequences, and complexities of human social and cultural variability. The Cultural Anthropology Program welcomes proposals from researchers in all sub-fields of cultural anthropology and research at any temporal and spatial scale. Methodologies and approaches employed may include ethnographic field research, surveys, remote sensing, the collection of bio-markers, experimental research inside or outside of laboratory settings, archival research, the analysis of materials collections and extant data bases, mathematical and computational modeling, and other research tools as appropriate for the research proposed. The overarching research goals should be to produce empirically grounded findings that will be generalizable beyond particular case studies and contribute to building a more robust anthropological science of human society and culture.

Science of Science and Innovation Policy Doctoral Dissertation Research Improvement Grants (SciSIP-DDRIG)

National Science Foundation

Contact: Maryann Feldman, 703/292-8854, mfeldman@nsf.gov

This program supports research designed to advance the scientific basis of science and innovation policy. Research funded by the program thus develops, improves and expands models, analytical tools, data and metrics that can be applied in the science policy decision making process. Among the many research topics supported are: 1) examinations of the ways in which the contexts, structures and processes of science and engineering research are affected by policy decision, 2) the evaluation of the tangible and intangible returns from investments in science and from investments in research and development, 3) the study of structures and processes that facilitate the development of usable knowledge, theories of creative processes and their transformation into social and economic outcomes, 4) the collection, analysis and visualization of new data describing the scientific and engineering enterprise. The maximum award amount is $20K.

International Research Experiences for Students (IRES)

National Science Foundation

Contact: Maija M. Kukla, (703) 292-4940, mkukla@nsf.gov

This program supports international research and research-related activities for U.S. science and engineering students. The IRES program contributes to development of a diverse, globally-engaged workforce with world-class skills. IRES focuses on active research participation by undergraduate or graduate students in high quality international research, education and professional development experiences in NSF-funded research areas. This solicitation features three mechanisms; proposers are required to select one of the following tracks to submit their proposal:

Track I focuses on the development of world-class research skills in international cohort experiences (up to $400k). Track II is dedicated to targeted, intensive learning and training opportunities that leverage international knowledge at the frontiers of research (up to $150k). Track III calls for U.S. institutional partnerships and coalitions to develop and evaluate innovative models for high-impact, large-scale international research and professional development experiences for graduate students, as individuals or groups (up to $1M).
Surdna Foundation Grants

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.

Ongoing

Smith Richardson Foundation Grants

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.

Ongoing

Asia Responsive Grants

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.

Ongoing

PepsiCo Grants

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.

Public Welfare Grants
Public Welfare Foundation
http://www.publicwelfare.org/grants-process/
Contact: 202/965-1800, info@publicwelfare.org
Solicitation number:
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
National Geographic Society
http://www.nationalgeographic.com/field/grants-programs/cre-application/
Contact: cre@ngs.org
Solicitation number:
The National Geographic Society awards grants for scientific field research and exploration with both a geographical dimension and relevance to other scientific fields. Applications are generally limited to the following disciplines: anthropology, archaeology, astronomy, biology, botany, geography, geology, oceanography, paleontology, and zoology. The committee is emphasizing multidisciplinary projects that address environmental issues. Most grant amounts range from $15K to $20K and are given for one year’s research. Approximately 250 grants are awarded per year. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

FSSS Grants-in-Aid Program
The Foundation for the Scientific Study of Sexuality (FSSS)
http://www.sexscience.org/honors/fsss_grants_in_aid_program/
Contact:
Solicitation number:
This program provides up to $1K per grant to support scientific sexuality research in areas not likely to receive support from other sources. The money may be used for either a small project that can be completed with the help of the grant or as part of a larger study that might ultimately be funded from other sources. The competition is open to all professionals conducting research on human sexuality. Proposals involving uniquely timely research opportunities, new investigators, volunteer research teams, and actual, not pilot, projects are especially encouraged. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.
**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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**Mathers Grants**
The G. Harold & Leila Y. Mathers Charitable Foundation
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.

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**Conservation Trust Grant**
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.
Ongoing

**Pollock-Krasner Grants**
The Pollock-Krasner Foundation, Inc.
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.

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.

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.

Documentary Film Program
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 film language, effective storytelling, originality and feasibility, contemporary cultural relevance, and potential to reach and connect with its intended audience. Preference is given to projects that convey clear story structure, higher stakes and contemporary relevance, forward going action or questions, demonstrated access to subjects, and quality use of film craft.

Humanities Research Projects
Gerda Hengel Foundation
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.

Research Grants for PhD Candidates
Horowitz Foundation for Social Policy
http://www.horowitz-foundation.org/grant-info/
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.
Practitioner Bellagio Residency
Rockefeller Foundation
https://www.rockefellerfoundation.org/our-work/bellagio-center/residency-program/
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.

Open Society Fellowship
Open Society Foundations
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.

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.

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.
**PHD Scholarships**

Gerda Hengel Foundation

http://www.gerda-henkel-stiftung.de/phd-scholarships

Contact: Anna Kuschmann, kuschmann@gerda-henkel-stiftung.de

Solicitation number:

The aim of this scholarship programme is to support highly qualified young scholars. The Foundation will only consider applicants who have proven their exceptional talents by means of their achievements in their studies and the results of their examinations and whose dissertations are expected to be well above the average. The duration and course of the studies, final grade, age and any special qualifications will play a significant role in the selection process. Only applicants who are not older than 28 years at the time of concluding their master studies may be included in the selection process. For an application to be considered in the selection process the overall master grade awarded must be at least 1.5 or above in Germany (comparable with grade A in other countries). Foreign degrees will be reviewed separately in the Foundation's office. The final grade achieved in legal exams also will likewise be assessed separately. Duration is 2 years and monthly scholarship award is 1,400 euros.

**Evidence for Action: Investigator-Initiated Research to Build a Culture of Health**

Robert Wood Johnson Foundation


Contact: Erin Hagan, evidenceforaction@ucsf.edu

Solicitation number:

Evidence for Action (E4A), a national program of the Robert Wood Johnson Foundation, funds research that expands the evidence base needed to build a Culture of Health. Our mission is to support rigorously designed quantitative, qualitative, and mixed methods research that yields convincing findings regarding the population health, well-being, and equity impacts of specific policies, programs and partnerships. We are especially interested in research examining the health impacts of programmatic or policy interventions that address factors outside the domain of health care services or public health practice. There is not an explicit range for allowable budget requests. You should request the amount of funding you will need to complete your proposed research project – including both direct and indirect costs for the entire duration of your study. Grant periods may be for durations of up to 36 months.

**Submit a Pioneering Ideas Brief Proposal**

Robert Wood Johnson Foundation


Contact:

Solicitation number:

The goal of the Pioneering Ideas Brief Proposal funding opportunity is to explore; to look into the future and put health first as we design for changes in how we live, learn, work and play; to wade into uncharted territory in order to better understand what new trends, opportunities and breakthrough ideas can enable everyone in America to live the healthiest life possible. Keep in mind that ultimately, we need you to challenge us, and to tell us where we should be going and what ideas have the most potential to transform the way we think about health. As you review the examples, you may notice some shared themes or characteristics which: Challenge assumptions or long-held cultural practices; Take an existing idea and give it a new spin—or a novel application; Offer a new take or perspective on a long-running, perplexing problem; Apply cutting-edge ideas from other fields to health; Explore the potential for emerging trends to impact our ability to build a Culture of Health.
**Brimstone Award for Applied Storytelling**

National Storytelling Network

[https://storynet.org/about-nsn/awards/brimstone-award/](https://storynet.org/about-nsn/awards/brimstone-award/)

Contact: 800/525-4514

Solicitation number:

The National Storytelling Network seeks to support a community-focused project that focuses on the transformative properties of storytelling in individuals and communities. NSN will provide the winning project an award of $5K, after carefully considering these questions: What will have been transformed at the end of this project? What stories will have been told? What role will applied storytelling have played? Who will have told these stories? Where? To what purpose? How will this project communicate to new audiences or in new ways about the possibilities of applied storytelling? Applicants who are not members of the National Storytelling Network must pay the current membership fee to join the National Storytelling Network before the application will be considered and continue to be members for the term of the funded project.

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**AWS Cloud Credits for Research**

Amazon

[https://aws.amazon.com/research-credits/](https://aws.amazon.com/research-credits/)

Contact:

Solicitation number:

The AWS Cloud Credits for Research Program (formerly AWS Research Grants) supports researchers who seek to: 1) Build cloud-hosted publicly available science-as-a-service applications, software, or tools to facilitate their future research and the research of their community. 2) Perform proof of concept or benchmark tests evaluating the efficacy of moving research workloads or open data sets to the cloud. 3) Train a broader community on the usage of cloud for research workloads via workshops or tutorials.

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**Initiator Award (INI)**

American Diabetes Association

[https://professional.diabetes.org/meetings/pathway-stop-diabetes%C2%AE](https://professional.diabetes.org/meetings/pathway-stop-diabetes%C2%AE)

Contact: 800/342-2383, pathway@diabetes.org

Solicitation number:

Pathway seeks to bring new investigators and new perspectives to diabetes research. Supporting scientists with different backgrounds and experience is critical to achieving that objective. Pathway accepts nominations for exceptional investigators with medical and scientific backgrounds who propose innovative basic, clinical, translational, behavioral, epidemiological and health services research relevant to any type of diabetes, diabetes-related disease state or complication. Pathway solicits nominations for candidates in all disciplines as applied to diabetes including medicine, biology, chemistry, computing, physics, mathematics and engineering. In addition, nomination of scientists from diverse backgrounds, including minority groups that are underrepresented in biomedical research, is strongly encouraged. This two-phased award is designed to support the transition of scientists from mentored training to independent research faculty. Eligible applicants must currently be in research training positions (post-doctoral fellow, research fellowship) and have no more than seven years of research training following terminal doctoral degree. Applicants cannot concurrently hold an NIH K99/R00 grant. Candidates must be identified through institutional nomination; applications will be accepted only from individuals with the appropriate institution support. Awards provide two distinct phases of research support: Phase 1 provides up to two years of support for mentored training at a maximum of $100K per year (including 10% indirect costs), Phase 2 provides up to five years of support for independent research at a maximum of $325K per year (including 30% indirect costs). Maximum combined support for Phase 1 and Phase 2 is $1.625M.
**Accelerator Award (ACE)**
American Diabetes Association

https://professional.diabetes.org/meetings/pathway-stop-diabetes%20AE

Contact: 800/342-2383, pathway@diabetes.org

Solicitation number:

This award is designed to support exceptional, independent early-career researchers who have distinguished themselves as promising investigators and are in the beginning stages of establishing successful, sustainable diabetes research programs. Awards are available to early-career diabetes investigators proposing innovative and ambitious diabetes-related research programs. Applicants must hold faculty positions and have demonstrated independent productivity in diabetes research. Applicants may currently hold independent NIH funding (K, U or R awards, including an initial R01/U01) but must not have applied for, or received, an R01/U01 renewal or a second R01/U01 award. Candidates must be identified through institutional nomination; applications will be accepted only from individuals with the appropriate institution support. Awards provide five years of research support at a maximum of $325K per year (including 30% indirect costs), for a total of $1.625M.

**Visionary Award (VSN)**
American Diabetes Association

https://professional.diabetes.org/meetings/pathway-stop-diabetes%20AE

Contact: 800/342-2383, pathway@diabetes.org

Solicitation number:

Awards are designed to support established, experienced investigators with strong records of outstanding productivity in fields outside of diabetes who are interested in applying their considerable skills and expertise to diabetes research. These awards are highly competitive and intended to support particularly innovative and transformational ideas that have the potential to have an exceptional impact in diabetes. Applicants must hold independent faculty positions and have demonstrated significant productivity in their current field of research. Applicants cannot have previously received national grant support (NIH, NIDDK, ADA, JDRF, etc.), as either a PI or Co-PI, in diabetes or diabetes-related research. Awards provide two distinct phases of research support: Phase 1 provides up to three years of support at a maximum of $325K per year (including 30% indirect costs), Phase 2 provides up to two years of support at a maximum of $325K per year (including 30% indirect costs). Phase 2 is contingent upon demonstration of significant contributions to the field of diabetes research in Phase 1. Maximum combined support for Phase 1 and Phase 2 is $1.625M.

**UEF Grants Program**
United Engineering Foundation

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

Contact: 973/244-2328, engfnfd@aol.com

Solicitation number:

The United Engineering Foundation advances the engineering arts and sciences for the welfare of humanity. It supports engineering and education by, among other means, making grants. Broad-based, interdisciplinary proposals that further the engineering profession as a whole are preferred. Multiple-year proposals are welcome, but funding is awarded for a single year only. Proposals by individuals are seldom accepted. 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.
### Program on Social Inequality
Russell Sage Foundation
http://www.russellsage.org/research/social-inequality/funding_opportunity

Contact: James Wilson, james@rsage.org

Solicitation number:
This program supports innovative research on whether rising economic inequality has affected social, political, and economic institutions, and the extent to which increased inequality has affected equality of opportunity, social mobility, and the intergenerational transmission of advantage. We seek investigator-initiated research projects that will broaden our understanding of the causes and consequences of rising economic inequalities in the United States. Applications should limit budget requests to no more than a two-year period, with a maximum of $150K (including overhead) per project. Presidential Awards, with a maximum budget of $35K (no overhead allowed) are also available. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ucsb.edu or x8406) for more information and coordination purposes.

### Abe Fellowship Program
Social Science Research Council
http://www.ssrc.org/fellowships/abe-fellowship/

Contact: 212/377-2700, abe@ssrc.org

Solicitation number:
The Abe Fellowship is designed to encourage international multidisciplinary research on topics of pressing global concern. The program seeks to foster the development of a new generation of researchers who are interested in policy-relevant topics of long-range importance and who are willing to become key members of a bilateral and global research network built around such topics. It strives especially to promote a new level of intellectual cooperation between the Japanese and American academic and professional communities committed to and trained for advancing global understanding and problem solving. Applicants are invited to submit proposals for research in the social sciences and related disciplines relevant to any one or any combination of the themes: 1) Traditional and non-traditional approaches to security and diplomacy; 2) Global and regional economic issues; and 3) Social and cultural issues. The program provides Abe Fellows with a minimum of 3 and maximum of 12 months of full-time support over a 24 month period. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

### Memory and Cognitive Disorders Awards
The McKnight Endowment Fund for Neuroscience

Contact: Eileen Maler, 612/333-4220, emaler@mcknight.org

Solicitation number:
These awards support innovative efforts to solve the problems of neurological and psychiatric diseases, especially those related to memory and cognition. They encourage research aimed at translating laboratory discoveries about the brain and nervous system into diagnoses and therapies to improve human health. Collaborative projects between basic and clinical neuroscientists are welcomed, as are proposals that help link basic with clinical neuroscience. The maximum award provides $100K per year for three years.
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.