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

RESEARCH DEVELOPMENT CONTACT INFORMATION
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FACULTY GRANT AND FELLOWSHIP WRITING SEMINAR SERIES
For faculty in the social sciences, humanities, fine arts, and education

This 4-day seminar series is for faculty members who are ready to prepare an extramural proposal (or who have a draft proposal) that they plan to submit to a funding agency in 2017-2018. The seminar will provide a systematic and detailed explanation of the grant writing process, including interactive workshops on productive writing strategies, generating research proposal ideas, and writing the specific key sections of a proposal.

The seminar presentations, workshops, and individualized consultation will be provided by Barbara Walker, Director of Research Development for the Social Sciences, and Karen Lunsford, Associate Professor in the Writing Program. Guest speakers from the Library and the College of L&S will also present on special topics. Lunch will be provided at every seminar.

Application Deadline: April 7, 2017
URL: https://oru.research.ucsb.edu/seminar/schedule/

FACULTY RESEARCH GRANTS CALL FOR PROPOSALS
The Academic Senate is now accepting proposals for faculty grants and the applications are now available online. The aim of these small grants is to support both quantitative and qualitative faculty research efforts, as well as faculty development across the campus. Proposals may be considered up to $20,000, with high budget projects subject to extra scrutiny.

Funding is competitive on the basis of scholarly excellence with priorities for:
• Junior faculty with a clear need for funding;
• Projects for which no extramural funding source can be identified;
• Requests for seed monies with high potential for graduation to extramural funding;
• Requests that extend/augment work currently supported by extramural funds in particular to prepare extramural renewal proposals.

Deadline: March 31, 2017
URL: http://senate.ucsb.edu/grants/faculty.research/

AAAS: PRESIDENT’S BUDGET PLAN WOULD CRIPPLE S&T

Related articles:

The Washington Post has summarily broken down what will be cut from the various agencies: http://www.washingtonpost.com/graphics/politics/trump-presidential-budget-


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: Encouraging Submission of Industry/University Cooperative Research Centers (IUCRC) Proposals in the Area of Cybersecurity

This Dear Colleague Letter (DCL) encourages collaborations between industry and academia in the area of cybersecurity. The aim is to establish multi-university IUCRCs that, in collaboration with their industry partners, are capable of collectively addressing large-scale and cross-disciplinary challenges in the broad area of cybersecurity. NSF therefore welcomes and encourages proposals in response to the IUCRC program solicitation, NSF 17-516, in the areas outlined in this DCL. This DCL is also complementary to NSF’s Secure and Trustworthy Cyberspace (SaTC) program (https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504709), and topics highlighted in the SaTC program solicitation (NSF 16-580) are potential areas of precompetitive research that a multi-university IUCRC in cybersecurity might address.

Dear Colleague Letter: Public Participation in Engineering Research: Water Quality

This DCL invites proposals that address a variety of water quality research topics including: inorganic, organic and microbial contaminants in ground water and surface water; upstream and downstream wastewater discharge; drinking water infrastructure and distribution systems, including private wells and taps; quality/quantity water relationships; and water used for other purposes like irrigation. To support the continued expansion of relevant research involving citizen science, crowdsourcing, and related forms of public participation proposals must explore new and improved methods and technologies for improved data collection and management, novel applications of previously tested methods for purposes of data collection and analysis, and/or research on underlying theory and methodologies that shape citizen science and crowdsourcing research in engineering. Community partnerships and the inclusion of social and behavioral science expertise are encouraged.

TRAINING FOR ADMINISTRATORS IN RESEARCH (STAR)

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

The program is designed for employees with duties and responsibilities related to contract and grant administration. Participants are welcome to take one or several courses in areas of particular interest to them—or they may opt to earn a certificate in the STAR program. The certificate program offers 11 required courses offered from September through May. To
earn a certificate, you must take all 11 classes. Staff members who wish to earn a STAR Program Certificate must complete the coursework in one or two years from the date they begin the course series. For more information, including a complete list of courses and registration information, visit http://www.research.ucsb.edu/spo/contracts-and-grants-liaison-resources/star-class-schedule/

Upcoming:

**Research Administration and Compliance I (3 hours)**
This course addresses the research administration compliance environment, including federal and state conflict-of-interest regulations, significant compliance risks in research administration; research misconduct; export control; and insider tips/preparing for an audit, the UC Whistleblower Policy, and real-life examples of university research compliance issues.

*Offered: Wednesday, April 05, 2017; 9:00am-12noon*
*Instructor: Karen Hanson; Brian McCurdy/Bradt Burgess and Robert Tarsia*
*Location: Marine Science Building Auditorium (MSB 1302)*

**Research Compliance II (2 hours)**
This course provides a brief overview of human subjects, animal subjects and stem cell use in research and Responsible conduct of Research (RCR).

*Offered: Wednesday, April 19, 2017; 9:00am-11:00am*
*Instructors: Melissa Warren & Melodie Blakemore/Brandt Burgess*
*Location: Marine Science Building Auditorium (MSB 1302)*

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

Programs with upcoming campus deadlines include:

- NIH Bridges to the Baccalaureate (R25)—Campus Notice of Intent 5/25/2017; Full Proposal 9/25/2017
- NIH Bridges to the Doctorate (R25)—Campus Notice of Intent 5/25/2017; Full Proposal 9/25/2017

Programs with open campus spots (please contact funding@research.ucsb.edu if you are interested in submitting to one of these programs):

- NSF Management and Operations of the Arecibo Observatory—Full Proposal 4/25/2017
- NIH Data Science Research: Personal Health Libraries for Consumers and Patients (R01)—Full Proposal 5/1/2017
- NSF Tomorrow’s Internet Project Office (TIPOFF)—Full Proposal 5/2/2017
Contract and Grant Awards  
February 2017

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

Bates, C.M. (Chemical Engineering), Segalman, R. (Materials), $450,000, Semiconductor Research Corporation, “Selective Spin-on Deposition of Polymers.”


Davis, F.W. (Donald Bren School of Environmental Science & Management), National enter for Ecological Analysis and Synthesis, $45,193, Cary Institute of Ecosystem Studies, “Workshop-NEON: Synergies Between NEON and LTER.”

De Tomaso, A.W. (Molecular, Cellular & Developmental Biology), $1,161,833, NIH General Medical Sciences, National Institute Of, “Molecular mechanisms of allorecognition in a basal chordate.”

Derwin, S. (Germanic, Slavic, & Semitic Studies), Interdisciplinary Humanities Center, $30,000, NFAH National Endowment for the Humanities-NEH, “2017 University of California Veteran’s Summer Writing Workshop.”

Florsheim, J.L. (Earth Research Institute), $13,943, CSU San Diego State University, “Evaluating Potential Environmental Impacts from Channel Morphology and Habitat Changes to the Santa Ana River Downstream of Prado Dam.”

Grafton, S.T. (Psychological & Brain Sciences), $76,750, Rutgers University, “Brain Network Mechanisms of Instructed Learning.”


Kosik, K.S. (Molecular, Cellular & Developmental Biology), Neuroscience Research Institute, $606,000, DOD Advanced Research Projects Agency (DARPA), “Increasing the resolution of neural connectivity to infer neural encoding.”


Michaelsen, J.C. (Geography), Stratton, E. (Earth Research Institute - CCBER), $1,053,126, Cal Coastal Conservancy, “North Campus Open Space Wetland Transition.”

Michaelsen, J.C. (Geography), Stratton, E. (Earth Research Institute - CCBER), $692,463, Cal Coastal Conservancy, “North Campus Open Space Vernal Pool Complex Restoration Project.”

Michaelsen, J.C. (Geography), Stratton, E. (Earth Research Institute - CCBER), $18,000, Santa Barbara, County of, “North Campus Open Space Vernal Pool Complex Restoration Project.”

Mitragotri, S.S. (Chemical Engineering), $315,600, Johns Hopkins University, “Defining IL-4-activated monocytes as a viable cellular immunotherapy in acute lung injury.”

O’Malley, M.A. (Chemical Engineering), California Nanosystems Institute, $30,000, DA Army Research Laboratory, “3a: Microbial Consortia and Biofilms Workshop.”

Przekop, L. (Admissions), $142,000, UC Office Of The President, “CCC-UC Partnership: Increasing UC Student Equity and Diversity by Supporting California Community College Students, Counselors, and Faculty.”

Rudnick, R.L. (Earth Science), Cottle, J.M. (Earth Science), Earth Research Institute, $394,453, National Science Foundation-NSF, “U-Pb thermochronology of lower crustal xenoliths -- estimating Moho temperature in order to constrain crustal heat production.”

Sandoval, C., Swarbrick, S.L. (Marine Science Institute), $23,000, Santa
Barbara, County of, “Coal Point Reserve Education & Conservation Center.”

Valentine, M.T. (Mechanical Engineering), $39,979, Raytheon Company, “Analysis of silicone adhesives for applications to focal plane arrays.”

Zok, F.W., Levi, C.G. (Materials), $600,000, Office of Naval Research (ONR), “Matrix Concepts and Processing Protocols for Robust SiC-Based CMCs.”
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 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.

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**Biotechnology Risk Assessment Research Grants Program (BRAG)**

National Institute of Food and Agriculture


Contact: Shing Kwok, electronic@nifa.usda.gov

Solicitation number:

NIFA requests applications for the Biotechnology Risk Assessment Research Grants (BRAG) Program for fiscal year (FY) 2017 to support environmental assessment research concerning the introduction of genetically engineered (GE) organisms into the environment. The purpose of the BRAG program is to support the generation of new information that will assist Federal regulatory agencies in making science-based decisions about the effects of introducing into the environment genetically engineered organisms (GE), including plants, microorganisms — such as fungi, bacteria, and viruses — arthropods, fish, birds, mammals and other animals excluding humans. Investigations of effects on both managed and natural environments are relevant. NIFA is soliciting applications for the BRAG Program under the following project type: 1) Standard Research Proposals, with a maximum award of $500K over 4 years; 2) Conference Proposals, with maximum award of $25K.

| 3/31/2017  | Full Proposal |

**AFRI Foundational: Exploratory Research**

National Institute of Food and Agriculture

https://nifa.usda.gov/funding-opportunity/afri-foundational-exploratory-research

Contact: Charlotte Baer, 202/720-5280, cbaer@nifa.usda.gov

Solicitation number:

This program area encourages continuous development of innovative ideas that will position U.S. Agriculture at the global forefront. These developments will lead to quantum leaps in the agricultural fields. They will address the challenges that have never been addressed before in the areas of food security, climate change, environmental quality and natural resources, nutrition, obesity, food safety, strong families and vibrant communities, and thriving youth.

| 4/25/2017  | Application |

**Methyl Bromide Transition**

Department of Agriculture (USDA)

https://nifa.usda.gov/funding-opportunity/methyl-bromide-transition

Contact: Herbert Bolton, 202/401-4201, h Bolton@nifa.usda.gov

Solicitation number: USDA-NIFA-ICGP-006245

NIFA requests applications for the Methyl Bromide Transition (MBT) Program for fiscal year (FY) 2017 to support the discovery and implementation of practical pest management alternatives for commodities and uses affected by the methyl bromide phase-out. The methyl bromide transition program addresses the immediate needs and the costs of transition that have resulted from the scheduled phase-out of the pesticide methyl bromide. The program focuses on integrated commercial-scale research on methyl bromide alternatives and associated extension activity that will foster the adoption of these solutions. Projects should cover a broad range of new methodologies, technologies, systems, and strategies for controlling economically important pests for which methyl bromide has been the only effective pest control option. Research projects must address commodities with critical issues and include a focused economic analysis of the cost of implementing the transition on a commercial scale. Integrated projects must not exceed $500K total (including indirect costs) for a project period of up to three years.
**Department of Defense (DOD)**

**Ongoing**

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

Air Force Research Laboratory


Contact: Varies with research interest

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

AFOSR plans, coordinates, and executes the Air Force Research Laboratory’s (AFRL) basic research program in response to technical guidance from AFRL and requirements of the Air Force. Additionally, the office fosters, supports, and conducts research within Air Force, university, and industry laboratories; and ensures transition of research results to support U.S. Air Force needs. The focus of AFOSR is on research areas that offer significant and comprehensive benefits to our national warfighting and peacekeeping capabilities. These areas are organized and managed in two scientific Departments: Engineering and Information Science (RTA) and Physical and Biological Sciences (RTB). Awards average $200-400K per year and may be proposed for up to five years. Proposals may be submitted at any time, though it is recommended to contact the appropriate program manager prior to submission. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

**AFRL Research Collaboration Program**

Department of Defense (DoD)

http://www.grants.gov/custom/viewOppDetails.jsp?oppId=212295

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

Solicitation number: BAA-RQKM-2013-0005

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

**AFRL RD/RV University Cooperative Agreement**

Department of Defense (DoD)


Contact:

Solicitation number: BAA-RVKV-2015-0003

This is a 5 year, open BAA. The AFRL Directed Energy Directorate (RD) and Space Vehicles Directorate (RV) are interested in receiving proposals under this announcement in order to establish university Cooperative Agreements (CA) to provide funds to students/professors in a timely manner for the purpose of engaging U.S./U.S. territories’ colleges and universities in directed energy and space vehicles-related basic, applied, and advanced research projects that are of interest to the Department of Defense (DoD). The scope of the research will include the entire spectrum of RD and RV technology that is applicable to the Air Force, including all peripherally-related RD and RV research.

**Department of Energy (DOE)**
Scientific Discovery through Advanced Computing: Partnership in Nuclear Energy Research
Department of Energy
Contact: Dan Funk, 301/903-3845, Dan.Funk@nuclear.energy.gov
Solicitation number: 81.049
This solicitation is part of the 2017 re-competition of the SciDAC Partnerships for jointly funded and managed collaborations between engineers or scientists sponsored by NE and applied mathematicians or computer scientists sponsored by ASCR. Applicants and investigators with a history of being supported by DOE NE should note that any awards resulting from this FOA will be administered by personnel in DOE’s Office of Science (SC), Integrated Support Center-Chicago. The project should leverage where possible, and without duplication, previous and ongoing work in modeling nuclear materials behavior in extreme environments and in applied mathematics/computer science at the participating institutions. While duplication of other project or program efforts will not be acceptable, efforts to complement or extend such efforts are encouraged. Cooperative agreement awards are expected to be made for a period of five years. Each award is limited to $800K per year.

Subsurface Biogeochemical Research
Department of Energy
Contact: Paul Bayer, 301/903-5324, paul.bayer@science.doe.gov
Solicitation number: 81.049
The goal of the SBR program is to advance a robust predictive understanding of how watersheds function as complex hydrobiogeochemical systems and how these systems respond to perturbations caused by changes to climate, land use/cover, contaminant loading and compounding disturbances. Using an iterative approach to model-driven experimentation and observation, interdisciplinary teams of scientists work to unravel the coupled physical, chemical and biological processes that control the structure and functioning of terrestrial environments across vast spatial and temporal scales. Applicants to this FOA must propose either a Standard Project or an Exploratory Project that will focus on measurements, experiments, and modeling to provide improved quantitative and predictive understanding of the hydrobiogeochemical functioning of watershed systems. All projects are required to clearly delineate an integrative, hypothesis-driven approach and clearly describe the existing needs and gaps in state-of-the-art models. Research Grant Awards (typically single-investigator projects) are expected to be made for a period of two or three years at a funding level appropriate for the proposed scope.

Plasma Science Facilities
Department of Energy
Contact: Nirmol Podder, 301/903-9536, Nirmol.Podder@science.doe.gov
Solicitation number: 81.049
This FOA specifically contributes to increasing the fundamental understanding of basic plasma science (for more information, see Fusion Energy Sciences (FES): A Ten-Year Perspective (2015-2025). To accomplish this goal, FES seeks to advance frontier plasma science through supporting both research and operation of, and/or construction of, one or more intermediate-scale scientific user facilities. The science enabled by such facilities should support a broad-based user program and a wide range of diagnostic capabilities. The specific research areas/capabilities of interest are as follows: Plasma Dynamo, Magnetic Reconnection, Particle Acceleration, Turbulent Cascade and Dissipation, and Formation of Coherent Structures. Award sizes may approximately range from $300K to $4.8M per year. DOE anticipates making awards with a project period of up to five years.
New Investigator/Early Career Program in the Social and Behavioral Sciences

Department of Justice


Contact: responsecenter@ncjrs.gov

Solicitation number: 1121-0329

The goal of this solicitation is to broaden the pool of NIJ-sponsored researchers by encouraging new scholars to develop their own research. The objective of the New Investigator/Early Career Program is to provide assistant professors with an opportunity to conduct research that is directly relevant to criminal justice. In the social and behavioral sciences, NIJ encourages applications from diverse disciplines including but not limited to: criminal justice, criminology, economics, law, psychology, public health, and sociology. In the STEM sciences, NIJ encourages applications from diverse disciplines including but not limited to: computer and information sciences, civil and mechanical engineering, physical sciences, mathematics, biostatistics, data science and material sciences. Eligible applicants must: Have received a terminal degree within the four (4) years prior to September 30, 2017, Hold a non-tenured assistant professor position at an accredited institution of higher education in the United States. Not have previously served as PI on an NIJ research grant or fellowship (with the exception of Graduate Research Fellows and Data Resource Program grantees). NIJ estimates that it will make awards, each up to $200K for performance periods to begin on January 1, 2018 and not to exceed 24 months.

Department of State

4/10/2017 Application

FY 2017 Creative Arts Exchange

Department of State

https://eca.state.gov/files/bureau/fy17_cae_nofo_1.pdf

Contact: Depends on theme selected.

Solicitation number: ECA-ECAPEC-17-018

Cultural diplomacy, an essential facet of America’s foreign policy, enhances cross-cultural understanding and opens new avenues of dialogue and collaboration between individuals and nations. In support of U.S. Department of State foreign policy objectives, Creative Arts Exchange initiatives are arts-based, international people-to-people exchange programs. They create partnerships through artistic collaboration and professional development that enrich both the international participants and the Americans with whom they meet. Programs are implemented in close coordination with U.S. embassies and consulates abroad. Eligible themes and/or artistic genres for CAE initiatives are determined based on ECA strategic priorities. Pending the availability of funds, ECA will accept project proposals under the following themes: Dance, Film, and Music. Funding and duration depend on the theme you select.

Department of the Interior (DOI)

Ongoing

National Fish Habitat Action Plan

Department of the Interior

http://www.grants.gov/web/grants/view-opportunity.html?oppId=280034

Contact: varies with research intent

Solicitation number: F16AS000029

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

4/3/2017 Full Proposal

**BOEM FY 2017 Environmental Studies Program**

Department of the Interior

http://www.grants.gov/web/grants/view-opportunity.html?oppId=291569

Contact: Paula Barksdale, 703/787-1743, Paula.Barksdale@bsee.gov

Solicitation number: M17AS00006

The general goals of this project will be to address existing gaps in data of understudied cetaceans by leveraging vessel and animal-borne passive acoustic telemetry as well as expanding reach through citizen science. The ideal place of performance is anticipated to be the Outer Continental Shelf (OCS) off the coasts of North or South Carolina. This effort is aimed at improving visual and acoustic detection of marine mammals. The mission of BOEM is to manage the development of the U.S. Outer Continental Shelf (OCS) energy and mineral resources in an environmentally and economically responsible way. The ideal place of performance for this study is anticipated to be the Outer Continental Shelf (OCS) off the coasts of North or South Carolina. Work performance under this award must start before July 15, 2017 and the proposed work must be completed no later than thirty-eight (38) months from the start date. The total anticipated amount of funding available in FY 2017 is approximately $175K with additional funds in subsequent fiscal years, subject to the availability of funds.

**National Aeronautics and Space Administration (NASA)**

3/31/2017 Rolling Submissions

**ROSES 2016: Rapid Response and Novel Research in Earth Science**

National Aeronautics and Space Administration


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

Solicitation number: NNH16ZDA001N-RRNES

This program element solicits proposals that advance the goals and objectives of NASA’s Earth Science Division by conducting unique research to investigate 1) unforeseen or unpredictable Earth system events and opportunities that require rapid response, and 2) novel new ideas of potential high merit and relevance for ESD science that have not otherwise been solicited by NASA in the past three years. The maximum duration of awards is 3 years.

3/31/2017 Rolling Submissions

**ROSES 2016: Fellowships for Early Career Researchers**

National Aeronautics and Space Administration

https://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={0A9B8DE3-6C85-899F-E114-D3819139508F}

Contact: Doris Daou, 202/358-1686, Doris.Daou@nasa.gov

Solicitation number: NNH16ZDA001N-ECF

The program supports the development of individual research programs of outstanding scientists early in their careers and stimulates research careers in the areas supported by the Planetary Sciences Division. This Program is based on the idea that supporting key individuals is a critical mechanism for achieving high impact science that will lead the field forward with new concepts, technologies, and methods. This program consists of two components with two different submission procedures: the first is the one-page application to be an "Early Career Fellow" (ECF) and the second is the subsequent submission of a seven-page proposal for start up funds by a previously selected ECF. The proposal in response to this program element is selected ECFs to apply for up to $100K in start up funds, once they obtain a permanent track position.
ROSES 2016: Topical Workshops, Symposia, and Conferences

National Aeronautics and Space Administration


Contact: Max Bernstein, 202/358-0879, sara@nasa.gov

Solicitation number: NNH16ZDA001N-TWSC

This program element solicits proposals for topical workshops, symposia, conferences, and other scientific/technical meetings (herein referred to as "events") that advance the goals and objectives of only the following SMD Divisions: Earth Science, Heliophysics, and Planetary Science. Proposals are not limited to traditional in-person meetings of scientists, but may also include requests for support of other methods of bringing together members of the scientific communities relevant to NASA, such as online discussion forums and web-based collaboration portals, especially in support of a traditional event. Proposals for multiple related events should be well justified. This solicitation is directed at scientific and technical events of interest to SMD, not education, public outreach, or administrative conferences.

Early Career Faculty (ECF)

National Aeronautics and Space Administration


Contact: Claudia Meyer, hq-ecf-call@mail.nasa.gov

Solicitation number: NNH17ZOA001N-17ECF_B1

ECF is focused on supporting outstanding faculty researchers early in their careers as they conduct space technology research of high priority to NASA's Mission Directorates. This ECF Appendix seeks to tap into that talent base, challenging early career faculty to examine the theoretical feasibility of new ideas and approaches that are critical to making science, space travel, and exploration more effective, affordable, and sustainable. It is the intent of the STRG Program and this Appendix to foster interactions between NASA and the awarded universities/PIs. Therefore, collaboration/interaction with NASA researchers should be expected while conducting space technology under these awards. Award duration has a maximum of 3 years. Award amount is $200K maximum per year.

ROSES 2016: Land Cover/Land Use Change

National Aeronautics and Space Administration

https://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={25BE6014-BFA5-5AF4-8DE6-10E43D0BA6EC

Contact: Garik Gutman, 202/358-0276, ggutamn@nasa.gov

Solicitation number: NNH16ZDA001N-LCLUC

The 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. The current solicitation consists of two elements: LCLUC in Southeast Asia and LCLUC in the Caucasus. The maximum duration of awards is 3 years.
Access to Historical Records: Major Initiatives

National Archives and Records Administration

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

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

Solicitation number: CFDA 89.003

The National Historical Publications and Records Commission seeks projects that will significantly improve public discovery and use of major historical records collections. All types of historical records are eligible, including documents, photographs, born-digital records, and analog audio and moving images. Projects may: a) Digitize historical records collections, or related collections, held by a single institution and make them freely available online; b) Provide access to born-digital records and create new freely-available virtual collections drawn from historical records held by multiple institutions; c) Create new tools and methods for users to access records. The NHPRC welcomes collaborative projects, particularly for bringing together related records from multiple institutions. Projects that address significant needs in the field and result in replicable and scalable approaches will be more competitive. A grant is for one to three years and for up to $350k. Cost sharing is required. The applicant’s financial contribution may include both direct and indirect expenses, in-kind contributions, non-Federal third-party contributions, and any income earned directly by the project. Indirect costs must be listed under the applicant’s cost sharing contribution.

National Endowment for the Humanities (NEH)

4/12/2017 Application

Awards for Faculty at Historically Black Colleges and Universities

National Endowment for the Humanities


Contact: 202/606-8200, FacultyAwards@neh.gov

Solicitation number:

This program supports individual faculty or staff members at Historically Black Colleges and Universities (HBCUs) pursuing research of value to humanities scholars, students, or general audiences. Eligible projects include pursuing research in primary and secondary materials; producing articles, monographs, books, digital materials, archaeological site reports, translations, editions, or other scholarly resources; and conducting basic research leading to the improvement of an existing undergraduate course or the achievement of institutional or community research goals. Awards for Faculty support continuous work for the equivalent of two to twelve full-time months. Awards may be held part time or full time, or in a combination of the two. Successful applicants receive a stipend of $4.2K per full-time month. The maximum stipend is $50.4K for twelve full-time months (or the part-time equivalent).

4/12/2017 Application

Awards for Faculty at Tribal Colleges and Universities

National Endowment for the Humanities


Contact: 202/606-8200, FacultyAwards@neh.gov

Solicitation number:

This program supports individual faculty or staff members at Tribal Colleges and Universities pursuing research of value to humanities scholars, students, or general audiences. Awards can be used for a wide range of projects that are based on humanities research. Eligible projects include pursuing research in primary and secondary materials; producing articles, monographs, books, digital materials, archaeological site reports, translations, editions, or other scholarly resources; and conducting basic research leading to the improvement of an existing undergraduate course or the achievement of institutional or community research goals. Awards for Faculty support continuous work for the equivalent of two to twelve full-time months. Awards may be held part time or full time, or in a combination of the two. Successful applicants receive a stipend of $4.2K per full-time month. The maximum stipend is $50.4K for twelve full-time months (or the part-time equivalent).
NEH Fellowships
National Endowment for the Humanities
Contact: 202/606-8200, fellowships@neh.gov
Solicitation number: CFDA 45.160
Fellowships support individuals pursuing advanced research that is of value to humanities scholars, general audiences, or both. Recipients usually produce articles, monographs, books, digital materials, archaeological site reports, translations, editions, or other scholarly resources in the humanities. Projects may be at any stage of development. For projects that lead to the development of websites, all other considerations being equal, NEH gives preference to those that provide free access to the public. Fellowships cover periods lasting from six to twelve months at a stipend of $4.2K per month. The maximum stipend is $50.4K for a twelve-month period.

Fellowships for Advanced Social Science Research on Japan
National Endowment for the Humanities, Division of Research Programs
https://www.neh.gov/grants/research/fellowships-advanced-social-science-research-japan
Contact: 202/606-8200, fellowships@neh.gov
Solicitation number: 20150430-FO
Awards support research on modern Japanese society and political economy, Japan's international relations, and U.S.-Japan relations. The program encourages innovative research that puts these subjects in wider regional and global contexts and is comparative and contemporary in nature. The fellowships are designed for researchers with advanced language skills whose research will require use of data, sources, and documents in their original languages or whose research requires interviews onsite in direct one-on-one contact. Fellows may undertake their projects in Japan, the United States, or both, and may include work in other countries for comparative purposes. Fellowships support continuous full-time work for a period of six to twelve months. Successful applicants receive a stipend of $4.2K per month. The maximum stipend is $50.4K for a twelve-month period.

Preservation and Access Education and Training
National Endowment for the Humanities, Division of Preservation and Access
https://www.neh.gov/grants/preservation/preservation-and-access-education-and-training
Contact: 202/606-8570, preservation@neh.gov
Solicitation number:
These grants aim to help the staff of cultural institutions obtain the knowledge and skills needed to serve as effective stewards of humanities collections. Grants support educational programs that prepare the next generation of conservators and preservation professionals, as well as projects that introduce the staff of cultural institutions to new information and advances in preservation and access practices. Awards normally are for two years. Grants to regional preservation field service organizations may not exceed $175K per year. For all other applicants, the maximum award is $100K per year. Although cost sharing is not required, NEH is rarely able to support the full costs of projects approved for funding. In most cases, NEH grants cover no more than 80 percent of project costs.

Common Heritage
National Endowment for the Humanities
https://www.neh.gov/grants/preservation/common-heritage
Contact: 202/606-8570, preservation@neh.gov
Solicitation number:
The program supports day-long events organized by community cultural institutions, which members of the public will be invited to attend. At these events experienced staff will digitize the community historical materials brought in by the public. Project staff will also record descriptive information—provided by community attendees—about the historical materials. Contributors will be given a free digital copy of their items to take home, along with the original materials. Projects must also present public programming that would expand knowledge of the community’s history. Public programs could include lectures, panels, reading and discussion, special gallery tours, screening and discussion of relevant films, presentations by a historian, special initiatives for families and children, or comments by curators about items brought in by the public. These public programs should provide a framework for a deeper understanding of the community members’ shared or divergent histories. Grants of up to $12K will be awarded for a period of eighteen months.
Digital Humanities Advancement Grants
National Endowment for the Humanities
https://www.neh.gov/grants/odh/digital-humanities-advancement-grants
Contact: odh@neh.gov
Solicitation number:
Digital Humanities Advancement Grants (DHAG) support digital projects throughout their lifecycles, from early start-up phases through implementation and long-term sustainability. Experimentation, reuse, and extensibility are hallmarks of this grant category, leading to innovative work that can scale to enhance research, teaching, and public programming in the humanities. Digital Humanities Advancement Grants may involve creating or enhancing experimental, computationally-based methods or techniques that contribute to the humanities; pursuing scholarship that examines the history, criticism, and philosophy of digital culture and its impact on society, or explores the philosophical or practical implications and impact of digital humanities in specific fields or disciplines; or revitalizing and/or recovering existing digital projects that promise to contribute substantively to scholarship, teaching, or public knowledge of the humanities. Applicants must specify which level of funding they seek. Awards for Level I and Level II grants are for up to eighteen months. Awards for Level III Grants are for one to three years.

Digital Projects for the Public
National Endowment for the Humanities
Contact: 202/606-8269, publicpgms@neh.gov
Solicitation number:
Digital Projects for the Public grants support projects that are largely created for digital platforms. While these projects can take many forms, shapes, and sizes, you should apply to this program primarily to create digital projects or the digital components of a larger project. NEH is a national funding agency, so these projects should demonstrate the potential to attract a broad, general audience. Projects can have specific targeted audiences (including K-12 students), but they should also strive to cultivate a more inclusive audience. All Digital Projects for the Public projects should: 1) deepen public understanding of significant humanities stories and ideas; 2) incorporate sound humanities scholarship; 3) involve humanities scholars in all phases of development and production; 4) include appropriate digital media professionals; 5) reach a broad public through a realistic plan for development, marketing, and distribution; 6) create appealing digital formats that will engage the general public; and 7) utilize widely available hardware and operating platforms. Discovery awards (for up to $30K) are designed to fund the exploratory stages of a digital project. Activities must include consultation with scholars, refinement of the humanities themes, digital media development, and analysis of platforms. This is the stage at which the humanities ideas and digital technology should come together. Prototyping grants (for up to $100K) support the creation of a proof-of-concept prototype. Although cost sharing is not required, this program is rarely able to support the full costs of projects approved for funding.

National Institutes of Health (NIH)
Ongoing
NIHM Career Transition Award for Tenure-Track and Tenured Intramural Investigators (K22)
National Institutes of Health
Contact:
Solicitation number: PAR-16-389
The primary goal of the NIMH Career Transition Award for Tenure-Track and Tenured Intramural Investigators (K22) Program (hereafter abbreviated as the NIMH Career Transition K22 Program) is to provide support for career intramural investigators at NIMH who aim to transition from the Division of Intramural Research Programs (DIRP) to an independent research faculty position in the extramural community. Applicants should have a demonstrated record of meritorious research in mental health-related fields.
The purpose of the NINDS Postdoctoral Mentored Career Development Award is to support the ability of outstanding, mentored postdoctoral researchers to develop a potentially impactful research project with a comprehensive career development plan that will enable them to launch an independent research program. Candidates are encouraged to apply for support from this NINDS K01 any time between the second through fourth year of cumulative mentored postdoctoral research experience, and may be supported by this NINDS K01 within the first 6 years of cumulative postdoctoral research experience. Because the completion of a strong, well-planned, thorough career development plan, in addition to development of an impactful research project, is a critical aspect of this K01, applications are strongly encouraged early in the postdoctoral eligibility window. By the end of the proposed K01 award period, the candidate should be poised to begin an independent research career with a well-developed, impactful research project and the expertise required to become a leader in the field. Award budgets are composed of salary and other program-related expenses. The total project period may not exceed 48 months.

The purpose of this initiative is to stimulate research focused on the development and/or improvement of tools and/or materials for the neurodevelopmental assessment of cognitive functioning of children, and their implementation in resource-limited settings with high rates of HIV. Although the NIH Toolbox assesses cognitive, sensory, motor and emotional function, its two-hour administration time and normative sample within the United States affect our ability to adequately assess these domains of functioning in RLS. The importance of non-invasive assessment of child cognitive development using neuropsychological approaches is necessary for the monitoring of normally-developing achievement, as well as emerging and continuing cognitive deficits related to HIV as well as its treatment. Multidisciplinary research teams and collaborative alliances are encouraged but not required. This effort described in this FOA is limited to HIV-infected children, ages three years and older, as well as children ages three years and older who have been exposed to HIV in utero. 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.

This program supports research education activities in the mission areas of the NIH. The over-arching goal of this National Institute of Biomedical Imaging and Bioengineering (NIBIB) R25 program is to support educational activities that enhance the diversity of the biomedical, behavioral and clinical research workforce.

This FOA will support creative educational activities with a primary focus on Research Experiences and Mentoring Activities for underrepresented undergraduate freshmen and sophomores in a science, technology, engineering, or mathematics (STEM) field, especially those fields which broadly impact bioengineering. The ESTEEMED program is intended to support underrepresented racial and ethnic groups, individuals with disabilities, and individuals from disadvantaged backgrounds. It will prepare these participants for an Advanced Honors Program, such as a MARC U-STAR (T34) program and institutional program with similar goals, in the junior and senior years and subsequently, to pursue a Ph.D. or M.D./Ph.D. degree and a biomedical research career in academia or industry.
Kidney Precision Medicine Project - Technology Development and Validation (R43/R44)

The purpose of this FOA is to encourage small businesses to address the technological needs of the Kidney Precision Medicine Project (KPMP). The KPMP will obtain and evaluate kidney biopsies from participants with acute kidney injury (AKI) and chronic kidney disease (CKD), create a kidney tissue atlas, define disease subgroups, and identify critical cells, pathways and targets for novel therapies. Proposed technologies are expected to improve the safety of the human kidney biopsy or enhance interrogation of human kidney tissue, thus ensuring that the kidney biopsy yields useful research or clinical information.

According to statutory guidelines, total funding support (direct costs, indirect costs, fee) normally may not exceed $150,000 for Phase I awards and $1,000,000 for Phase II awards.

Contact: Daniel Gossett Ph.D., 301/594-7723, daniel.gossett@nih.gov
Solicitation number: PA-16-452

Development and/or Validation of Devices or Electronic Systems to Monitor or Enhance Mind and Body Interventions

This Funding Opportunity Announcement (FOA) supports Small Business Innovation Research (SBIR) grant applications from small business concerns (SBCs) that will develop and/or validate devices or electronic systems that can: 1) monitor biologically- or behaviorally-based processes applicable to mind and body interventions or 2) be used to assist in optimizing the practice or increasing the efficacy of mind and body interventions. The applications should: 1) lead to the development of new technologies, 2) adapt existing innovative technologies, devices and/or electronic systems, 3) repurpose existing devices and electronic systems, or 4) conduct testing of single or combined components of an integrated, long term, automated, wearable monitoring, stimulation device or electronic system in order to monitor or enhance the mechanistic processes or functional outcomes of mind and body interventions. For the purposes of this FOA, mind and body interventions are defined as non-pharmacological approaches that include mind/brain focused interventions (e.g., meditation, hypnosis), body-based approaches (e.g., acupuncture, massage, spinal manipulation/mobilization), or combined mind and body meditative movement approaches (e.g., yoga, tai-chi, qigong). According to statutory guidelines, award periods normally may not exceed 6 months 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.

Contact: Wen Chen, 301/451-3989, chenw@mail.nih.gov
Solicitation number: PAS-17-022

Development of Socially-Assistive Robots (SARs) to Engage Persons with Alzheimer’s Disease (AD) and AD-Related

The purpose of this Small Business Technology Transfer Research (STTR) FOA is to encourage small businesses and their research partners to develop assistive robotics and related technology that would enhance health and reduce illness and disability in older Americans suffering from Alzheimer’s Disease (AD), AD-related dementias (ADRD), and other comorbidities. In addition, this FOA encourages small businesses and their research partners to develop assistive robotics addressing the needs and conditions of caregivers to older Americans suffering from AD and ADRD. Budgets up to $350,000 total costs per year for Phase I and up to $2,000,000 total costs per year for Phase II may be requested. Phase II budgets must be submitted in accordance with participating IC-specific budget limitations described in the current SBIR/STTR Program Descriptions and Research Topics of the NIH. 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.
Development of Highly Innovative Tools and Technology for Analysis of Single Cells (SBIR) (R43/R44)

National Institutes of Health


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

Solicitation number:

This FOA encourages applications to develop next-generation technologies and tools to better define cell heterogeneity and organizational rules. The innovative approaches should provide new analytical measures and manipulations of: cellular contents, structure, and activity at the single cell level significantly beyond those currently available. The objectives are to accelerate the development and translation of promising concepts by focusing on overcoming technical challenges, building prototype systems, and generating novel tools toward commercialization. This FOA seeks to support innovative projects that will result in robust tools and approaches widely adoptable and usable by the research community through the marketplace. Toward this end, applications that draw upon diverse expertise from both within and outside (e.g., engineering, physics, chemistry, computation) of biology are of particular interest. To the extent that it is useful in combining different types of expertise, applications with multiple Program Directors/Principal Investigators are encouraged. 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. Durations up to two years for Phase I and up to three years for Phase II may be requested.

NINDS Ruth L. Kirschstein National Research Service Award (NRSA) for Training of Postdoctoral Fellows (F32)

National Institutes of Health


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

Solicitation number: PAR-16-458

The purpose of this award is to support outstanding scientific training of highly promising postdoctoral candidates with outstanding mentors. Candidates are eligible to apply for support from this program from ~12 months prior to the start of the proposed postdoctoral position to within 12 months after starting in postdoctoral position. Based on the early timeframe of eligibility, and the discouragement of inclusion of preliminary data, this NINDS F32 seeks to foster early, goal-directed planning and to encourage applications for bold and/or innovative projects by the candidate that have the potential for significant impact. Applications are expected to incorporate strong training in quantitative reasoning and the quantitative principles of experimental design and analysis. Support by this program is limited to the first 3 years of a candidate’s activity in a specific laboratory or research environment, so as to further encourage early fellowship application and timely completion of “mentored training” of the postdoctoral candidate in a single environment.

NIH Blueprint Diversity Specialized Predoctoral to Postdoctoral Advancement in Neuroscience (D-SPAN) Award (F9)

National Institutes of Health


Contact: Michelle Jones-London, 301/451-7966, jonesmiche@ninds.nih.gov

Solicitation number: RFA-NS-17-009

The purpose of the NIH Blueprint Diversity Specialized Predoctoral to Postdoctoral Advancement in Neuroscience (D-SPAN) Award is to support a defined pathway across career stages for outstanding graduate students who are from diverse backgrounds underrepresented in neuroscience research. This two-phase award will facilitate completion of the doctoral dissertation and transition of talented graduate students to strong neuroscience research postdoctoral positions, and will provide career development opportunities relevant to their long-term career goal of becoming independent neuroscience researchers. For the F99 phase, award budgets are composed of stipends, tuition and fees, and institutional allowance, as described below. For the K00 phase, award budgets are composed of salaries and fringe benefits, research and career development support, and indirect costs. For the F99/K00 award, individuals may receive up to 6 years combined support for both phases, which includes up to 2 years in the F99 fellowship phase and up to 4 years in the K00 career development phase.
Time-Sensitive Obesity Policy and Program Evaluation (R01)

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.

BRAIN Initiative: Research Career Enhancement Award for Investigators to Build Skills in a Cross-Disciplinary Area (K18)

This FOA invites applications for mentored career enhancement (K18) awards in research areas that are highly relevant to the NIH BRAIN Initiative. This career enhancement program will support development of research capability for the BRAIN Initiative, with specific emphasis on cross-training independent investigators in a substantively different area of neuroscience, neuroethics, or in a quantitative and physical discipline (e.g., physics, chemistry, engineering, computer science, mathematics); and vice versa, cross-training independent investigators trained in a quantitative or physical discipline proposing to gain in-depth training in a high-priority area of neuroscience. The research project conducted under this K18 should enhance the candidate’s ability to significantly contribute to or lead projects that investgate questions central to the goals of the BRAIN Initiative. Eligible candidates are independent investigators at any faculty rank or level. Award budgets are composed of salary and other program-related expenses. The total project period may not exceed 2 years.
NIMHD Specialized Centers of Excellence on Minority Health and Health Disparities (U54)

National Institutes of Health


Contact: Derrick Tabor, 301/594-8950, Derrick.Tabor@nih.gov

Solicitation number: RFA-MD-17-005

This FOA invites applications to establish NIMHD Centers of Excellence in eligible institutions of higher education. The purpose of this initiative is to advance the science of minority health and health disparities by conducting transdisciplinary, multi-level research in a defined thematic area and by providing research opportunities and support for post-doctoral fellows, junior faculty, and other investigators. Each Center of Excellence is expected to have a unifying thematic focus. The thematic focus should be at a level of specificity such that it is reasonable to expect that center activities can have a direct and demonstrable impact on addressing minority health and health disparities in that topic area. All center activities, including research projects, pilot projects, and community dissemination activities, should be designed to contribute to this impact. Award budgets are limited to $950K in direct costs annually. The maximum project period is 5 years.

The Health and Retirement Study (U01)

National Institutes of Health


Contact: Georgeanne Patmios, 301/496-3138, PatmiosG@mail.nih.gov

Solicitation number: RFA-AG-18-005

The purpose of this FOA is to solicit applications for the next 6-year cycle of the Health and Retirement Study (HRS), which is the leading longitudinal data resource on patterns of age-related changes in the health and well-being of adults age 50 and older in the U.S. The goals of the next phase are to: 1) continue the current structure and design elements of the HRS while reducing respondent burden; 2) establish a repository of blood samples for future study; 3) enrich administrative linkages and collaborations with genetics consortia; 4) conduct follow-up dementia assessment using the Harmonized Cognitive Assessment Protocol (HCAP) to update data on the prevalence of dementia including Alzheimer's Disease and related dementias (AD/ADRD); 5) enhance harmonization with comparable surveys of population aging; and 6) augment data dissemination and user support. Applicants are encouraged to balance among longitudinal continuity of design and methods, scientific innovation, and budget and other constraints. 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 6 years.

Partnerships for the Development of Tools to Advance Therapeutic Discovery for Select Antimicrobial-Resistant Gram-negative Bacterial Pathogens (U01)

National Institutes of Health


Contact: Michael Schaefer, 240/627-3364, mschaefer@niaid.nih.gov

Solicitation number: RFA-AI-16-081

The purpose of this FOA is to support milestone-driven projects focused on developing and utilizing novel predictive assays, models and/or research tools based on penetration and efflux of small molecules to facilitate therapeutic discovery for select Gram-negative bacterial pathogens: carbapenem-resistant Enterobacteriaceae (CRE), MDR Acinetobacter and/or MDR Pseudomonas aeruginosa. The objective of this FOA is to support milestone-driven projects focused on developing and utilizing novel predictive models and/or research tools and assays aimed at gaining a better understanding of the rules and compound properties governing the penetration and efflux of drug-like small molecules into Gram-negative bacterial pathogens. Responsive projects must focus on one or more of the following Gram-negative bacterial pathogens: carbapenem-resistant Enterobacteriaceae (CRE), MDR Acinetobacter and/or MDR Pseudomonas aeruginosa. Projects must complete assay/tool/model development prior to the end of the third year of the project period and initiate discovery activities to demonstrate its utility in supporting a corresponding medicinal chemistry program to generate a lead chemical series with demonstrated activity against one or more targeted Gram-negative bacteria. This initiative will also support subsequent preclinical development of a promising lead antibacterial. Budgets for direct costs of up to $750K per year may be requested. Applicants may also request up to an additional $300K in the first year of the award for major equipment to ensure that research objectives can be met and biohazards can be contained, totaling $1M direct costs. The scope of the proposed project should determine the project period. The maximum project period is 5 years.
Pre-application for the NIH-Industry Program: Discovering New Therapeutic Uses for Existing Molecules (X02)
National Institutes of Health


Contact: Bobbie Austin, 301/435-0824, NewTherapeuticUses@mail.nih.gov
Solicitation number: RFA-TR-17-001

This FOA intends to identify meritorious pre-applications that propose testing of innovative ideas for the discovery of new therapeutic uses of existing Assets in previously unexplored diseases. Proposed human trials can include: 1) use of an Asset as a stand-alone intervention, or 2) as an adjunctive intervention with existing standard of care (if there is no evidence of drug-drug interactions with the proposed standard of care treatment). Strategies to inform the selection of patients for proposed new uses of the Assets are of interest. For this FOA, Phase I and Phase II clinical trials are defined as follows: Phase I clinical studies are conducted in the target patient population to evaluate safety, determine a safe dose range, and identify side effects prior to conducting a Phase II clinical trial. Phase II clinical trials are conducted in a larger patient population, typically 150 subjects or less for trials in adults. The purpose of the Phase II clinical study is to provide a preliminary signal of efficacy. Award budget and project period vary individually.

NCMRR Early Career Research Award (R03)
National Institutes of Health


Contact: Theresa Cruz, 301/496-9233, cruzth@mail.nih.gov
Solicitation number: PAR-17-161

The National Center for Medical Rehabilitation Research (NCMRR) Early Career Research (ECR) Award (R03) is intended to support both basic and clinical research from rehabilitation scientists who are establishing independent research careers. It cannot be used to support thesis/dissertation research or research conducted by postdoctoral fellows. The research should be focused on one or more of the areas within the biomedical and behavioral mission of NCMRR: pathophysiology and management of chronically injured nervous and musculoskeletal systems; repair and recovery of motor and cognitive function; functional plasticity, adaptation, and windows of opportunity for rehabilitation interventions; rehabilitative strategies involving pharmaceutical, stimulation, neuroengineering approaches, exercise, motor training, and behavioral modifications; pediatric rehabilitation; secondary conditions associated with chronic disabilities; improved diagnosis, assessment, and outcome measures; and development of orthotics, prosthetics, and other assistive technologies and devices. The NCMRR ECR Award supports different types of projects including secondary analysis of existing data; small, self-contained research projects; development of research methodology; translational research; outcomes research; and development of new technology. Irrespective of the type of project, the intent of the NCMRR ECR Award is for the Program Director(s)/Principal Investigator(s) (PD(s)/PI(s)) to obtain sufficient preliminary data for a subsequent R01 application. The combined budget for direct costs for the entire project period may not exceed $200K. No more than $100K in direct costs may be requested in any single year. The scope of the proposed project should determine the project period. The maximum period of support is 2 years.
Research To Address Sleep Disorders in the Context of Medical Rehabilitation (R01)

National Institutes of Health


Contact: Mary Michel, 301/496-5289, michelm1@mail.nih.gov

Solicitation number: PAR-17-163

Patients with many disabilities report problems sleeping, but specific sleep disorders are often not diagnosed. Because sleep affects many physiological and behavioral parameters—depression, anxiety, pain, cancer, cardiovascular changes, immune function—sleep disorders should be diagnosed and appropriately treated to maximize benefit of rehabilitation. Research is needed on ways to best approach this complexity in the context of medical rehabilitation for a primary, non-sleep disorder.

Disturbed sleep has many manifestations and sleep disturbances are described as components of disabling conditions—neuromuscular, neurodeenerative, and cardiovascular disorders; CNS trauma and stroke; neoplastic disease and its treatment; and primary sleep disorders are considered risk factors for many chronic diseases. These conditions relating to sleep disturbance likely affect the success or failure of rehabilitation in a variety of fields. Application budgets are limited $499,999 or less direct costs per FY and should 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.

Mechanisms of Disparities in Chronic Liver Diseases and Cancer (R01)

National Institutes of Health


Contact: Rina Das, 301/496-3996, dasr2@mail.nih.gov

Solicitation number: PAR-17-151

The purpose of this FOA is to support multidisciplinary research to understand the underlying social, cultural, clinical, environmental or biological factors responsible for the increase in chronic liver diseases and cancer and the mechanisms that explain the documented liver cancer disparities in the US. Hepatocellular carcinoma (HCC) is the most common type of liver cancer and the most relevant within the United States for the purpose of this FOA. Projects should include a focus on one or more NIH-designated health disparity populations in the United States, which include Blacks/African Americans, Hispanics/Latinos, American Indians/Alaska Natives, Asian Americans, Native Hawaiians and other Pacific Islanders, socioeconomically disadvantaged populations, sexual and gender minorities and underserved rural populations. For health disparity populations with a significant proportion of immigrants, comparison of health factors between the U.S. and country of origin, length of stay may be considered when appropriate. Projects are strongly encouraged to involve collaborations, where appropriate, among relevant stakeholders in U.S. health disparity population groups, such as researchers, community organizations, clinicians, health systems, public health organizations, consumer advocacy groups, and faith-based organizations. As appropriate for the research questions posed, inclusion of key community members in the conceptualization, planning and implementation of the research is encouraged (but not required) to generate better-informed hypotheses and enhance the translation of the research results into practice. 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.
U.S. Tobacco Control Policies to Reduce Health Disparities (R01)

National Institutes of Health


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

Solicitation number: PAR-17-217

This FOA seeks applications for research projects to improve our understanding of how to address health disparities in tobacco use in the United States, with an emphasis on innovative tobacco control policies including those focused on health economics. Examples include, but are not limited to, the following: tax and pricing policies, the marketing and retail sales environment, 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 health disparities in vulnerable populations by utilizing tobacco prevention and control strategies. Applicants may propose projects in which the primary outcome of interest is on reducing tobacco use health disparities in vulnerable populations by utilizing tobacco prevention and control strategies. The long-term goal of this FOA is reduce health disparities in health outcomes, thereby reducing the excess disease burden of tobacco use within these groups. Applicants submitting proposals related to health economics are encouraged to consult NOT-OD-16-025 to ensure that proposals align with NIH mission priorities in health economics research. Application budgets are not limited but need to reflect the actual needs of the proposed project. The maximum project period is 5 years.

Integrated Approaches to HIV-Related Heart, Lung, Blood, and Sleep (HLBS) Comorbidities (R01)

National Institutes of Health


Contact: Renee Wong, 301/451-6808, wongr2@nhlbi.nih.gov

Solicitation number: RFA-HL-18-004

This FOA invites research project grant (R01) applications that propose "systems biology" approaches using clinical samples from HIV-infected patients to elucidate the biological perturbations associated with HIV-related heart, lung, blood, and sleep (HLBS) comorbidities. The ultimate goal is to better understand disease progression, which may help identify new therapeutic targets that pre-empt the onset of HLBS diseases and sleep disorders in the HIV population. This FOA invites investigators to conduct research on the fundamental mechanisms of HIV-related HLBS comorbidities. Projects would be expected to analyze clinical samples using omics approaches and computational modeling to elucidate the perturbations in genes, proteins, metabolites, and signaling pathways associated with the development of HIV-related HLBS conditions. Application budgets are limited to a maximum of $499,999 direct costs in any year (excluding consortium F&A). The scope of the proposed project should determine the project period. The maximum project period is four years.
Center of Excellence for Research on Complementary and Integrative Health (P01)

National Institutes of Health


Contact: Partap Khalsa, 301/594-3462, partap.khalsa@nih.gov

Solicitation number: PAR-16-379

The purpose of NCCIH's Centers of Excellence for Research on Complementary and Integrative Health (CERCIH) program is to support synergistic, multidisciplinary, multi-project research programs that have strong potential to significantly advance the mission of NCCIH and address areas of high research priority, as described in its current Strategic Plan [nccih.nih.gov/about/plans]. Basic, mechanistic, and translational approaches are appropriate for the CERCIH, but should not propose clinical trials of efficacy/effectiveness. Studies proposing to use human participants are allowed, and indeed for some complementary health interventions, using human participants may be the only current way to conduct mechanistic studies. Investigators are strongly encouraged to contact NCCIH Scientific/Research staff early in the process to discuss a potential CERCIH application. The discussion could include the choice of funding mechanism, relevance of the topic to NCCIH's strategic plan and research priorities, and the scope and approach of the project. If the requested budget exceeds $500,000 in direct costs in any grant year, then pre-approval is required, it is expected that most, if not all, applications to this FOA will exceed this $500,000 threshold, and applicants will need to seek pre-approval to submit an application. Application budgets are not limited, but it is strongly recommended that applicants not request a budget of more than $1,250,000 in direct costs per year. The scope of the proposed program should determine the project period. The maximum program period is 5 years, and only one competitive renewal is allowed.

Resource Program Grants in Bioinformatics (P41)

National Institutes of Health

https://grants.nih.gov/grants/guide/pa-files/PAR-14-357.html

Contact: James Coulombe, 301/451-3415, coulombeJ@mail.nih.gov

Solicitation number: PAR-14-357

This FOA announces the Resource Program Grants in Bioinformatics program supporting the continued operation, enhancement, and dissemination of databases or software tools that are unique, and of major importance to research using animal models of embryonic developmental processes. These grants will support ongoing research, maintenance, and enhancement, of the tool or resource, user training and services, provision of community generated data storage and archiving, and wide dissemination of the tool or resource. To qualify for support, bioinformatics resources software, algorithms, or knowledge resources must be of demonstrable value toward advancing research utilizing animal model systems in the biomedical sciences and must also be of particular importance to those seeking to understand the biological basis of human and animal development and the etiology of structural birth defects. The resources must be sufficiently mature to have verifiable support and utility for users within the developmental biology research community. Applicants are strongly encouraged to consult with the Scientific/Research Contact listed below in Section VII to ensure that the proposed project reflects the objectives of this FOA and the programmatic interests of the NICHD. Requested direct costs cannot exceed $1.75M per year, are expected to range from $500K to no more than $1.75M per year, and 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.
Alcohol Research Resource Awards (R24)
National Institutes of Health
Contact: Gary Murray, 301/443-9940, gary.murray@nih.gov
Solicitation number: PAR-17-170
This FOA encourages investigator-initiated applications that may be critical to enhancing synergies among existing programs that address the specific mission of NIAAA, as described above. Investigators are encouraged to visit the NIAAA website for additional information about the research mission and high-priority research areas of the NIAAA https://www.niaaa.nih.gov/. The purpose of the Resource-Related Research Projects (R24) grant is to support investigator-initiated research projects that will develop resources to serve biomedical research. A resource is a non-hypothesis-driven activity to provide data, materials, tools, or services that are essential to making timely, high quality, and cost-efficient progress in a field. The resource should be available to any qualified investigator, and should be highly quality controlled, and not duplicate resources available commercially or through other sources. As a first step, potential applicants are highly encouraged to contact the Scientific/Research Contact listed below for clarification on programmatic priorities or other questions related to the submission and review of an application. Application budgets are not limited but need to reflect the actual needs of the proposed project. Because the nature and scope of the proposed research will vary from application to application, it is anticipated that the size and duration of each award will also vary. The total project period for an application submitted in response to this FOA may not exceed 5 years.

Food Specific Molecular Profiles and Biomarkers of Food and Nutrient Intake, and Dietary Exposure (R01)
National Institutes of Health
Contact: Padma Maruvada, 301/594-8888, padma.maruvada@nih.gov
Solicitation number: PAR-15-024
NIH and USDA-NIFA jointly support this FOA and encourage applications from well-qualified and experienced researchers, for addressing the specific gaps on food specific molecular signatures and biomarkers of food and nutrient intake, and dietary exposure over time. The FOA supports both animal and human studies as appropriate. Clinical studies that involve controlled feeding and short term bolus feeding studies involving limited human subjects are appropriate for this purpose. However, large interventional or observational clinical studies will not be supported through this FOA. Applicants may be able to take advantage of ongoing trials that may be able to accommodate some of the feeding studies as part of the larger trial or leverage an already available specimen resource, in responding to this FOA. In addition to supporting scientific research, both NIH and USDA hope to promote collaborative interaction among funded researchers through this effort. Awarded grantees from both agencies, in response to this FOA are required to plan and attend 2-3 workshops during the funded period. Research approaches of interest for this FOA include but are not limited to: (1) Identification and validation of food and nutrient specific metabolic signatures that correlate with nutrient quality and efficacy and nutrient consumption, (2) Identification and validation of molecular signatures of dietary consumption of nutrients over time, including commonly used nutrient supplements, and energy supplements or beverages, (3) Studies that explore the interaction/competition between various nutrients including natural products for their absorption, transport, metabolism and elimination, (4) Studies that explore the interaction/competition between various nutrients and drugs for their absorption, transport, metabolism and elimination, dose response, bioavailability, toxicity, and ADME profiles, (5) Studies that explore natural products/nutrients, microbiota interactions with host physiology and metabolism. The maximum project period is 5 years.
Predictive Multiscale Models for Biomedical, Biological, Behavioral, Environmental and Clinical Research (U01)
National Institutes of Health
Contact: Wen Chen, 301/451-3989, chenw@mail.nih.gov
Solicitation number: PAR-15-085
The goal of this interagency FOA is to support the development of multiscale models to accelerate biological, biomedical, behavioral, environmental and clinical research. The NIH, ARO, DOE, FDA, NASA, NSF, and ONR recognize that in order to efficiently and effectively address the challenges of understanding multiscale biological and behavioral systems, researchers will need predictive, computational models that encompass multiple biological and behavioral scales. This FOA supports the development of non-standard modeling methods and experimental approaches to facilitate multiscale modeling, and active participation in community-driven activities through the Multiscale Modeling (MSM) Consortium, www.imagwiki.nibib.nih.gov. Budgets are expected to range from $200k to $400k in Total Direct Costs each year, reflecting the actual needs of the proposed project.

Perception and Cognition Research to Inform Cancer Image Interpretation (R01)
National Institutes of Health
Contact: Todd Horowitz, 240/276-6963, todd.horowitz@nih.gov
Solicitation number: PAR-17-125
The purpose of this FOA is to facilitate research on the perceptual and cognitive processes underlying the performance of cancer image observers in radiology and pathology, in order to improve the accuracy of cancer detection and diagnosis. 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. This FOA runs in parallel with an FOA of similar scientific scope, PAR-17-125, which utilizes the Exploratory/Developmental Grant (R21) mechanism. Application budgets are not limited but need to reflect the actual needs of the proposed project. The maximum project period is 5 years.
This FOA is to provide support for a resource aimed at the collection, identification, staging, and distribution of conceptal tissues to investigators performing biomedical research on fundamental biological process and human development at academic and not-for-profit research institutions. Over the years, tissues from this source have been valuable in vaccine development [polio, rubella, varicella, hepatitis A, an experimental Ebola vaccine, etc.], the study of infectious diseases, exploring normal fetal development, and providing insights into birth defects, miscarriage, brain development, gene activation, and fundamental cell processes that may go awry and cause autism and other intellectual and developmental disabilities as well as other conditions in many organ systems. These important tissues may also lead to preventive and therapeutic interventions in repairing damaged tissues or organ function in adult diseases. A reliable resource with experience in the systematic identification and staging of conceptal tissues for distribution to meet the needs of investigators will provide an important service to the biomedical research community. 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.
Phased Innovation Award for Mechanistic Studies to Optimize Mind and Body Interventions in NCCIH High Priority

National Institutes of Health

https://grants.nih.gov/grants/guide/pa-files/PAR-17-149.html

Contact: Wen Chen, 301/451-3989, chenw@mail.nih.gov

Solicitation number: PAR-17-149

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.

Data Science Research: Personal Health Libraries for Consumers and Patients (R01) - Limited Submission

National Institutes of Health


Contact: Alan VanBiervliet, 301/594-4882, vanbiervlietag@mail.nih.gov

Solicitation number: PAR-17-159

The National Library of Medicine seeks applications for novel informatics and data science approaches that can help individuals gather, manage and use data and information about their personal health. A goal of this program is to advance research and application by patients and the research community through broadly sharing the results via publication, and through open source mechanisms for data or resource sharing. Up to $250k may be requested per year for four years.
Conformance with the Manufactured Food Regulatory Program Standards (MFRPS) (U18)

National Institutes of Health


Contact: Brett Weed, 404/253-2268, brett.weed@fda.hhs.gov

Solicitation number: RFA-FD-17-005

The intended outcome of this FOA is to advance efforts for a nationally integrated food safety system by assisting State manufactured food regulatory programs to achieve and maintain conformance with the Manufactured Food Regulatory Program Standards (MFRPS). The MFRPS are intended to ensure that State manufactured food regulatory programs develop, and maintain best practices for a high-quality regulatory program. Also, the program standards are intended to enhance food safety by establishing a uniform basis for measuring and improving the performance of manufactured food regulatory programs in the United States. Conformance with these program standards will help Federal and State programs better direct their regulatory activities at reducing hazards in firms that manufacture, process, pack, or hold foods. Grantees may also choose to pursue special projects that will further enhance the capacity of the State manufactured food regulatory program to protect public health and safeguard the food supply. Application budgets need to reflect the actual needs of the proposed project and should not exceed $375K in total costs. The scope of the proposed project should determine the project period. The maximum project period is one year.

Aging Biology Research to Address Health Disparities (Admin Supp)

National Institutes of Health


Contact: Felipe Sierra, 301/496-6402, sierraf@nia.nih.gov

Solicitation number: PA-17-164

This FOA announces the availability of administrative supplements to support aging biology research that addresses disparities in health. Specifically, for this FOA we are interested in projects that explore processes - including cellular function and communication, physiological indicators, and genetic stability - that enable harsh environmental conditions to become biologically embedded. Appropriate topics/studies include: Studies on age x gene x environment interactions where the genotype (allelic variant) or environmental conditions (e.g., relative exposure to hazards often more common in disadvantaged neighborhoods) are recapitulated in laboratory organisms; Studies focused on identifying molecular differences that contribute to racial, ethnic or gender disparities in stress responses, including differences in stress pathways such as nutrient sensing, hormones, inflammation, immune-senescence, metabolomics or genetics/epigenetics; Studies focused on differences in metabolomes that can be linked to racial or ethnic disparities in functional, physiologic, or metabolic outcomes across the lifespan and in old age; Research that will examine biological mechanisms underlying health disparities in aging-related declines of function in organ systems (e.g., liver, lung, heart, kidneys). Budget requests may be for no more than $45K in direct costs. The project and budget periods must be within the currently approved project period for the existing parent award. All awards are for a one-year period. Only one application per NIA parent award may be submitted.
Role of Age-Associated Metabolic Changes in Alzheimer's Disease (AD) (R01)

This FOA encourages innovative experimental approaches to explore the molecular and cellular bases for age-related change in metabolism that impact the development of Alzheimer’s disease (AD). The goal of this initiative is to fund research projects focused on the impact of changes in metabolism that occur with aging and their possible role in AD onset, pathogenesis and progression. Under this overarching goal, the following topics illustrate the areas of research that are encouraged: Cellular and molecular studies to elucidate the impact of insulin dysregulation on the structure and function of the aging brain; Metabolomic, lipidomic and other –omic studies in peripheral tissues aimed at correlating age-related changes in metabolism with disease onset and/or progression in AD patients or appropriate animal models of the disease; Mechanistic studies to identify possible new targets for AD based on changes that occur with aging, in the brain as well as in the periphery; In metabolic control of insulin and glucose signaling, In mitochondrial activity, and In lipid metabolism. 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)

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.
Juvenile Protective Factors and Their Effects on Aging (R01)

National Institutes of Health


Contact: Chhanda Dutta, 301/496-4161, Duttac@mail.nih.gov

Solicitation number: PAR-17-126

The purpose of this FOA is to invite: 1) descriptive studies to identify putative juvenile protective factors, 2) experimental studies to test hypotheses about their effects on aging and 3) translational studies to characterize potential beneficial and adverse effects of maintaining or modulating the level of juvenile protective factors in adult life. Juvenile protective factors (JPFs), intrinsic to an immature organism, help to maintain or enhance certain physiological functions across all or some stages of postnatal development (i.e., segment of the life span between birth and sexual maturity), but diminish or disappear as the organism transitions from one maturational stage to the next. The loss or diminution of JPFs after a given stage of postnatal development or at time of sexual maturity may contribute to the onset of deleterious aging changes (e.g., compromised stem cell function and reparative capacity) across adulthood. This FOA is uniquely focused on animal and clinical studies which involve comparisons between juvenile versus adult states or between stages of postnatal development to identify putative JPFs and their effects on aging. Studies which involve comparisons between young and old adults will not be supported by this FOA. 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 period is 5 years.

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

National Institutes of Health

https://grants.nih.gov/grants/guide/pa-files/PAR-17-123.html

Contact: Lisa Spain, 301/451-9871, spainl@niddk.nih.gov

Solicitation number: PAR-17-123

This FOA will provide support for assays (and associated data analysis) of repository-held samples for studies focused on an NIDDK relevant disease. The review of applications to this FOA will consider both access to repository-held samples and funding for assays using the samples. These studies are expected to generate scientific discoveries on disease mechanisms, disease pathogenic processes, disease progression, or clinical responses. Projects that make good use of the associated data from the clinical trials and studies, the original intent of the clinical study and/or trial are highly encouraged. Exploratory studies and discovery research are encouraged especially when samples are not severely limited, the work is justified, and the goal is consistent with the original intent of the clinical research. Requestors should visit the NIDDK Repository (see above for link) and obtain a copy of the corresponding clinical data before submitting an application. Reviewing the study data will allow requestors to make an informed request and help ensure the best use of the samples. Application budgets are limited to $250K direct costs per year and must reflect the actual needs of the proposed project. The maximum project period is 3 years.
Cancer Tissue Engineering Collaborative: Enabling Biomimetic Tissue-Engineered Technologies for Cancer Research

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.

Strengthening the HIV Pre-Exposure Prophylaxis (PrEP) Care Continuum through Behavioral, Social, and Implement

This FOA solicits behavioral, social, and implementation science research designed to (a) identify gaps in the HIV pre-exposure prophylaxis (PrEP) care continuum and associated determinants; (b) develop and test interventions to strengthen PrEP delivery, use, and outcomes; and (c) reduce racial/ethnic and age-related disparities in PrEP uptake and use. This FOA uses the R01 grant mechanism while corresponding FOA PA-17-103 uses the R21 mechanism. High risk/high payoff projects that lack preliminary data are appropriate for the R21 mechanism, while applicants with preliminary data who propose longitudinal analyses and/or large scale projects may consider the R01 mechanism. Eligible organizations are higher education institutions. 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.
HIV-1 infection of the Central Nervous System (R01)

National Institutes of Health

https://grants.nih.gov/grants/guide/pa-files/PA-17-100.html

Contact: Jeymohan Joseph, 240/627-3869, jjeymoha@mail.nih.gov

Solicitation number: PA-17-100

This FOA invites research grant applications focused on defining and understanding the pathogenic mechanisms involved in Human Immunodeficiency Virus (HIV)-1 induced CNS dysfunction, but within the context of viral suppression and Antiretroviral therapy (ART). The FOA further supports research to identify therapeutic targets against which treatments may be developed to prevent the neurobehavioral and neurological co-morbidities in HIV-1 infected individuals. Basic and translational research in domestic and international settings are of interest. Multidisciplinary research teams and collaborative alliances are encouraged but not required. 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.

5/15/2017 Letter of Intent
6/15/2017 Application

Novel Nucleic Acid Sequencing Technology Development (R01)

National Institutes of Health


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

Solicitation number: RFA-HG-15-032

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


5/15/2017 Application
7/14/2017 Application
9/15/2017 Application
11/15/2017 Application
1/15/2018 Application

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

National Institutes of Health


Contact:

Solicitation number: RFA-RM-15-003

The purpose of this FOA is to invite pre-applications from applicants who have an interest in ultimately submitting an application to "Stimulating Peripheral Activity to Relieve Conditions (SPARC): Comprehensive Functional Mapping of Neuroanatomy and Neurobiology of Organs (OT2)" (RFA-RM-15-018). The OT1 SPARC OT pre-application is the required first step in the application process for the companion OT2 FOA (RFA-RM-15-018). Potential applicants should read both FOAs. Applicants whose OT1 pre-applications are found to be meritorious and programmatically relevant will be invited to submit a full application to the OT2 "Stimulating Peripheral Activity to Relieve Conditions (SPARC): Comprehensive Functional Mapping of Neuroanatomy and Neurobiology of Organs" FOA (RFA-RM-15-018). There will be substantial interaction with NIH Program Staff leading to the development of programmatic and budget elements for an acceptable OT2 application. OT2 applications must include a copy of the Invitation to Submit from the SPARC program as a requirement for submission. The Invitation to Submit an OT2 application is not an indication of any award.
Biomarkers: Bridging Pediatric and Adult Therapeutics (R21)

National Institutes of Health


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

Solicitation number: PAR-17-169

This FOA encourages grant applications that propose adapting adult biomarkers to children. This would include the application and validation of biomarkers developed in adults to pediatric diagnosis, prognosis, and estimation of disease progression, toxicity and response to therapy. Projects supported by this FOA will be confined to those biomarkers that correlate with a clinical observation, have been extensively studied in adults, and for which there is solid evidence that they have pediatric applications. Discovery of new biomarkers for use in drug development or in preclinical studies are part of this FOA. Development of biomarkers entails a number of phases, from identification of promising molecular targets to longitudinal clinical trials in association with a treatment. The proposed research may use animal models in support of pediatric studies, stored clinical samples or new clinical testing. This FOA does not specify the type of biomarker. The proposed research should address issues of clinical significance in pediatric therapeutics. Proposed biomarkers must be biologically plausible, with limited inter-patient variability, and exhibit significant changes in activity, concentration or other appropriate quantitative measurement in response to treatment (effectiveness biomarkers) or in relation to severity and/or recurrence of a disease. The proposed research may uncover dissimilarities of adult biomarkers when applied to pediatric diseases. The combined budget for direct costs for the two-year project period may not exceed $275K. No more than $200K may be requested in any single year. The scope of the proposed project should determine the project period. The maximum project period is two years.

Marijuana, Prescription Opioid, or Prescription Benzodiazepine Drug Use Among Older Adults (R03)

National Institutes of Health


Contact: Shelley Su, 301/402-3869, shelley.su@nih.gov

Solicitation number: PA-17-198

The intent of this funding opportunity announcement is to support innovative research that examines aspects of marijuana and prescription opioid and benzodiazepine use in adults aged 50 and older. This FOA encourages research that examines the determinants of these types of drug use and/or characterizes the resulting neurobiological alterations, associated behaviors, and public health consequences. This initiative will focus on two distinct populations of older adults: individuals with earlier onset of drug use who are now entering this stage of adult development or individuals who initiate drug use after the age of 50. Applications are encouraged to utilize broad methodologies ranging from basic science, clinical, and epidemiological approaches. The insights gleaned from this initiative are critical to our understanding of the determinants of drug use in later life, as well as its consequences in the aging brain and on behavior. This knowledge may have the potential to identify risk factors and to guide clinical practices in older populations. This initiative will focus on two distinct older adult populations (over the age of 50): (1) individuals with earlier drug use onset who are now entering older age, or (2) individuals who initiate drug use after the age of 50. Insights gained from this initiative have the potential to inform the public and health care systems regarding cannabis and prescription drug use in older populations. The Small Research Grant (R03) supports small research projects that can be carried out in a short period of time with limited resources, such as pilot and feasibility studies, secondary analysis of existing data, small, self-contained research projects, development of research methodology, and development of new research technology. Application budgets are limited to $50K in direct costs per year. The total project period may not exceed two years.
Maximizing Investigators’ Research Award (R35)

National Institutes of Health


Contact:  Varies

Solicitation number:  PAR-17-094

The Maximizing Investigators’ Research Award (MIRA) is a grant to provide support for the program of research in an investigator’s laboratory that falls within the mission of NIGMS. For the purpose of this FOA, a program of research is the collection of projects in the investigator’s lab that are relevant to the mission of NIGMS. The goal of MIRA is to increase the efficiency and efficacy of NIGMS funding. It is anticipated that this mechanism will; increase the stability of funding for NIGMS-supported investigators, which could enhance their ability to take on ambitious scientific projects and approach problems more creatively; Increase flexibility for investigators to follow important new research directions as opportunities arise, rather than being bound to specific aims proposed in advance of the studies; More widely distribute funding among the nation’s highly talented and promising investigators to increase overall scientific productivity and the chances for important breakthroughs; Reduce the time spent by researchers writing and reviewing grant applications, allowing them to spend more time conducting research; Enable investigators to devote more time and energy to mentoring trainees in a more stable research environment.

Applications may request a maximum project period of five years. Eligibility is restricted to PDs/PIs with at least one NIGMS R01 equivalent award (defined here as R01, R37, DP2, and SC1 awards) that was awarded funding in the fiscal year prior to the fiscal year of the MIRA application submission and whose project end date is in the same or subsequent fiscal year of the MIRA application submission. See restrictions on overlapping applications in Section III.3. PDs/PIs who submitted a MIRA application in previous years and are eligible for this FOA are welcome to apply, but must submit a New Application, rather than a Resubmission. Applications may request up to $750K direct costs per year. Investigators are encouraged to request what are well-justified actual costs for their research program.

International Bioethics Research Training Program (D43)

National Institutes of Health


Contact:  Barbara Sina Ph.D., 301/401-9467, sinab@mail.nih.gov

Solicitation number:  PAR-16-454

The overall goal of this initiative is to support the development of a sustainable critical mass of bioethics scholars in low and middle income country (LMIC) research intensive institutions with the capabilities to conduct original empirical or conceptual ethics research that addresses challenging issues in health research and research policy in these countries as well as provide research ethics leadership to their institutions, governments and international research organizations. FIC will support LMIC-U.S. collaborative institutional bioethics doctoral and postdoctoral research training programs that incorporate didactic, mentored research and training components to prepare a number of individuals with ethics expertise for positions of scholarship and leadership in health research institutions in the LMIC.

Applicants may request up to $230K direct costs per year.
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.

Neoantigen-Based Therapeutic Targeting of Head and Neck Cancers (R01)
National Institutes of Health
Contact: Chiayeng Wang, 301/827-4647, chiayeng.wang@nih.gov
Solicitation number: RFA-DE-18-004
The purpose of this FOA is to support basic and preclinical research aimed at developing novel immunotherapeutic targets for head and neck cancers (HNC), including salivary gland cancers. Research supported by this FOA will identify human HNC-specific neoantigens, and will test the utility of these neoantigens as targets for eliciting anti-tumor immune responses in affected patient populations. The primary goal of this initiative is to encourage basic and preclinical studies aimed at identifying and testing tumor-neoantigens as immunotherapeutic targets for head and neck cancers (HNC), including salivary gland cancers. Application budgets are limited to $350K in direct costs and 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.

Sex Hormone Induced Thromboembolism in Pre-Menopausal Women (R61/R33)
National Institutes of Health
Contact: Nahed El Kassar, 301/435-0056, nahed.elkassar@nih.gov
Solicitation number: RFA-HL-18-003
The primary objective of the work to be supported by this funding opportunity is to understand the mechanisms by which female sex hormones and sex hormone-based therapies can increase the risk of venous and arterial thromboembolism in pre-menopausal women. Understanding the basic physiopathology of how sex hormones may induce or add to the pre-existing risk of thrombosis will strengthen our understanding of the mechanisms underlying thrombus formation in relevant clinical situations such as peripartum or in women using contraceptives or undergoing in vitro fertilization. Such research may help identify women at higher thrombotic risk and thus help guide their clinical care. It could also lead to the identification of potential new therapeutics to prevent thrombus formation. The FOA purpose does not include research on thromboembolism related comorbidities in post-menopausal women. Application budgets may not exceed direct costs of $475K per fiscal year. The project period is limited to up to 2 years for phase I (R61) and up to 3 years for phase II (R33) for a total project period of up to 5 years.
The mission of the National Institute of Mental Health is to transform the understanding and treatment of mental illnesses through basic and clinical research, paving the way for recovery, prevention, and cure. An essential element of this mission is the support and career promotion of the future generation of exceptionally talented and creative new scientists who will transform the understanding and treatment of mental illnesses and enable NIMH to fulfill its vision of a world in which mental illnesses are prevented and cured. The NIMH supports a number of training and fellowship programs for pre- and postdoctoral training, as well as mentored career development awards for faculty in the early stages of their career. However, even with these career development mechanisms in place, to fulfill its mission of assuring a cadre of productive, highly innovative mental health investigators for the future, NIMH needs to support additional programs to identify and inspire the best new investigators and facilitate their establishing high impact, independent research programs in areas relevant to the mission of the NIMH. This award is intended to provide support for highly promising early stage investigators who may lack the preliminary data required for a traditional R01 and allow them to pursue their most innovative, creative, and potentially most impactful ideas at an earlier stage in their career. An applicant may request a budget for direct costs up to $1.625M dollars with no more than $400K in direct costs for any single year. The total project period for an application submitted in response to this FOA may not exceed five years.

National Cooperative Drug/Device Discovery/Development Groups (NCDDG) for the Treatment of Mental or Subst

The intent of this FOA is to encourage applications from academic, biotechnology, biomedical device industry, or pharmaceutical industry investigators interested in participating with the National Institute of Mental Health (NIMH), the National Institute on Drug Abuse (NIDA), or the National Institute on Alcohol Abuse and Alcoholism (NIAAA) in a National Cooperative Drug/Device Discovery/Development Group (NCDLG) program. The objectives of this program are: to advance the discovery, preclinical development, early stage human studies, and/or proof of concept (PoC) testing of new, rationally based candidate agents or devices to treat mental disorders or substance use disorders (SUDs) or alcohol addiction; and to develop novel ligands and novel brain circuit-modulatory technologies as tools to advance biological research on the function of genes, cells, biochemical pathways, distributed neural circuits, and neural oscillatory patterns implicated in the etiology and pathophysiology of mental disorders, SUDs or alcohol addiction, and as potential new therapeutics. Partnerships between academia and industry are strongly encouraged. The objective of this FOA is to establish NCDDG Groups to conduct innovative, high impact research focused on the discovery and testing of chemical entities for novel molecular targets, as well as novel devices for novel circuit/neural dynamic targets implicated in the pathophysiology of mental disorders, or SUDs or alcohol addiction. Application budgets are not limited but need to reflect the actual needs of the proposed project. The total project period may not exceed five years.
### Initiative to Maximize Research Education in Genomics: Courses for Skills Development (R25)

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The overarching goal of this NHGRI R25 program is to support educational activities that complement and/or enhance the training of a workforce to meet the nation’s biomedical, behavioral and clinical research needs by supporting short, advanced level courses that are intended to disseminate new techniques, methods, and analyses related to the mission of the NHGRI. To accomplish the stated overarching goal, this FOA will support creative educational activities with a primary focus on Courses for Skills Development.


**Contact:**

**Solicitation number:** PAR-16-090

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The overarching goal of this NHGRI R25 program is to support educational activities that complement and/or enhance the training of a workforce to meet the nation’s biomedical, behavioral and clinical research needs by supporting short, advanced level courses that are intended to disseminate new techniques, methods, and analyses related to the mission of the NHGRI. To accomplish the stated overarching goal, this FOA will support creative educational activities with a primary focus on Courses for Skills Development.

### Support of NIGMS Program Project Grants (P01)

This FOA encourages program project grant applications that propose to conduct research which aims to solve a significant biological problem, important for the mission of NIGMS, through a collaborative approach involving outstanding scientists who might not otherwise collaborate. The program project grant mechanism is designed to support research in which the funding of several interdependent projects as a group offers significant scientific advantages over support of these same projects as individual regular research grants. An upper limit of $6.5M direct costs for the entire five-year project period may be requested.

[Catherine Lewis, 301/594-0828, lewisc@nigms.nih.gov](mailto:lewisc@nigms.nih.gov)

**Contact:** Catherine Lewis, 301/594-0828, lewisc@nigms.nih.gov

**Solicitation number:** PAR-16-433

This FOA encourages program project grant applications that propose to conduct research which aims to solve a significant biological problem, important for the mission of NIGMS, through a collaborative approach involving outstanding scientists who might not otherwise collaborate. The program project grant mechanism is designed to support research in which the funding of several interdependent projects as a group offers significant scientific advantages over support of these same projects as individual regular research grants. An upper limit of $6.5M direct costs for the entire five-year project period may be requested.

### Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grant (Parent T32)

The National Institutes of Health (NIH) will award Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) to eligible, domestic institutions to enhance predoctoral and postdoctoral research training, including short-term research training, and help ensure that a diverse and highly trained workforce is available to meet the needs of the Nation’s biomedical, behavioral, and clinical research agenda. Research training programs will incorporate didactic, research, and career development elements to prepare individuals for careers that will have a significant impact on the health-related research needs of the Nation. Programs proposing only short-term research training should not apply to this announcement, but rather to the Kirschstein-NRSA Short-Term Institutional Research Training Grant Program (T35) exclusively reserved for predoctoral, short-term research training (see PA-16-151).


**Contact:**

**Solicitation number:** PA-16-152

The National Institutes of Health (NIH) will award Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) to eligible, domestic institutions to enhance predoctoral and postdoctoral research training, including short-term research training, and help ensure that a diverse and highly trained workforce is available to meet the needs of the Nation’s biomedical, behavioral, and clinical research agenda. Research training programs will incorporate didactic, research, and career development elements to prepare individuals for careers that will have a significant impact on the health-related research needs of the Nation. Programs proposing only short-term research training should not apply to this announcement, but rather to the Kirschstein-NRSA Short-Term Institutional Research Training Grant Program (T35) exclusively reserved for predoctoral, short-term research training (see PA-16-151).
NRSA Institutional Predoctoral Training Program in the Neurosciences (T32) - Limited Submission

National Institutes of Health


Contact: varies

Solicitation number: PAR-17-096

This program supports broad and fundamental research training in the neurosciences. In addition to a broad education, a key component will be a curriculum that provides a strong foundation in experimental design, statistical methodology and quantitative reasoning. Programs are intended to be two years in duration, and students may only be appointed to this training grant during the first 2 years of their graduate research training. The primary objective is to prepare individuals for careers in neuroscience that will have a significant impact on our understanding of nervous system function and the health-related research needs of the nation. Application budgets are not limited, but need to reflect the actual needs of the proposed project.

Alcohol Education Project Grants (R25)

National Institutes of Health


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

Solicitation number: PAR-15-054

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

Large Health Services Research Demonstration and Dissemination Projects for Prevention of Healthcare-Associated Infections (R18)

National Institutes of Health


Contact: James Cleeman, 301/427-1330, james.cleeman@ahrq.hhs.gov

Solicitation number: PA-17-007

This FOA issued by AHRQ invites grant applications for funding to conduct Large Health Services Research Demonstration and Dissemination Projects (R18) that propose to address strategies and approaches for prevention and reduction of Healthcare-Associated Infections (HAIs). The FOA describes the broad areas of HAI research for which funds are available to support Health Services Research Demonstration and Dissemination Projects. The total costs awarded to a grant under this FOA will not exceed $500K in any given year for a period of up to 5 years.
National Cancer Institute Youth Enjoy Science Research Education Program (R25)

National Institutes of Health


Contact: Alison Lin, 240/276-6177, linaj@mail.nih.gov

Solicitation number: PAR-17-059

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The over-arching goal of this National Cancer Institute (NCI) R25 program is to support educational activities that enhance the diversity of the biomedical, behavioral and clinical research workforce. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on Research Experiences, Curriculum or Methods Development and Outreach. The NCI’s mission is to conduct and support research, training, health information dissemination, and other programs with respect to cancer. This funding opportunity seeks to facilitate the education of students from diverse backgrounds underrepresented in biomedical research who will become knowledgeable about cancer, and available to focus on cancer later in their careers. With the aim of enhancing the pool of individuals from underrepresented backgrounds interested in pursuing a career in biomedical research via early intervention strategies, the NCI Youth Enjoy Science (YES) Program will support efforts to create and maintain an institutional program to engage grades 6-12 and/or undergraduate students from underrepresented populations in cutting edge cancer research experiences. The proposed institutional programs may also provide research experiences for the grade 6-12 teachers and undergraduate faculty members who serve underrepresented student populations. The specific goals are to inspire interest in biomedical sciences, help envision research as a career path, and strengthen practical research and career skills. In alignment with these goals, institutions may develop unique programs that capitalize on their research strengths and are responsive to their target populations.

Cancer Research Education Grants Program - Curriculum or Methods Development (R25)

National Institutes of Health


Contact: Jeannette Korczak, 240/276-5630, korczakj@mail.nih.gov

Solicitation number: PAR-15-150

The NIH Research Education Program (R25) supports research educational activities that complement other formal training programs in the mission areas of the NIH Institutes and Centers. The over-arching goals of the NIH R25 program are to: (1) complement and/or enhance the training of a workforce to meet the nation’s biomedical, behavioral and clinical research needs; (2) enhance the diversity of the biomedical, behavioral and clinical research workforce; (3) help recruit individuals with specific specialty or disciplinary backgrounds to research careers in biomedical, behavioral and clinical sciences; and (4) foster a better understanding of biomedical, behavioral and clinical research and its implications. All applications must provide a plan for the recruitment and participation of individuals from underrepresented backgrounds in the program. This R25 FOA is intended to support innovative, state-of-the-art curriculum or methods development projects. It does not support (i) research projects, including educational research projects, which can be funded through RPG mechanisms, (ii) education projects that adapt curricula or methods currently available through the existing core curricula at colleges, graduate schools, medical schools, or resident training programs, (iii) education projects that adapt a current or previous R25 funded curriculum or method to focus on a different target population, or (iv) projects to disseminate a current or previous R25 funded curriculum or method. The maximum budget is $100K direct costs/year. The scope of the proposed project should determine the project period. The maximum project period is 3 years.
Early Phase Clinical Trials in Imaging and Image-Guided Interventions (R01)

National Institutes of Health


Contact: Lori Henderson, 240/276-5930, hendersonlori@mail.nih.gov

Solicitation number: PAR-17-167

This FOA is intended to support clinical trials conducting preliminary evaluation of the safety and efficacy of imaging agents, as well as an assessment of imaging systems, image processing, image-guided therapy, contrast kinetic modeling, 3-D reconstruction and other quantitative tools. As many such preliminary evaluations are early in development, this FOA will provide investigators with support for pilot (Phase I and II) cancer imaging clinical trials, including patient monitoring and laboratory studies. This FOA supports novel uses of known/standard clinical imaging agents and methods as well as the evaluation of new agents, systems, or methods. The imaging and image-guided intervention (IGI) investigations, if proven successful in these early clinical trials, can then be validated in larger studies through competitive R01 mechanisms, or through clinical trials in the Specialized Programs of Research Excellence (SPOREs), Cancer Centers and/or the NCI's National Clinical Trials Network. The goal of this FOA is to promote and accelerate clinical evaluation of imaging modalities, agents, methods, and image-guided interventions to improve cancer management. Therefore, projects that propose Phase I or early Phase II studies of imaging agents and methodologies, or feasibility studies of imaging devices, image-guided surgery or therapies, image-guided radiation therapy using external beams and/or systemic radionuclides, should show that the anticipated preliminary data will be able to justify a future grant application for confirmatory Phase II or Phase III trial. A range of trials at different stages of development are allowed, including first in human Phase I and II single-site or multi-site studies based on conventional or adaptive trial designs (if economically feasible). The early studies should provide important initial information regarding imaging investigations (e.g. safety, tolerability, dosing). Later-stage studies should yield data that allow clear go/no-go decisions regarding whether these imaging investigations or image-guided interventions should proceed to an efficacy trial. Application budget should reflect the actual needs of the proposed project and is limited to $500K in direct costs for the total project period. No more than $250K in direct costs may be requested in any single year. The total project period may not exceed 3 years.
Research Answers to NCI’s Provocative Questions (R01)

National Institutes of Health

https://grants.nih.gov/grants/guide/rfa-files/RFA-CA-17-017.html

Contact: Emily Greenspan, 301/395-2871, greenspanej@mail.nih.gov

Solicitation number: RFA-CA-17-017

The purpose of this FOA is to support research projects designed to solve specific problems and paradoxes in cancer research identified by the National Cancer Institute (NCI) Provocative Questions initiative. These problems and paradoxes phrased as questions are not intended to represent the full range of NCI's priorities in cancer research. Rather, they are meant to challenge cancer researchers to think about and elucidate specific problems in key areas of cancer research that are deemed important but have not received sufficient attention. Some of these "Provocative Questions" (PQs) stem from intriguing but older, neglected observations that have never been adequately explored. Other PQs are built on more recent findings that are perplexing or paradoxical, revealing important gaps in current knowledge. Finally, some PQs reflect problems that traditionally have been thought to be intractable but that now may be open to investigations using new strategies and recent technical advances. Each research project proposed in response to this FOA must be focused on addressing one particular research problem defined by one specific PQ selected from the list. Projects proposed to address specific PQs may use strategies that incorporate ideas and approaches from multiple disciplines, as appropriate. Transdisciplinary projects are encouraged as long as they serve the scientific focus of the specific PQ chosen. Application budgets are not limited but need to reflect the actual needs of the proposed project. The total project period may not exceed 5 years.

Revision Applications to NCI-supported R01 Awards to Include Research on the NCI’s Provocative Questions (R01)

National Institutes of Health


Contact: Emily Greenspan, 301/395-2871, greenspanej@mail.nih.gov

Solicitation number: RFA-CA-17-019

This Funding Opportunity Announcement (FOA), issued by the National Cancer Institute (NCI), invites revision applications from investigators with active NCI R01 research grants with at least two (2) years of support remaining on the parent grant at the estimated time of award. This FOA encourages sound and innovative research that directly addresses the PQs, including research that helps validate PQ research outcomes or adopt and disseminate PQ research results that impact cancer research and clinical care. Studies proposed in the revision applications must correspond to additional specific aims, expanding the scope of individual, already funded projects of the parent R01 award. There are also two FOAs intended for new project applications (RFA-CA-17-017, and RFA-CA-17-018 for R01, and R21 grants, respectively). The budget may not exceed $150K in direct costs per year. Applicants may request support for up to two (2) years, not to exceed the remaining number of years on the parent grant. The parent grant must be active when the application is submitted. If a no-cost extension is needed on the parent grant, it must be in place before the revision application is submitted.
Revision Applications to National Cancer Institute (NCI)-supported P01 Awards to Include Research on the NCI's Pr

This FOA, issued by the National Cancer Institute (NCI), invites revision applications from currently funded NCI P01 Program Projects with at least two (2) years of support remaining on the parent grant at the estimated time of award. This FOA encourages sound and innovative research that directly addresses the PQs, including research that helps validate PQ research outcomes or adopt and disseminate PQ research results that impact cancer research and clinical care. Studies proposed in the revision applications must correspond to a new research project, expanding the scope of the parent Program Project grant. There are also two FOAs intended for new project applications (RFA-CA-17-017, and RFA-CA-17-018 for R01, and R21 grants, respectively). The budget may not exceed $150K in direct costs per year. Applicants may request support for up to two years, not to exceed the remaining number of years on the parent grant. The parent grant must be active when the application is submitted. If a no-cost extension is needed on the parent grant, it must be in place before the revision application is submitted.

Environmental influences on Placental Origins of Development (ePOD) R01

The purpose of this FOA is to stimulate multidisciplinary research projects from the scientific community that use a combination of animal/cell models and non-invasive human placenta tissues or biomarkers to investigate how early life exposures affect placental growth, development, and function, and the subsequent health of the offspring. Studies must include projects in both human-based tissues and/or animal-based/cell model systems. We encourage studies to effectively integrate research between projects to ultimately maximize our understanding of how early life exposures impact human placental health and the subsequent effects on fetal development. For this initiative, human-based studies should rely on existing, or easily obtained (i.e., banked specimens), placental tissue or biomarkers of placental, maternal, and/or fetal exposures. Examples include, but not limited to, maternal urinary biomarkers, placenta-derived hormones, sloughed off placental materials, use of imaging technologies, or analysis of term placentas. These matrices are critical in establishing early stage biomarkers to identify chemically-induced placental changes during pregnancy to predict child health outcomes. Application budgets are limited to $400K (direct costs)/year and should reflect the actual needs of the proposed project. The maximum project period is 5 years.

Supplement Opportunity to Support Population-Based Research Studies of Rare Cancers (Admin Supp)

Through this FOA, the National Cancer Institute (NCI) invites applications for supplemental funding to eligible NCI awards so that involved personnel (awardees) can advance their efforts to gain needed knowledge on rare cancers. The goal is to support population-based, hypothesis-testing studies that will increase our understanding of the etiology or post-diagnosis outcomes of rare cancers. Through this FOA, the NCI encourages administrative supplement applications from awardees who hold eligible awards (as specified in this FOA) so that they can augment efforts on population-based research projects that address critical knowledge gaps in the understanding of rare cancers. Investigators must be able to complete projects within one calendar year. The budget should justify all direct costs. The maximum budget is $150K in total costs. The project and budget periods must be within the currently approved project period for the existing parent award. Supplement requests are limited to 1 year.
Research Supplements to Promote Sharing Data in Cancer Epidemiology Studies (Admin Supp)
National Institutes of Health
Contact: Joanne Elena, 240/276-6818, joanne.elena@nih.gov
Solicitation number: PA-17-224
Through this FOA, the National Cancer Institute (NCI) invites requests (applications) for supplemental funding to eligible NCI awards (as specified in this FOA) so that involved personnel (awardees) can prepare and deposit individual-level data from cancer epidemiology studies into NCI-supported, controlled-access databases including the Cancer Epidemiology Data Repository (CEDR) and the database of Genotypes and Phenotypes (dbGaP). Sharing of research data will accelerate scientific discovery and increase opportunities for collaboration to provide new clues to cancer etiology, determine risk factors, and improve cancer survivorship. Through this FOA, the NCI solicits administrative supplement requests (applications) from NCI grantees to support preparing and submitting cancer epidemiology data for deposit into NIH/NCI-supported data repositories (e.g., Cancer Epidemiology Data Repository [CEDR], database of Genotypes and Phenotypes [dbGaP], etc.). Datasets from all types of observational cancer epidemiology studies, as well as partial datasets that complement or critically update previously shared data, will be considered. Appropriate activities for these supplements include, but are not limited to, those listed below: Preparing datasets for submission by identifying missing and erroneous data (i.e., "cleaning" data); Creating data dictionaries and related dataset documentation; Submitting data to an NIH/NCI repository (e.g., CEDR, dbGaP, etc.); and Communication with NIH/NCI data repository staff to ensure proper formatting and documentation. Application budgets are limited to no more than $100K in total costs and must reflect the actual needs of the proposed project. The project and budget periods must be within the currently approved project period for the existing parent award. Projects must be able to be completed within one calendar year.

Spatial Uncertainty Data, Modeling, and Communication (R01)
National Institutes of Health, Cross-Institute
Contact: Varies with research interest
Solicitation number: PA-15-010
The purpose of this FOA is to support innovative research that identifies sources of spatial uncertainty (i.e., inaccuracy or instability of spatial or geographic information) in public health data, incorporates the inaccuracy or instability into statistical methods, and develops novel tools to visualize the nature and consequences of spatial uncertainty. This FOA runs in parallel with FOAs of identical scientific scope, PA-15-009, that encourages applications under the R21 mechanism, and PA-15-011, that encourages applications under the R03 mechanism. 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.

Drug Abuse Prevention Intervention Research (R01)
National Institutes of Health, National Institute on Drug Abuse (NIDA)
Contact: Harold Perl, 301/443-6504, hperl@mail.nih.gov
Solicitation number: PA-15-082
The purpose of this FOA is to encourage Research Project Grant (R01) applications that propose to advance the science of drug abuse and drug-related HIV prevention through 1) the development of novel prevention approaches, 2) the testing of novel and adapted prevention intervention approaches, 3) the elucidation of processes associated with the selection, adoption, adaptation, implementation, sustainability, and financing of empirically validated interventions, and 4) the development of new methodologies suitable for the design and analysis of prevention research studies. The maximum project period is five years. This FOA runs in parallel with two FOAs of identical scientific scope: PA-15-080, which utilizes the R21 Exploratory/Developmental Grant mechanism, and PA-15-081, which utilizes the R03 Small Grant Program mechanism.
Investigations on Primary Immunodeficiency Diseases (R01)

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

Contact: David Johnson, 240/627-3499, drjohnson@niaid.nih.gov

Solicitation number: PAR-15-130

This FOA is intended to support innovative investigations in primary immunodeficiency diseases. Of particular interest are the detection of primary immunodeficiency diseases, the identification of the molecular basis of these diseases, and the design and pre-clinical development of innovative therapies for these diseases. Studies using samples obtained from humans and studies on animal models are encouraged. Investigators who have not received independent NIH funding in this field are encouraged to apply. The maximum project period is five years. This FOA runs in parallel with FOAs of identical scientific scope, PA-13-314, which utilizes the R03 Small Grant mechanism, and PA-13-315, which utilizes the R21 Exploratory/Developmental Grant mechanism.

International Research Collaboration on Drug Abuse and Addiction Research (R01)

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

Contact: Steven Gust, 301/443-6480, ipdirector@nida.nih.gov

Solicitation number: PA-15-142

This FOA encourages collaborative research applications on drug abuse and addiction that take advantage of special opportunities that exist outside the U.S. Special opportunities include access to unusual talent, resources, populations, or environmental conditions in other countries that will speed scientific discovery. This year the scientific priorities include: linkages between HIV/AIDS and drug abuse, and prevention, initiation, and treatment of nicotine and tobacco use (especially among vulnerable populations such as children, adolescents, pregnant women, and those with co-morbid disorders). The maximum project period is 5 years.

Research to Action - Assessing and Addressing Community Exposures to Environmental Contaminants (R01)

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

Contact: Symma Finn, 919/541-4258, finns@niehs.nih.gov

Solicitation number: PA-16-083

This FOA encourages applications using community-engaged research methods to investigate the potential health risks of environmental exposures of concern to the community and to implement an environmental public health action plan based on research findings. The overall goal is to support changes to prevent or reduce exposure to harmful environmental exposures and improve the health of a community. The maximum project period is five years.
Health Services and Economic Research on the Prevention and Treatment of Drug, Alcohol, and Tobacco Abuse (R01)

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


Contact: Varies with research interest

Solicitation number: PA-15-251

This FOA encourages Research Project Grant (R01) applications on health services and economic research to improve the quality of prevention, treatment, and recovery support services for drug, alcohol and tobacco abuse. Such research projects might emphasize any of the following subjects: (1) clinical quality improvement; (2) organization and delivery of services; (3) implementation research; (4) economic and cost studies; or (5) development or improvement of research methodology, analytic approaches, and measurement instrumentation used in the study of drug, alcohol, and tobacco prevention, treatment, and recovery services. This FOA runs in parallel with three FOAs of identical scientific scope, PA-15-253, PA-15-252, and PA-15-250 that utilize the R21 Exploratory/Developmental Grant, R03 Small Grant Program and Planning Grant mechanisms respectively.

Lymphatics in Health and Disease in the Digestive, Kidney, and Urinary Tract (R01)

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


Contact: Jill Carrington, 301/402-6071, carringj@mail.nih.gov

Solicitation number: PAR-15-306

This FOA is to encourage Research Project Grant (R01) applications for research into aspects of lymphatic vessel physiology, development and pathophysiology related to health and diseases of the digestive system, kidney, and urinary tract organs. However, studies with the major focus on immune mechanisms are not encouraged. Studies to understand the factors that control local lymphatic vessel functional anatomy and physiology and development during health or disease in these organs/systems, and the mechanisms by which alterations of lymphatic vessel function affect organ function, are of interest. Application budgets are limited to $250K in direct costs per year exclusive of any consortium F&A costs.

Engineering Next-Generation Human Nervous System Microphysiological Systems (R01)

National Institutes of Health


Contact: David M. Panchision, 301/443-5288, panchisiond@mail.nih.gov

Solicitation number: PAR-16-398

This FOA encourages research grant applications directed toward developing next-generation human cell-derived microphysiological systems (MPS) with improved fidelity to complex human brain, spinal, peripheral nervous system and/or sensory end organ circuit physiology in vivo, which will ultimately facilitate analysis of higher order functional deficits relevant to complex nervous system disorders. The purpose of this funding opportunity announcement is to stimulate basic research to develop next-generation human cell-derived microphysiological systems (MPS) with improved fidelity to complex human brain, spinal, peripheral nervous system and/or sensory end organ circuit physiology in vivo, which will ultimately facilitate analysis of higher order functional deficits relevant to complex nervous system disorders. This FOA is distinct from those focusing on optimization and scalability of assays for compound screening, although projects could in principle have utility for late stage evaluation of drug efficacy and toxicity. These MPS will have a multi-lineage, complex architecture representing the normal characteristics and functions of the relevant nervous system structure (e.g., sensory input systems, brain or spinal integrative systems, motor output systems) and will substantially exceed the state of the art in cellular maturation and integration, allowing reproducible measurement of circuit-level activity under physiological conditions over a long culture period. 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 Grants (BRG) (R01)

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PAR-16-242

The purpose of this FOA is to encourage collaborations between the life and physical sciences that: 1) apply a multidisciplinary bioengineering approach to the solution of a biomedical problem; and 2) integrate, optimize, validate, translate or otherwise accelerate the adoption of promising tools, methods and techniques for a specific research or clinical problem in basic, translational, or clinical science and practice. An application may propose design-directed, developmental, discovery-driven, or hypothesis-driven research and is appropriate for small teams applying an integrative approach that can increase our understanding of and solve problems in biological, clinical or translational science. Application budgets are not limited but need to reflect actual needs of the proposed project. The maximum award period is 5 years depending on the NIH Institutes and Centers.

Testing Interventions for Health-Enhancing Physical Activity (R01)

National Institutes of Health


Contact: Barry Portnoy, 301/402-4337, portnoyb@od.nih.gov

Solicitation number: PAR-14-315

The purpose of this FOA is to fund highly innovative and promising research that tests multi-level intervention programs of 1 to 2 years in length that are designed to increase health-enhancing physical activity: 1) in persons or groups that can benefit from such activity; and 2) that could be made scalable and sustainable for broad use across the nation. This FOA provides support for up to 5 years for research planning, intervention delivery, and follow-up activities.

This FOA runs in parallel with a FOA of identical scope, PAR-14-321, that utilizes the R21/R33 Phased Innovation Award mechanism.

Maternal Nutrition and Pre-pregnancy Obesity: Effects on Mothers, Infants and Children (R01)

National Institutes of Health


Contact: Rebecca Henry, 301/594-5976, henryrr@mail.nih.gov

Solicitation number: PA-15-100

This FOA encourages applications to improve health outcomes for women, infants and children, by stimulating interdisciplinary research focused on maternal nutrition and pre-pregnancy obesity. Maternal health significantly impacts not only the mother but also the intrauterine environment, and subsequently fetal development and the health of the newborn. Application budgets are not limited but need to reflect the actual needs of the proposed project. The maximum project period is three years.
Early-life Factors and Cancer Development Later in Life (R01)

National Institutes of Health


Contact: Somdat Mahabir, 240/276-6941, mahabir@mail.nih.gov

Solicitation number: PA-15-126

The purpose of this FOA is to stimulate research focused on the role of early-life factors in cancer development later in life. Given that current emerging evidence from limited research indicates a potentially important role for early-life events and exposures in cancer development, it is necessary to better understand 1) the early-life (maternal-paternal, in utero, birth and infancy, puberty and adolescence, and teenage and young adult years) factors that are associated with later cancer development; 2) how early-life factors mediate biological processes relevant to carcinogenesis; and 3) whether predictive markers for cancer risk based on what happens biologically at early-life can be measured and developed for use in cancer prevention strategies. The maximum project period is five years.

This FOA runs in parallel with two FOA's of identical scope, PA-15-125 and PA-15-124, which utilize the R21 Exploratory/Developmental Grant and the R03 Small Grant Program respectively.

Advancing Translational and Clinical Probiotic/Prebiotic and Human Microbiome Research (R01)

National Institutes of Health


Contact: Gabriela Riscuta, 240/276-7118, gabriela.riscuta@nih.gov

Solicitation number: PA-15-127

The purpose of this FOA is twofold: 1. to accelerate translational and clinical Phase I and II a/b safety and efficacy studies for substantiating measurable functional benefits of probiotic/prebiotic components and/or their combinations; and; 2. to understand the underlying mechanisms of their action(s), and variability in responses to these interventions. This FOA calls for interdisciplinary collaborations across scientific disciplines engaged in microbiome and pro/prebiotic research including, but not limited to: nutritional science, microbiology, virology, microecology and microbiome, genomics, immunology, computational biology, chemistry, bioengineering, as well as integration of omics and computational approaches in DNA technologies.

New Directions in Hematology Research (SHINE-II) (R01)

National Institutes of Health


Contact: varies with research interest

Solicitation number: PAS-15-168

This FOA is intended to promote innovative research initiatives that explore high impact, new directions of inquiry relevant to the hematology research mission of the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK). NIDDK invites investigator-initiated grant applications for basic or pre-clinical, proof of principle research projects that are tightly focused and directed at validating novel concepts and approaches that promise to open up new pathways for discovery. The maximum award is $200K per year for up to three years.
**Alcohol Use Disorders: Behavioral Treatment, Services and Recovery Research (R01)**

National Institutes of Health


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

Solicitation number: PA-15-299

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

**Health Disparities and Alzheimer’s Disease (R01)**

National Institutes of Health


Contact: Cerise Elliott, 301/496-9350, elliottce@mail.nih.gov

Solicitation number: PAR-15-349

This FOA invites applications proposing to study health disparities in Alzheimer’s disease (AD) and related disorders. Health-disparities research related to AD should include the study of biological, behavioral, sociocultural, and environmental factors that influence population level health differences. Research approaches of interest include 1) improving recruitment and retention of populations underrepresented in AD research, 2) identifying priority factors or locating pathways and mechanisms that create and sustain AD health disparities, 3) addressing the challenges faced by informal/family caregivers from diverse racial, ethnic and socioeconomic backgrounds that are associated with the growing population of individuals with Alzheimer’s Disease, and 4) understanding the disparities in access to and utilization of formal long-term supports and services for those with dementia. NIH intends to fund an estimate of 10 - 12 awards, corresponding to a total of $10 million for fiscal year 2016. Future year amounts will depend on annual appropriations.

**Diabetes and Cardiovascular Disease in Older Adults (R01)**

National Institutes of Health


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

Solicitation number: PA-15-037

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

National Institutes of Health

**Personalized Strategies to Manage Symptoms of Chronic Illness (R01)**

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

Solicitation number: PA-16-007

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

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**Advancing Understanding, Prevention, and Management of Infections Transmitted from Women to their Infants (R21)**

National Institutes of Health


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

Solicitation number: PA-16-032

PA-16-032

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

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**Oocyte Mitochondrial Function in Relation to Fertility, Aging, and Mitochondrial Diseases (R01)**

National Institutes of Health


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

Solicitation number: PA-16-088

The purpose of this FOA is to encourage applications from the scientific community to support outstanding research in the area of oocyte mitochondrial function in relation to fertility, aging, and mitochondrial disease transmission to offspring. The overarching goal is to gain fundamental insight into the role of mitochondria and long-term consequences of their dysfunction in the oocyte, and to develop therapeutic or alternative approaches to treat mitochondrial dysfunction for improving oocyte quality and competency, and health of the resultant offspring. It is anticipated that the results from studies supported by this FOA will provide women, suffering from infertility or subfertility and other illnesses due to mitochondrial dysfunction, practical approaches to enhance their fertility and the well-being of their offspring. The maximum period is 5 years.
**Methodology and Measurement in the Behavioral and Social Sciences (R01)**

National Institutes of Health


Contact: Deborah Hyman-Young, 301/451-0724, deborah.young-hyman@nih.gov

Solicitation number: PAR-16-260

The purpose of this FOA is to invite qualified researchers to submit grant applications aimed at improving and developing methodology in the behavioral and social sciences through innovations in research design, measurement, data collection and data analysis techniques. The participating NIH Institutes and Centers (ICs) encourage research that will improve the quality and scientific power of behavioral and social science data relevant to the IC missions. Applicants are encouraged but not required to address methodologic issues related to: interdisciplinary, multimethod, and multilevel approaches in behavioral and social science research, including broadly applicable approaches that foster integration with biomedical, physical, or computational science research or engineering; Integrating, mining and modeling behavioral and social science data in combination with genetic, epigenetic, biomarker and imaging data; research in diverse populations that are distinctive by virtue of demographics, cultural or linguistic characteristics, sexual orientation or gender identity, health system, mental or physical abilities, underrepresentation in research or other factors, where the outcome would have a significant impact on improving health in that population; the study of sensitive health-related behaviors in the context of healthcare, the social environment, and local/state/national policies; and ethics in research, such as informed consent, enrollment of minors including assent, assessment of risk and benefit, selection and retention of participants, privacy and confidentiality. The maximum project period is 5 years.

**Developing Measures of Shared Decision Making (R01)**

National Institutes of Health


Contact: Monique D. Cohen, 301-427-1630, Monique.Cohen@ahrq.hhs.gov

Solicitation number: PA-16-424

Shared decision making (SDM) is a collaborative process in which patients and members of their clinical team work together to make health care decisions informed by scientific evidence as well as patients’ own values and preferences. SDM has proven difficult to measure, and the literature points to significant gaps and limitations in the measurement of SDM. The purpose of this FOA is to invite applications to develop, test, and evaluate measures of SDM that can be used to conduct research in clinical settings.

**Basic and Translational Research on Decision Making in Aging and Alzheimer's Disease (R01)**

National Institutes of Health


Contact: Lis Nielsen, Ph.D., 301-402-4156, nielsenli@nia.nih.gov

Solicitation number: PAR-16-448

This funding opportunity announcement (FOA) invites applications for basic research to better characterize the affective, cognitive, social, and motivational parameters of impaired and intact decision making in both normal aging and Alzheimer’s disease (AD). Research is sought that will characterize the extent to which basic behavioral and neural processes involved in decision-making are differentially impacted in normal aging and AD, investigate the influence of social factors on decision-making, and investigate the decision-making factors that render older adults (with or without cognitive impairment) vulnerable to financial exploitation and other forms of mistreatment and abuse. The FOA also invites applications to apply basic research on the processes involved in decision-making to the design of decision-supportive interventions for midlife and older adults with and without AD. Specific opportunities include the development of decision-supportive interventions to leverage cognitive, emotional and motivational strengths of these populations; tools to assess decisional capacity; strategies for simplifying choices and offering better defaults; and the promotion of timely adoption of optimal delegation practices (e.g., power of attorney, living wills, etc.). Application budgets are not limited but need to reflect the actual needs of the proposed project.
Large Research Projects for Prevention of Healthcare-Associated Infections (R01)

National Institutes of Health

https://grants.nih.gov/grants/guide/pa-files/PA-17-008.html

Contact: James Cleeman, 301/427-1330, james.cleeman@ahrq.hhs.gov

Solicitation number: PA-17-008

This FOA issued by AHRQ invites grant applications for funding to conduct Large Research Projects (R01) that propose to advance the base of knowledge for detection, prevention, and reduction of Healthcare-Associated Infections (HAIs). The FOA describes the broad areas of HAI research for which funds are available to support Large Research Projects.

The total costs awarded to a grant under this FOA will not exceed $500,000 in any given year for a period of up to five (5) years.

Addressing Health Disparities in NIDDK Diseases (R01)

National Institutes of Health


Contact: Lawrence Agodoa, 301/594-1932, agodoal@mail.nih.gov

Solicitation number: PA-17-021

This Funding Opportunity Announcement (FOA) invites research projects to improve understanding of the causes of high priority diseases in the United States and reducing/eliminating health disparities. Research is encouraged in the following high priority diseases within the scientific mission areas of the NIDDK: diabetes; obesity; nutrition-related disorders; hepatitis C; gallbladder disease; H. Pylori infection; sickle cell disease, specifically, studies in complications of sickle cell disease within the NIDDK mission areas; kidney diseases; urologic diseases; hematologic diseases, including studies in abnormal hemoglobin synthesis; metabolic diseases; gastrointestinal, hepatic, and renal complications from infection with HIV. Clinical trials are not permitted in response to this FOA.

Application budgets are not limited but need to reflect the actual needs of the proposed project.

Palliative Care Needs of Individuals with Rare Advanced Diseases and Their Family Caregivers (R01)

National Institutes of Health


Contact: Lynn Adams, 301/594-8911, adamsls@mail.nih.gov

Solicitation number: PA-17-018

This funding opportunity announcement (FOA) seeks to expand knowledge and increase the evidence base for palliative care (PC) in advanced rare diseases, including rare cancers, and to improve physical and psychosocial well-being and quality of life among seriously ill individuals and their family caregivers.

Application budgets are not limited but need to reflect the actual needs of the proposed project.
**Improving Individual and Family Outcomes through Continuity and Coordination of Care in Hospice (R01)**

National Institutes of Health


Contact: Karen Kehl, 301/594-8010, kehlka@mail.nih.gov

Solicitation number: PA-17-016

This funding opportunity announcement (FOA) seeks to stimulate research that focuses on reducing negative individual and family outcomes related to unwanted transitions at the end of life and optimizing the individual and family outcomes related to high quality coordination of care for individuals who are enrolled in hospice. This FOA emphasizes individuals who are receiving hospice care and their family caregivers, in any setting where hospice care is provided, including their home, a relative’s home, a hospice inpatient facility, an assisted living facility, a short- or long-term care facility, or a hospital.

Application budgets are not limited but need to reflect the actual needs of the proposed project.

**Addressing Unmet Needs in Persons with Dementia to Decrease Behavioral Symptoms and Improve Quality of Life**

National Institutes of Health


Contact: Lois Tully, 301/594-5968, tullyla@mail.nih.gov

Solicitation number: PA-17-014

The purpose of this funding opportunity announcement (FOA) is to stimulate clinical research addressing behavioral and psychological symptoms of dementia (BPSD) and the association of BPSD with unmet physical, social, or environmental needs in persons with dementia.

Application budgets are not limited but need to reflect the actual needs of the proposed project.

**Self-Management Interventions and Technologies to Sustain Health and Optimize Functional Capabilities (R01)**

National Institutes of Health


Contact: Karen Huss, 301/594-5970, hussk@mail.nih.gov

Solicitation number: PA-17-012

This Funding Opportunity Announcement (FOA) seeks clinical research on self-management interventions and technologies that improve health and quality of life in persons needing assistance to optimize and maintain existing functional capabilities, prevent/delay disabilities and navigate their environment. The research focus encompasses maintenance/restorative care that can be tailored to individuals’ existing functional abilities and interests and is intended to enhance physical, sensory, motor, and mental capabilities. Of particular interest is research designed to maintain functional capabilities in such conditions as cardiac and respiratory insufficiency, movement impairment associated with arthritis, chronic back pain, stroke, and other physical or cognitive disabilities.
Use of Technology to Enhance Patient Outcomes and Prevent Illness (R01)

National Institutes of Health


Contact: Augie Diana, 301/402-6423, dianaa@mail.nih.gov

Solicitation number: PA-17-010

This Funding Opportunity Announcement (FOA) seeks clinical research focused on the development and utilization of technologies that can help address patient outcomes. Relevant areas of technology include remote healthcare delivery to patients via telehealth, robotics to enhance medication adherence, on-site (e.g., clinical or home setting) care delivery, mobile health to increase access and adherence, web-based decision support tools, and others. Research projects may focus on assessment, diagnosis, intervention development, or intervention implementation. Research projects that a) incorporate emerging and cutting edge technologies to explain and predict patient trajectories, b) inform interventions, c) support real-time clinical decision making, and d) facilitate effective long-term management of chronic illness are especially needed. Critical to this FOA, proposed research should identify specific patient outcomes expected to improve from technological approaches. The specific tools or interventions proposed should clearly indicate how they will enhance patient benefits in environments, such as clinical settings, and/or in the home and community.

Application budgets are not limited but need to reflect the actual needs of the proposed project.

Palliative Care Needs of Individuals with Rare Advanced Diseases and Their Family Caregivers (R01)

National Institutes of Health


Contact: Lynn Adams, 301/594-8911, adamsls@mail.nih.gov

Solicitation number: PA-17-018

This funding opportunity announcement (FOA) seeks to expand knowledge and increase the evidence base for palliative care (PC) in advanced rare diseases, including rare cancers, and to improve physical and psychosocial well-being and quality of life among seriously ill individuals and their family caregivers.

Application budgets are not limited but need to reflect the actual needs of the proposed project.
Addressing Health Disparities in NIDDK Diseases (R01)

National Institutes of Health


Contact: Lawrence Agodoa, 301/594-1932, agodoal@mail.nih.gov

Solicitation number: PA-17-021

This Funding Opportunity Announcement (FOA) invites research projects to improve understanding of the causes of high priority diseases in the United States and reducing/eliminating health disparities. Research is encouraged in the following high priority diseases within the scientific mission areas of the NIDDK: diabetes; obesity; nutrition-related disorders; hepatitis C; gallbladder disease; H. Pylori infection; sickle cell disease, specifically, studies in complications of sickle cell disease within the NIDDK mission areas; kidney diseases; urologic diseases; hematologic diseases, including studies in abnormal hemoglobin synthesis; metabolic diseases; gastrointestinal, hepatic, and renal complications from infection with HIV. Clinical trials are not permitted in response to this FOA.

Application budgets are not limited but need to reflect the actual needs of the proposed project.

Integrative Research to Understand the Impact of Sex Differences on the Molecular Determinants of AD Risk and R

National Institutes of Health


Contact: Suzana Petanceska, 301/496-9350, petanceskas@nia.nih.gov

Solicitation number: PAR-17-033

This FOA invites applications that apply a cross-disciplinary, team science approach to gain comprehensive, mechanistic understanding of the impact of sex differences on the trajectories of brain aging and phenotypes of AD risk and on the responsiveness to pharmacologic and non-pharmacologic interventions.

Annual direct costs are capped at $750K.

Translational Bioinformatics Approaches to Advance Drug Repositioning and Combination Therapy Development f

National Institutes of Health


Contact: Suzana Petanceska, 301/496-9350, petanceskas@mail.nih.gov

Solicitation number: PAR-17-032

This funding opportunity invites applications that integrate the use of computational approaches to identify individual drugs currently used for other conditions with potential to be efficacious in AD or AD-related dementias (as single drugs or as drug combinations) with proof-of-concept efficacy studies in cell-based models, animal models and/or humans.

Annual direct costs are capped at $500K.
Common Mechanisms and Interactions Among Neurodegenerative Diseases (R01)

National Institutes of Health


Contact: John Hsiao, 301/496-9350, jhsiao@mail.nih.gov

Solicitation number: PAS-17-028

This FOA encourages preclinical and clinical research to study whether, and how, different neurodegenerative disease processes interact with one another to initiate and/or hasten progression of neuropathology and dementia. We need to understand how different neurodegenerative processes interact clinically and physiologically. We need to be able to more precisely identify which neurodegenerative process or processes are active in individual patients. At the same time, we need to better understand how different neurodegenerative diseases resemble and differ from one another at the molecular, cellular, and organismic levels. Application budgets are not limited but need to reflect the actual needs of the proposed project. The maximum project period is 5 years.

Clarifying the Relationship between Delirium and Alzheimer’s Disease and Related Dementias (R01)

National Institutes of Health


Contact: Susan Zieman, 301/496-6761, susan.zieman@ni.gov

Solicitation number: PAR-17-038

This Funding Opportunity Announcement (FOA) invites applications that focus on clarifying the relationship between delirium and Alzheimer’s disease and related dementias (ADRD). Specifically sought is research focusing on understanding why persons with ADRD are at increased risk to develop delirium, often with a worse prognosis compared to those without antecedent ADRD, and why patients who experience delirium are at higher risk to develop subsequent short- and/or long-term mild cognitive impairment or ADRD, often with an accelerated rate of cognitive decline compared to those without preceding delirium. Relevant research projects may focus on, but are not limited to, those that A) provide insight into possible common, sequential, causative, contributory and/or synergistic pathways underlying both ADRD and delirium, B) elucidate mechanisms that lead to the development of delirium against the background of aging and/or neurodegeneration, with particular emphasis on use of appropriate animal models, C) identify risk factors for the onset and/or progression of delirium in those with ADRD and vice versa, D) diagnose and assess one condition in the setting of the other, E) identify putative phenotypes of patients with co-existing ADRD and delirium, or F) test pharmacologic and/or non-pharmacologic strategies to prevent, treat, or reduce the impact of delirium in patients with ADRD and vice versa. Research supported by this FOA is intended to provide mechanistic insight to improve risk assessment, diagnosis, phenotyping, prevention, and management approaches for both delirium and ADRD.

Addressing the Etiology of Health Disparities and Health Advantages Among Immigrant Populations (R01)

National Institutes of Health


Contact: Rina Das, 301/496-3996, dasr2@mail.nih.gov

Solicitation number: PA-17-041

The purpose of this Funding Opportunity Announcement (FOA) is to support innovative research to understand uniquely associated factors (biological, behavioral, sociocultural, and environmental) that contribute to health disparities or health advantages among U.S. immigrant populations. The goal of the Immigrant Health Initiative is to support research to understand the risk/protective factors and challenges affecting the health of U.S. immigrant populations (particularly migrant workers, recent and 1st generation immigrants) and address issues that promote health equity. For the purposes of this funding announcement, the term "1st generation" refers to people who were born in their native country and relocated to the U.S. The term "2nd generation" refers to the U.S. born children of 1st generation immigrants. 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.
Addressing Health Disparities through Effective Interventions among Immigrant Populations (R01)

National Institutes of Health

https://grants.nih.gov/grants/guide/pa-files/PA-17-043.html

Contact: Rina Das, 301/496-3996, dasr2@mail.nih.gov

Solicitation number: PA-17-043

The purpose of this Funding Opportunity Announcement (FOA) is to support innovative research to develop and implement effective interventions to address health disparities among U.S. immigrant populations. The goal of the Immigrant health initiative is to support research to design and implement effective interventions to reduce the health disparities among immigrant populations (particularly migrant workers, recent and 1st generation immigrants) and address issues that promote health equity. For the purposes of this funding announcement, the term "1st generation" refers to people who were born in their native country and relocated to the U.S. The term "2nd generation" refers to the U.S. born children of 1st generation immigrants. The intervention research under this FOA should be aimed at improving the health outcome among immigrant groups by targeting the causes or consequences of health disparities. Multi-level interventions that include a combination of individual, group (such as peers, family members, etc.), and/or community-level intervention components have been shown to be effective in improving health outcomes. Therefore, this FOA strongly encourages multi-level interventions (i.e., ranging from individuals to societies) in addressing immigrant health disparities. 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.

Focused Technology Research and Development (R01)

National Institutes of Health


Contact: Douglas Sheeley, 301/451-6446, sheeleyd@mail.nih.gov

Solicitation number: PAR-17-045

This initiative will support projects that focus solely on development of technologies with the potential to enable biomedical research. Projects should be justified in terms of potential biomedical impact, but should not include any application to specific biomedical research questions. Proof of principle for the technology will have already been shown, but there will still be significant fundamental technical challenges. Applications should include preliminary data. The products of this research will be functioning prototype instruments, methods, synthetic approaches, etc., characterized adequately to be ready for first application to the type of biomedical research questions that provided the rationale for their development. 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 4 years. The grant may be renewed one time.

Leveraging Existing Cohort Studies to Clarify Risk and Protective Factors for Alzheimer’s Disease and Related Dementias (R01)

National Institutes of Health


Contact: Jonathan King, 301/402-4156, kingjo@nia.nih.gov

Solicitation number: PAR-17-054

This FOA invites applications that will combine multiple cohorts in order to improve statistical power and clarify risk and protective factors for Alzheimer’s disease and related dementias (AD/ADRD). This FOA encourages combined cohorts (or consortia) to use and/or harmonize existing data, to collect data on new variables not present in all cohorts, to add new participants, or to link participants to administrative data. By “existing cohorts” we mean groups of participants on whom substantial longitudinal data have already been collected. By “leveraging” we mean engaging in any activities that will improve statistical power of the combined cohorts. Approaches that could elucidate the etiology of AD/ADRD or cognitive resilience are especially encouraged (e.g., “omics” based approaches). Application budgets are not limited but need to reflect the actual needs of the proposed project. The maximum project period is 5 years.
Oral Anticancer Agents: Utilization, Adherence, and Health Care Delivery (R01)

National Institutes of Health


Contact:  Wendy Nelson, 240/276-6971, nelsonw@mail.nih.gov

Solicitation number:  PA-17-060

The purpose of this funding opportunity announcement (FOA) is to encourage research grant applications to: (1) assess and describe the current state of oral anticancer medication utilization, delivery, and adherence; (2) identify structural, systemic, and psychosocial barriers to adherence; and (3) develop models and strategies to improve safe and effective delivery of these agents so that clinical outcomes are optimized. Applications should focus research questions on at least one of the following: specific cancer type; class of drugs; and/or groups subject to disparities (e.g., elderly populations, members of low socioeconomic groups, racial/ethnic minorities). Research may be focused at the patient (pediatric, adolescent, or adult), patient-caregiver, provider, health care team, or health care delivery system level, and may include intervention studies, observational studies, or mixed-methods studies. Observational studies should emphasize modifiable risk factors for future intervention research.

Promoting Caregiver Health Using Self-Management (R01)

National Institutes of Health


Contact:  Karen Huss, 301/594-5970, hussk@mail.nih.gov

Solicitation number:  PA-17-062

The purpose of this initiative is to stimulate research in promoting caregiver health using self-management. Caregiving is an important science area since the number of people living longer with chronic conditions is growing. Informal caregivers (lay caregivers) are defined as unpaid individuals (spouses, partners, family members, friends, or neighbors) involved in assisting others with activities of daily living and/or medical tasks. Formal caregivers are paid, delivering care in one’s home or care settings (daycare, residential care facility). This concept focuses on informal caregivers.

Fertility Status as a Marker for Overall Health (R01)

National Institutes of Health


Contact:  Susan Taymans, 301/496-6517, TaymansS@mail.nih.gov

Solicitation number:  PA-17-091

The purpose of this FOA is to support research that explores the premise that fertility status can be a marker for overall health. It is clear that chronic conditions such as cancer, diabetes, and obesity can impair fertility, however less is known about the extent to which fertility status can impact or act as a marker for overall health. Data suggest that infertility is not necessarily a unique disease of the reproductive axis, but is often physiologically or genetically linked with other diseases and conditions. Recent epidemiologic studies demonstrate links between fertility status in both males and females and various somatic diseases and disorders. Taken together, these data strongly suggest that fertility status can be a window into overall health. This FOA focuses on studies evaluating fertility as a marker for overall health and therefore applications that look at the effects of a disease or disorder on fertility are outside the scope of this program. This FOA encourages research to bolster evidence of fertility status as a marker for overall health in cases where the epidemiologic data is not already solid, and to explore the mechanistic links between fertility status and a later, known adverse health outcome. Ultimately, such efforts could inform the counseling and interdisciplinary clinical care of infertility patients at higher risk for other diseases or disorders. The scope of the proposed project should determine the project period. The maximum project period is 5 years. Application budgets are not limited but need to reflect the actual needs of the proposed project.
Basic Mechanisms of Brain Development Mediating Substance Use and Dependence (R01)

National Institutes of Health
Contact: Da-Yu Wu, 301/435-4659, wudy@nida.nih.gov
Solicitation number: PA-17-119

This FOA encourages applications from investigators that propose to study the developing brain or brain areas that play significant roles in mediating emotional and motivated behavior and in substance use and dependence. All stages of brain development are of interest, but a new emphasis of the current reissue of this initiative is to support basic neuroscience research on fundamental mechanisms of brain development during prepuberty and the adolescent period in relation to the problems of substance abuse and co-morbidity with psychiatric disorders. Topics of interest pertaining to brain development of this initiative include, but are not limited to, the euphoric properties of abused substances, actions of psychotherapeutic agents, and their consequences on memory, cognitive and emotional processes. A major goal of this initiative is to understand how exposure to substances of abuse and environmental insults affects the cellular and molecular mechanisms underlying nervous system development and neural circuit functions implicated in substance use and addiction. The scope of the proposed project should determine the project period. The maximum period is 5 years. Application budgets are not limited but need to reflect the actual needs of the proposed project.

Discovering Novel Targets: The Molecular Genetics of Drug Addiction and Related Co-Morbidities (R01)

National Institutes of Health
https://grants.nih.gov/grants/guide/pa-files/PA-17-120.html
Contact: Jonathan Pollock, 301/435-1309, jpollock@mail.nih.gov
Solicitation number: PA-17-120

This FOA encourages applications for research projects that identify, validate and/or functionally characterize loci, genetic variations and haplotypes that are associated with vulnerability to addiction and that potentially inform the likelihood of responsiveness to treatment. Applications that propose to examine intermediate phenotypes or endophenotypes to assess the molecular genetics of drug addiction, addiction vulnerability and/or their associated co-morbidities and how they are related to drug addiction are especially encouraged. Also encouraged are genetic as well as computational and large-scale genomic approaches, which may include but are not limited to linkage, linkage disequilibrium, case-control or family-based studies, and integration of data from other databases that may supplement substance abuse genetics and genomics data. Data may be collected from the general population, special populations, recent admixed populations, and/or animal models. Secondary data analysis of data collected from the general population, special populations, recent admixed populations, and/or animal models is also appropriate for this announcement. Investigators are encouraged to include functional characterization, gene x gene interactions, gene x environment interactions, gene x environment x development interactions, pharmacogenetics, and non-human models, as appropriate. The scope of the proposed project should determine the project period. The maximum project period is 5 years. Application budgets are not limited but need to reflect the actual needs of the proposed project.
Targeted basic behavioral and social science and intervention development for HIV prevention and care (R01)

National Institutes of Health


Contact: Pim Brouwers, 240/627-3863, ebrouwer@mail.nih.gov

Solicitation number: PA-17-106

This FOA solicits innovative, targeted basic behavioral and social science and intervention development research to reduce incident HIV infections and improve the health of those living with HIV. This FOA encourages research designed to (a) conduct basic behavioral and social science research that is needed to advance the development of HIV prevention and care interventions, (b) translate and operationalize the findings from these basic studies to develop interventions and assess their acceptability and feasibility and (c) conduct tests of the efficacy of HIV prevention and care interventions. This FOA encourages novel, high impact behavioral and social science research that will contribute to empirically-based HIV risk-reduction and care-improvement approaches that could be used for prevention, improved clinical outcomes, and cure. The following types of studies can advance these goals: (1) Targeted basic behavioral and social science research to identify and quantify micro- and macro-level social and behavioral determinants that may mediate or moderate HIV acquisition, transmission and care, (2) development of combination behavioral-biomedical approaches to HIV-related interventions, (3) tests of approaches to increase intervention potency and durability, (4) enhanced targeting of those most highly impacted by the pandemic, (5) identification of novel intervention approaches and methodologies that address multiple levels of influence on HIV acquisition, transmission, and care. This FOA uses the R01 grant mechanism while PA-17-105 uses the R21 mechanism. The scope of the proposed project should determine the project period. The maximum project period is 5 years. Application budgets are not limited but need to reflect the actual needs of the proposed project.

Chronic Condition Self-Management in Children and Adolescents (R01)

National Institutes of Health


Contact: Rebecca Roof, 301/594-5971, Rebecca.Roof@nih.gov

Solicitation number: PA-17-115

The purpose of this FOA is to encourage research to improve self-management and quality of life in children and adolescents with chronic conditions. Managing a chronic condition is an unremitting responsibility for children and their families. Children with a chronic condition and their families have a long-term responsibility for self-management. This FOA encourages research that takes into consideration various factors that influence self-management such as individual differences, biological and psychological factors, family/caregivers and sociocultural context, family-community dynamics, healthcare system factors, technological advances, and the role of the environment. This FOA is restricted to studies of children and adolescents ages 6 to 17 (see NOT-OD-16-010) with chronic conditions as children younger are less likely to manage their health conditions. Researchers can focus on any age group within this range but investigators must demonstrate that the approach is appropriate to the developmental stage. Studies of chronic mental illness or serious cognitive disability are beyond the scope of this FOA. Research should be patient-focused and be appropriate for the developmental stage being studied. Additionally, since children and adolescents may be living with a chronic condition their whole life, there is particular interest in studies on assessing factors that make self-management sustainable in the long-term, when appropriate. The scope of the proposed project should determine the project period. The maximum project period is 5 years. Application budgets are not limited but need to reflect the actual needs of the proposed project.
Reducing Health Disparities Among Minority and Underserved Children (R01)

National Institutes of Health


Contact: May Roary, 301/594-2154, mary.roary@nih.gov

Solicitation number: PA-17-118

This initiative encourages research that targets the reduction of health disparities among children. Investing in early childhood development is essential. Specific targeted areas of research include bio-behavioral studies that incorporate multiple factors that influence child health disparities such as biological (e.g., genetics, cellular, organ systems), lifestyle factors, environmental (e.g., physical and family environments) social (e.g., peers), economic, institutional, and cultural and family influences; studies that target the specific health promotion needs of children with a known health condition and/or disability; and studies that test, evaluate, translate, and disseminate health promotion prevention and interventions conducted in traditional and non-traditional settings. The scope of the proposed project should determine the project period. The maximum project period is 5 years. Application budgets are not limited but need to reflect the actual needs of the proposed project.

Neuroscience Research on Drug Abuse (R01)

National Institutes of Health


Contact: Roger Sorensen, 301/443-3205, rsorense@nida.nih.gov

Solicitation number: PA-17-111

The overarching goals of the research areas described in this FOA are to understand the neurobiological mechanisms underlying substance use disorders, with special emphasis on identifying changes and neuroadaptations that occur during dependence, withdrawal, and relapse to chronic substance use. An understanding of the basic mechanisms underlying substance use disorders can help to identify targets for prevention and treatment interventions. Research utilizing basic, translational, or clinical approaches is appropriate. This FOA encourages basic neurobiological studies that use in vivo and in vitro model systems as well as studies in humans. Applicants are especially encouraged to include appropriate behavioral models and paradigms of behavioral components or stages of addiction in their research proposals, especially in response to chronic exposure to drugs, different drug administration regimens, withdrawal, or recovery. The subject of study can be at the level of a single protein or gene, neurobiological system, or the entire organism. Research may be conducted across multiple levels of analysis, and applications that incorporate changes over time and/or across multiple scales (e.g., gene to behavior, abuse to dependence, adolescence to adulthood) are sought. Multi- and inter-disciplinary studies are especially encouraged. Topics that would be appropriate to this FOA are; Developmental Approaches, Genetic, Molecular and Cellular Approaches, Neural Circuit and Systems Neuroscience Approaches, Behavioral Approaches, Development of Tools and Reagents for the Study of Substance Use, Computational Modeling and Secondary Data Analysis, and Additional Areas of Interest. Application budgets are not limited but need to reflect the actual needs of the proposed project. The maximum project period is 5 years.

Reducing Overscreening for Breast, Cervical, and Colorectal Cancers among Older Adults (R01)

National Institutes of Health


Contact: Erica Breslau, 240/276-6773, breslaue@mail.nih.gov

Solicitation number: PA-17-110

The purpose of this FOA is to promote research on interventions, based in healthcare settings, designed to reduce overscreening for breast, cervical, or colorectal cancers among average-risk older adults. While ongoing efforts to promote screening have been successful, there is growing concern that these tests may be overused, thereby subjecting adults to unnecessary risks. Overscreening older adults may be driven by factors at the individual, healthcare team, healthcare system and community organization levels. Therefore, research is needed both to understand the factors that drive overuse and to develop and test interventions that will reduce overuse in healthcare delivery systems. Research supported by this FOA should propose to intervene at two or more levels, and should measure outcomes at two or more levels, while accounting for interactions that occur between levels. Research supported by this FOA should enhance knowledge and consequences of overscreening to improve the health, independence, and quality of life of older adults. Eligible organizations are higher education institutions. Application budgets are not limited but need to reflect the actual needs of the proposed project.
5/31/2017  Application
10/5/2017  Application

**Basic Mechanisms of Brain Development Mediating Substance Use and Dependence (R01)**

National Institutes of Health


Contact: Da-Yu Wu, 301/435-4649, wudy@nida.nih.gov

Solicitation number: PA-17-119

This FOA encourages applications from investigators that propose to study the developing brain or brain areas that play significant roles in mediating emotional and motivated behavior and in substance use and dependence. All stages of brain development are of interest, but a new emphasis of the current reissue of this initiative is to support basic neuroscience research on fundamental mechanisms of brain development during prepuberty and the adolescent period in relation to the problems of substance abuse and co-morbidity with psychiatric disorders. Topics of interest pertaining to brain development of this initiative include, but are not limited to, the euphoric properties of abused substances, actions of psychotherapeutic agents, and their consequences on memory, cognitive and emotional processes. A major goal of this initiative is to understand how exposure to substances of abuse and environmental insults affects the cellular and molecular mechanisms underlying nervous system development and neural circuit functions implicated in substance use and addiction. 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 period is 5 years.

5/31/2017  Application
10/5/2017  Application

**Discovering Novel Targets: The Molecular Genetics of Drug Addiction and Related Co-Morbidities (R01)**

National Institutes of Health

https://grants.nih.gov/grants/guide/pa-files/PA-17-120.html

Contact: Jonathan Pollock, 301/435-1309, jpollock@mail.nih.gov

Solicitation number: PA-17-120

This FOA encourages applications for research projects that identify, validate and/or functionally characterize loci, genetic variations and haplotypes that are associated with vulnerability to addiction and that potentially inform the likelihood of responsiveness to treatment. Applications that propose to examine intermediate phenotypes or endophenotypes to assess the molecular genetics of drug addiction, addiction vulnerability and/or their associated co-morbidities and how they are related to drug addiction are especially encouraged. Also encouraged are genetic as well as computational and large-scale genomic approaches, which may include but are not limited to linkage, linkage disequilibrium, case-control or family-based studies, and integration of data from other databases that may supplement substance abuse genetics and genomics data. Data may be collected from the general population, special populations, recent admixed populations, and/or animal models. Secondary data analysis of data collected from the general population, special populations, recent admixed populations, and/or animal models is also appropriate for this announcement. Investigators are encouraged to include functional characterization, gene x gene interactions, gene x environment interactions, gene x environment x development interactions, pharmacogenetics, and non-human models, as appropriate. It is highly recommended that applicants contact NIDA Scientific/Research staff during the early planning stages of project development to gauge interest in the genetics of the particular phenotype proposed, as well as the genetic approach being taken. 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.

5/31/2017  Application
10/5/2017  Application

**Reducing Health Disparities Among Minority and Underserved Children (R01)**

National Institutes of Health


Contact: May Roary, 301/594-2154, mary.roary@nih.gov

Solicitation number: PA-17-118

This initiative encourages research that targets the reduction of health disparities among children. Investing in early childhood development is essential. Specific targeted areas of research include bio-behavioral studies that incorporate multiple factors that influence child health disparities such as biological (e.g., genetics, cellular, organ systems), lifestyle factors, environmental (e.g., physical and family environments) social (e.g., peers), economic, institutional, and cultural and family influences; studies that target the specific health promotion needs of children with a known health condition and/or disability; and studies that test, evaluate, translate, and disseminate health promotion prevention and interventions conducted in traditional and non-traditional settings. 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.
Chronic Condition Self-Management in Children and Adolescents (R01)

National Institutes of Health


Contact: Rebecca Roof, 301/594-5971, Rebecca.Roof@nih.gov

Solicitation number: PA-17-115

The purpose of this FOA is to encourage research to improve self-management and quality of life in children and adolescents with chronic conditions. Managing a chronic condition is an unremitting responsibility for children and their families. Children with a chronic condition and their families have a long-term responsibility for self-management. This FOA encourages research that takes into consideration various factors that influence self-management such as individual differences, biological and psychological factors, family/caregivers and sociocultural context, family-community dynamics, healthcare system factors, technological advances, and the role of the environment. This FOA is restricted to studies of children and adolescents ages 6 to 17 (see NOT-OD-16-010) with chronic conditions as children younger are less likely to manage their health conditions. Researchers can focus on any age group within this range but investigators must demonstrate that the approach is appropriate to the developmental stage. Studies of chronic mental illness or serious cognitive disability are beyond the scope of this FOA. 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.

Improving Outcomes for Disorders of Human Communication (R01)

National Institutes of Health


Contact: Judith Cooper, 301/402-0909, myersc@mail.nih.gov

Solicitation number: PA-17-139

The purpose of this FOA is to improve the health outcomes for individuals with deafness and other communication disorders through effectiveness and health services research in the NIDCD mission areas of hearing, balance, smell, taste, voice, speech and language. Applications in response to this FOA are expected to be multidisciplinary, focus on practice-relevant questions, and may focus on the population or individual across the lifespan in diverse real-world settings. Applicants are encouraged to utilize community-based participatory research methods (i.e., alignments with patient, provider, or advocacy groups). Studies that utilize existing infrastructure (e.g., practice-based research networks, electronic medical records, existing data bases or patient registries) are also encouraged. Primary outcome measures should be validated and generally accepted by the field. This FOA is not intended to support applications addressing health literacy studies as well as studies conducted in academic research laboratories or settings that are not representative of typical practice settings if generalizability would be substantially impacted. Application budgets are not limited but need to reflect the actual needs of the proposed project. The maximum project period is five years.
Advancing our Understanding of the Brain Epitranscriptomics (R01)

National Institutes of Health


Contact: Enrique Michelotti, 301/443-5415, michelottiel@mail.nih.gov

Solicitation number: PAR-17-153

The purpose of this FOA is to enable and stimulate research to identify and understand the functional role of RNA modifications in the brain and the associated readers, writers, and eraser complexes in basic neurobiological processes. Research projects appropriate for this initiative can fall in several areas: (1) discovery of novel brain-specific or brain-enriched RNA modifications; (2) development of tools, technologies or methods to detect and profile RNA modifications in the brain including at single nucleotide resolution; (3) investigations of the dynamics of RNA modifications in specific brain cell types/cell programs/tissues; (4) mechanistic studies of the proteins involved in ‘writing’, ‘reading’, and/or ‘erasing’ epitranscriptomic modifications in the brain; and (5) development of assays for the detection and the perturbation of (adding/removing) modifications at specific sites. Proposed projects should explore the brain-specific role of one or more eukaryotic RNA modifications of any of the 4 RNA bases, cytosine, guanidine, adenine or uracil (e.g., m6A, m5C, pseudouridine), ribose methylation, ribose hydroxylation, or regulatory aspects of the protein complexes that are directly involved in RNA modification (readers, writers, or erasers). Projects should develop tools or explore basic biological processes relevant to cells, circuits and pathways underlying mental disorders or addiction. Projects may have discovery components, but should explore novel areas of biology related to RNA modifications in the brain. Applications may also propose to develop novel approaches, tools or technologies to study the epitranscriptome in the brain. Applicants are strongly encouraged to discuss their proposed studies with Scientific/Review contact prior to submission. Application budgets are not limited but need to reflect the actual needs of the proposed project.

Functional Genetics, Epigenetics, and Non-coding RNAs in Substance Use Disorders (R01)

National Institutes of Health


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

Solicitation number: PA-17-155

This FOA encourages basic functional genetic and genomic research in two areas: 1. functional validation to determine which candidate genes/variants/epigenetic/non-coding RNA features have an authentic role in SUDs, and 2. detailed elucidation of the molecular pathways and processes modulated by candidate genes/variants, particularly for those genes with an unanticipated role in SUDs. Applicants proposing to functionally validate genetic findings or to elucidate functional mechanisms for putative genes relevant to SUDs are encouraged to apply to this FOA. Applicants proposing high risk/high payoff exploratory/developmental research projects with limited preliminary data are encouraged to submit an R21 grant application through this FOA, while applicants proposing discrete projects with substantial preliminary data are encouraged to submit an R01 grant application using the companion FOA. Applicants proposing to discover new genes or gene variants involved in SUDs may also apply using the related NIDA PA-17-120 “Discovering Novel Targets: The Molecular Genetics of Drug Addiction and Related Co-Morbidities (R01).” Applications to this FOA can vary greatly in depth and breadth of analysis. They may investigate a single high priority epigenetic or genetic variant in detail (e.g. using gene editing approaches) or test several hundred genes/variants rapidly (e.g. using high throughput RNA knockdown). 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 period is 5 years.
Targeted Implementation Science to Achieve 90/90/90 Goals for HIV/AIDS Prevention and Treatment (R01)

National Institutes of Health


Contact: Christopher Gordon, 240/627-3867, cgordon1@mail.nih.gov

Solicitation number: PA-17-194

This Funding Opportunity Announcement (FOA) encourages implementation research projects designed in partnership with global and domestic service providers, to target the particular needs in the selected community, to achieve the 90/90/90 HIV prevention and treatment targets identified by HIV/AIDS global leadership. The targets for HIV testing are that 90% of all persons living with HIV know their status, for treatment initiation that 90% of those diagnosed receive timely and effective antiretroviral treatment (ART), and for optimal treatment and preventive benefit that 90% of those on treatment achieve sustained viral suppression. Applications with data collection plans that involve multiple respondent groups (e.g., clients/patients, therapists/providers, supervisors, administrators) should address provisions for human subject protections and consenting procedures for all participant groups, accordingly. 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.

Nutrition and Alcohol-Related Health Outcomes (R01)

National Institutes of Health

https://grants.nih.gov/grants/guide/pa-files/PA-17-211.html

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

Solicitation number: PA-17-211

The purpose of this FOA is to encourage applications that examine associations between nutrition and alcohol-related health outcomes in humans and in animal models. The goal is to stimulate a broad range of research on the role of nutrition in the development, prevention, and treatment of a variety of alcohol-related health outcomes including alcohol dependence and psychiatric co-morbidities, chronic and acute diseases, and organ function and damage. Study designs may include experimental studies, feeding studies, epidemiologic approaches, and prevention/intervention studies. Specific areas of research interest include, but are not limited to: Fetal alcohol, chronic disease, and cognition.

Hearing Health Care for Adults: Improving Access and Affordability (R01)

National Institutes of Health


Contact: Kelly King, 301/402-3458, kingke@nidcd.nih.gov

Solicitation number: PA-17-202

This FOA encourages on hearing loss and hearing health care in adults in support of improving access and affordability. Further research is needed to strengthen the evidence base with a goal of delivering better hearing health care outcomes in adults. This FOA encourages applications addressing the research recommendations in the 2009 NIDCD research workshop on AAHHC and the 2016 NASEM report "Hearing Health Care for Adults: Priorities for Improving Access and Affordability". Application budgets are not limited but need to reflect the actual needs of the proposed project. The maximum project period is 5 years.
Mechanisms of Alcohol-associated Cancers (R01)

National Institutes of Health


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

Solicitation number: PA-17-220

This Funding Opportunity Announcement (FOA) invites applications investigating the cellular and molecular mechanisms by which alcohol increases cancer risk. Alcohol consumption is classified as carcinogenic to humans by the International Agency for Research on Cancer (IARC; 2010, 2012) and the National Toxicology Program (NTP; 2014) of the US Department of Health and Human Services. Target sites for alcohol-related carcinogenesis include the upper aerodigestive tract, breast, liver, and colon. A better understanding of the molecular basis by which alcohol increases cancer risk for certain tissues and organs could lead to improved therapeutic approaches and preventative strategies and would provide guidance on safe levels of alcohol consumption. This FOA is intended to attract applications that use comprehensive approaches to address mechanistic questions about alcohol’s effect on cancer development. Genomic, proteomic, metabolomic, lipidomic techniques and systems biology approaches are welcome. Collaborations using existing surveys, repositories and genomics databases to clarify alcohol contributions to cancer development are encouraged. Study designs exploiting established preclinical cancer models for studying alcohol-related carcinogenesis are also encouraged. 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 total project period for an application submitted in response to this funding opportunity may not exceed 5 years.

Academic-Industrial Partnerships to Translate and Validate in vivo Cancer Imaging Systems (R01)

National Institutes of Health


Contact: Houston Baker, 240/276-5908, bakerhou@mail.nih.gov

Solicitation number: PAR-17-093

PAR-17-093

The purpose of this FOA is to stimulate translation of scientific discoveries and engineering developments in imaging or spectroscopic technologies into methods or tools that address problems in cancer biology, risk of cancer development, diagnosis, treatment, and/or disease status. A distinguishing feature of each application will be formation of an academic-industrial partnership, which is a strategic alliance of investigators in academic, industrial, and any other entities who work together as partners to identify and translate a technological solution or mitigation of a cancer-related problem. The goals for proposed technologies are imaging applications in clinical trials, clinical research, non-clinical research, and/or patient care. Among other possibilities, they may include pre-clinical imaging investigations or investigations that combine patient specimens and pre-clinical methods, or optimizations of methods across different commercial platforms, sites, or time. The intent of the FOA is to encourage investigators to assemble a team with strengths and resources sufficient to achieve the proposed translational goals. Therefore, a pre-requisite application feature is formation of a team that includes at least one academic investigator and one investigator from an industrial organization among key team members. The level of participation and budget details are expected to vary among the partners as necessary to achieve the specific aims proposed. Investigator partnerships have the discretion to set effort levels and apportion budget according to the timing and other project requirements at each research step. This FOA is not intended to support commercial production, basic research projects, or clinical studies that lack translation as their primary motivation. The maximum project period is 5 years. Application budgets are not limited but need to reflect the actual needs of the proposed project.
Imaging and Biomarkers for Early Cancer Detection (R01)

National Institutes of Health, National Cancer Institute (NCI)


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

Solicitation number: PAR-16-089

This FOA invites research project (R01) applications that combine imaging and biomarkers. The overall objective of this FOA is to facilitate collaborative imaging and biomarker research to improve cancer screening, early cancer detection and diagnosis by integrating multi modality imaging strategies and multiplexed biomarker methodologies. Application budgets are not limited, but need to reflect the actual needs of the proposed project. The maximum project period is five years.

Revision Applications for Validation of Biomarker Assays Developed Through NIH-Supported Research Grants (R01)

National Institutes of Health


Contact: Kelly Kim, 240/276-7811, kimke@mail.nih.gov

Solicitation number: PAR-17-003

The purpose of this Funding Opportunity Announcement (FOA) is to accelerate the pace of translation of NCI-supported methods/assays/technologies (referred to as "assays") to the clinic. Specifically, the focus of this FOA is on the adaption and clinical validation of molecular/cellular/imaging markers (referred to as "markers" or "biomarkers") for cancer detection, diagnosis, prognosis, monitoring, and prediction of response to treatment, as well as markers for cancer control and prevention. Research applications may support acquisition of well-annotated specimens from NCI-supported or other clinical trials or observational cohorts-consortia for the purpose of clinical validation of the assay. Research projects proposed for this FOA encourage multi-disciplinary interaction among scientific investigators, assay developers, clinicians, statisticians and clinical laboratory staff. Clinical laboratory scientist(s) and statistical experts are highly encouraged to comprise integral parts of the application. This FOA is not intended to support early stage development of technology or the conduct of clinical trials, but rather the adaption and validation of assays to the point where they could be integrated into clinical trials as investigational assays/tools/devices. Application budgets are limited to $150K in direct costs in any single year.

NCI Mentored Research Scientist Development Award to Promote Diversity (K01)

National Institutes of Health


Contact:

Solicitation number: PAR-16-401

The purpose of the NCI Mentored Research Scientist Development Award (K01) is to enhance the diversity of the NCI-funded cancer research workforce by supporting eligible individuals from groups that have been shown to be underrepresented in the biomedical, behavioral, social and clinical sciences. This FOA provides salary and research support for a sustained period of "protected time" for intensive research career development under the guidance of an experienced mentor, or sponsor. The Diversity Training Branch (DTB) of the Center to Reduce Cancer Health Disparities (CRCHD), at the National Cancer Institute (NCI), invites career development award applications (K01) from individuals from backgrounds that have been shown to be underrepresented in health-related science.
NINDS Faculty Development Award to Promote Diversity in Neuroscience Research (K01)

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


Contact: Michelle Jones-London, 301/451-7966, jonesmiche@ninds.nih.gov

Solicitation number: PAR-16-219

The purpose of this award is to diversify the pool of independent neuroscience research investigators and to enhance the opportunity to obtain independent NIH or other independent research support by providing junior faculty with research cost support, protected research time and career stage appropriate professional development mentorship in neuroscience research. Individuals from backgrounds underrepresented in biomedical research are eligible for support under this award if they have doctoral research degrees (Ph.D. or equivalent) and are in the first 3 years of a faculty tenure track or equivalent position at the time of award. Prior to preparing an application, individuals are strongly encouraged to contact the program officials to discuss their training and career development needs. The total project period may not exceed three years. NIH will contribute up to $85K per year toward the salary and up to $100K per year toward the research development costs of the award recipient.

6/12/2017 Application
10/12/2017 Application
2/12/2018 Application

NLM Career Development Award in Biomedical Informatics and Data Science (K01)

National Institutes of Health, National Library of Medicine (NLM)


Contact: Hua-Chuan Sim, 301/594-4882, simh@mail.nih.gov

Solicitation number: PAR-16-204

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

6/12/2017 Application
10/12/2017 Application

NCI Mentored Clinical Scientist Research Career Development Award to Promote Diversity (K08)

National Institutes of Health


Contact: John Ojeifo, 240/276-6186, ojeifojo@mail.nih.gov

Solicitation number: PAR-16-400

The purpose of the NCI Mentored Clinical Scientist Career Development Award (K08) program is to prepare individuals for careers that have a significant impact on the health-related research needs of the nation. This program represents the continuation of a long-standing NIH program that provides support and protected time to individuals with a clinical doctoral degree for an intensive, supervised research career development experience in the fields of biomedical and behavioral research, including translational research. The NCI-sponsored K08 award is specifically designed to promote career development of clinical scientists from diverse backgrounds that have been shown to be underrepresented in health-related science and for those who are committed to a career in basic biomedical, behavioral or translational cancer research, including research on cancer health disparities. The expectation is that through this sustained period of research career development and training, awardees will develop enhanced research capabilities for cancer research careers and be better prepared to compete for research project grants (e.g. R03, R21, or R01) funding.
NCI Mentored Patient-Oriented Research Career Development Award to Promote Diversity (K23)

National Institutes of Health

http://grants.nih.gov/grants/guide/pa-files/PAR-16-399.html - Section II. Award 2

Contact: John Ojeifo, 240/276-6186, ojeifojo@mail.nih.gov

Solicitation number: PAR-16-399

The NCI’s Diversity Training Branch (DTB) and the Center to Reduce Cancer Health Disparities (CRCHD) announce the availability of the "Mentored Patient-Oriented Research Award to Promote Diversity" for career development of individuals with a health professional doctoral degree from groups currently underrepresented on a national level in the biomedical, clinical, behavioral, and social sciences. The NCI recognizes a unique and compelling need to promote diversity in the patient-oriented research workforce.

Award budgets are composed of salary and other program-related expenses.

NCI Mentored Research Scientist Development Award to Promote Diversity (K01)

National Institutes of Health


Contact: Davyd Chung, 240/276-6921, davyd.chung@nih.gov

Solicitation number: PAR-16-401

The purpose of the NCI Mentored Research Scientist Development Award (K01) is to enhance the diversity of the NCI-funded cancer research workforce by supporting eligible individuals from groups that have been shown to be underrepresented in the biomedical, behavioral, social and clinical sciences. This FOA provides salary and research support for a sustained period of "protected time" for intensive research career development under the guidance of an experienced mentor, or sponsor.

The Diversity Training Branch (DTB) of the Center to Reduce Cancer Health Disparities (CRCHD), at the National Cancer Institute (NCI), invites career development award applications (K01) from individuals from backgrounds that have been shown to be underrepresented in health-related science.

Improving Smoking Cessation in Socioeconomically Disadvantaged Populations via Scalable Interventions (R01)

National Institutes of Health


Contact: Yvonne Hunt, 240/276-6975, huntym@mail.nih.gov

Solicitation number: PAR-16-202

The purpose of this FOA is to provide support for highly innovative and promising intervention research designed to improve smoking cessation outcomes among socioeconomically disadvantaged populations. Specifically, this FOA is intended to stimulate research efforts aimed at the development of smoking cessation interventions that: 1) are targeted to socioeconomically disadvantaged populations, and 2) could be made scalable for broad population impact. Applicants may propose projects that develop and test novel cessation interventions with the potential to be scaled up, as well as projects that focus on enhancing the effectiveness, quality, accessibility, utilization, and cost-effectiveness of currently scaled smoking cessation interventions. This FOA provides funding for up to 5 years for research planning, intervention delivery, and follow-up activities.
Innovative Approaches to Studying Cancer Communication in the New Media Environment (R01)

National Institutes of Health


Contact:  Kelly Blake, 240/281-5934, kelly.blake@nih.gov

Solicitation number:  PAR-16-249

This FOA invites applications that seek to apply one or more innovative methodologies in communication research across the cancer control continuum, from prevention, early detection, diagnosis, treatment, and survivorship, to end of life.  Applications to this FOA should utilize one or more of the following analytic approaches, methods, and data sources, including but not limited to social media data mining, Natural Language Processing (NLP) techniques, online social network analysis, crowdsourcing research tools (e.g., mTurk), online search data, Ecological Momentary Assessment, neuroscience and biobehavioral approaches to communication, and geographic information systems.  Studies should assess outcomes related to cancer prevention and control (e.g., knowledge, attitudes, beliefs, perceived risk, decision making in screening and treatment, information inequalities, social support, shared decision making, persuasion, caregiving, behavioral intentions, preventive behaviors, and policy support, among others).

This FOA runs in parallel with an FOA of identical scope, PAR-16-248, that utilizes the R21 Exploratory/Developmental Grant mechanism.

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.
Ongoing

**Ceramics (CER)**
National Science Foundation, Education and Human Resources (EHR)

Contact:
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.

Ongoing

**Arctic Research Opportunities**
National Science Foundation, Office of Polar Programs

Contact: varies
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 ([https://www.nsf.gov/geo/plr/arctic/iarpc/start.jsp](https://www.nsf.gov/geo/plr/arctic/iarpc/start.jsp)) five-year plans.

Ongoing

**Geobiology and Low-Temperature Geochemistry**
National Science Foundation, Geosciences (GEO)

Contact: Enriqueta Barrera, 703/292-7780, ebarrera@nsf.gov
Solicitation number: NSF 15-559

This program supports research on: 1) the interactions between biological and geological systems at all scales of space and time; 2) geomicrobiology and biomineralization processes; 3) the role of life in the transformation and evolution of the Earth's geochemical cycles; 4) inorganic and organic geochemical processes occurring at or near the Earth's surface now and in the past, and at the broad spectrum of interfaces ranging in scale from planetary and regional to mineral-surface and supramolecular; 5) mineralogy and chemistry of soils and sediments; 6) surficial chemical and biogeochemical systems and cycles and their modification through natural and anthropogenic change; and 7) development of tools, methods, and models for low-temperature geochemistry and geobiological research - such as those emerging from molecular biology - in the study of the terrestrial environment. This program is especially interested in proposals in emerging fields. Anticipated funding is $5.2M annually for 30-40 standard awards.
Sedimentary Geology and Paleobiology (SGP)
National Science Foundation, Geosciences (GEO)
Contact: Judith Skog, 703/292-7909, 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.

High-Risk Research in Biological Anthropology and Archaeology (HRRBAA)
National Science Foundation, Social, Behavioral, and Economic Sciences (SBE)
Contact: John Yellen, 703/292-8759, jyellen@nsf.gov
Solicitation number: NSF 08-523
Anthropological research may be conducted under unusual circumstances, often in distant locations. As a result the ability to conduct potentially important research may hinge on factors that are impossible to assess from a distance and some projects with potentially great payoffs may face difficulties in securing funding. This program gives small awards that provide investigators with the opportunity to assess the feasibility of an anthropological research project. The information gathered may then be used as the basis for preparing a more fully developed research program. Projects which face severe time constraints because of transient phenomena or access to materials may also be considered. Individual awards are limited to $35K and one year duration.

Geomorphology and Land Use Dynamics
National Science Foundation, Geosciences (GEO)
Contact: Richard Yuretich, 703/292-8548, ryuretic@nsf.gov
Solicitation number: NSF 15-560
This program supports innovative research into processes that shape and modify landscapes over a variety of length and time scales. The program encourages research that investigates quantitatively the coupling and feedback among such processes, their rates, and their relative roles, especially in the contexts of variation in climatic and tectonic influences and in light of changes due to human impact. Anticipated funding is $5M for a total of 25 to 35 standard or continuing grants per year.

OFR-NSF Partnership in Support of Research Collaborations in Finance Informatics
National Science Foundation
Contact: Vasant Honavar, vhonavar@nsf.gov
Solicitation number: NSF 13-093
NSF and OFR have established a collaboration centered on Computational and Information Processing Approaches to and Infrastructure in support of, Financial Research and Analysis and Management (hereafter referred to as CIFRAM) to identify and fund a small number of exploratory but potentially transformative CIFRAM research proposals. The collaboration enables OFR to support a broad range of financial research related to OFR’s mission, including research on potential threats to financial stability. It also assists OFR with the goal of promoting and encouraging collaboration between the government, the private sector, and academic institutions interested in furthering financial research and analysis. The collaboration enables the NSF to nurture fundamental CISE research on a variety of topics including algorithms, informatics, knowledge representation, and data analytics needed to advance the current state of the art in financial research and analysis. Proposals that involve collaborations between Computer Scientists, Mathematicians, Statisticians, and experts in Financial Risk Analysis and Management are especially welcome.
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 promotes research and education in areas supported by the Division (see [http://www.nsf.gov/div/index.jsp?div=EAR](http://www.nsf.gov/div/index.jsp?div=EAR)). EAR/IF will consider proposals for: 1) Acquisition or Upgrade of Research Equipment, 2) Development of New Instrumentation, Techniques or Software, 3) Support of National or Regional Multi-User Facilities or 4) Support for Early Career Investigators.

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

Archaeology Program - Doctoral Dissertation Research Improvement Awards

The Archaeology Program supports anthropologically relevant archaeological research. This means that the value of the proposed research can be justified within an anthropological context. The Program sets no priorities by either geographic region or time period. It also has no priorities in regard to theoretical orientation or question and it is the responsibility of the applicant to explain convincingly why these are significant and have the potential to contribute to anthropological knowledge. While the Program, in order to encourage innovative research, neither limits nor defines specific categories of research type, most applications either request funds for field research and/or the analysis of archaeological material through multiple approaches. The Program also supports methodological projects which develop analytic techniques of potential archaeological value.

Doctoral Dissertation Research Improvement (DDRI) awards may not exceed $20K over the duration of the three-year project period.

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

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

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.
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 program supports fundamental research that advances the conceptual understanding of hard and soft materials, and materials-related phenomena; the development of associated analytical, computational, and data-centric techniques; as well as predictive materials-specific theory, simulation, and modeling for materials research. The broad spectrum of research supported in CMMT includes first-principles, quantum many-body, statistical mechanics, classical and quantum Monte Carlo, and molecular dynamics methods. Computational efforts span from 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-related 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.

STEM + Computing Partnerships (STEM+C)

As computing has become an integral part of the practice of modern science, technology, engineering and mathematics (STEM), the STEM + Computing Partnerships program seeks to address the urgent need to prepare students from the early grades through high school in the essential skills, competencies, and dispositions needed to succeed in a computationally-dependent world. Thus, STEM+C advances the integration of computational thinking and computing activities in early childhood education through high school (pre-K-12) to provide a strong and developmental foundation in computing and computational thinking through the integration of computing in STEM teaching and learning, and/or the applied integration of STEM content in pre-K-12 computer science education.
Software Infrastructure for Sustained Innovation (SSE, SSI, S2I2) - Limited Submission

National Science Foundation

Contact: varies by Directorate

Solicitation number: NSF 17-526

The Division of Advanced Cyberinfrastructure (CISE/ACI) partners with Directorates and Offices across the Foundation to support SI2, a long-term comprehensive program focused on realizing a sustained software infrastructure that is an integral part of CIF21. The goal of this program is to catalyze and nurture the interdisciplinary processes required to support the entire software lifecycle, and result in the development of sustainable community software elements and reusable components at all levels of the software stack. The program addresses all aspects of cyberinfrastructure, from embedded sensor systems and instruments, to desktops and high-end data and computing systems, to major instruments and facilities. The SI2 program aspires to support vibrant partnerships among academia, government, and industry researchers, including international entities, for the development and stewardship of a sustainable software infrastructure that can enhance productivity and accelerate innovation in science and engineering. This program offers 3 types of awards. Only the Scientific Software Innovation Institutes Conceptualization Award is limited. Scientific Software Innovation Institutes (S2I2): S2I2 awards are intended to establish long-term hubs of excellence in software infrastructure and technologies, which will serve a research community of substantial size and disciplinary breadth. S2I2 includes two subclasses of awards: Conceptualization Awards, which are planning awards aimed at organizing an interdisciplinary community and understanding their software requirements and challenges; and Implementation Awards, which will be made to implement community activities that support software infrastructure, for example, such as those developed by the conceptualization awards. Only Conceptualization proposals will be accepted for this solicitation cycle. Conceptualization proposals must also be in areas not covered by current Conceptualization and Implementation awards. For a list of awards, see Implementation of NSF Software Vision (https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504817).

Advanced Biomanufacturing of Therapeutic Cells (ABTC)

National Science Foundation

Contact: Carol Lucas, 703/292-4608, carlucas@nsf.gov

Solicitation number: NSF 17-502

In recent years, somatic cells as therapeutic agents have provided new treatment approaches for a number of pathological conditions that were deemed untreatable, or difficult to treat. Several successful cell therapies using T cells have been demonstrated for cancer and autoimmune diseases, while stem cell therapies have given relief for heart disease and stroke. Hundreds of clinical trials are ongoing to examine efficacy of cell therapies for a variety of other diseases including diabetes, Alzheimer’s, Parkinson’s, and Crohn’s disease. Production of therapeutic cells is currently expensive and, therefore, cost prohibitive for the large number of people who might benefit from these treatments. The overarching goal of this Advanced Biomanufacturing of Therapeutic Cells (ABTC) solicitation is to catalyze well-integrated interdisciplinary research to understand, design, and control cell manufacturing systems and processes that will enable reproducible, cost-effective, and high-quality production of cells with predictable performance for the identified therapeutic function.
Management and Operation of the Ocean Observatories Initiative (OOI) - Limited Submission

This solicitation seeks the services of a qualified organization to provide scientific and technical management and operation of the OOI consistent with National Science Board policy and NSF's decisions regarding NRC recommendations. The initial period of the award is intended to cover five years, plus a maximum 6 month transition period if required, with performance expected to begin in late-2017. It is expected that proposers will explore innovative operational and management approaches to maximizing OOI data flow to the research community within the $44M operations budget level. Domestic and international partnerships that offer cost savings with academic, commercial, governmental, and/or non-profit institutions are encouraged. Rationale for proposed scope reductions of marine and/or cyberinfrastructure components, if any, to achieve annual budget limits must be provided. Proposers should draw upon guiding documents such as Sea Change, OOI science planning documents, and other documentation and community driven efforts to structure their response in terms of geographic coverage, scientific focus, technological capability, and budgetary projections. Estimated program budget and award size/duration is subject to the availability of funds but not more than $44M per year.

Industry-University Cooperative Research Centers Program (IUCRC)

The Industry-University Cooperative Research Centers (IUCRC) program develops long-term partnerships among industry, academe, and government. The Centers are catalyzed by an investment from the National Science Foundation (NSF) and are primarily supported by industry Center members, with NSF taking a supporting role in the development and evolution of the Center. Each Center is established to conduct research that is of interest to both the industry members and the Center faculty. An IUCRC contributes to the nation's research infrastructure base and enhances the intellectual capacity of the engineering and science workforce through the integration of research and education. As appropriate, an IUCRC uses international collaborations to advance these goals within the global context.

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

The program seeks: 1) to increase the number of low-income academically talented students with demonstrated financial need obtaining degrees in STEM and entering the workforce or graduate programs in STEM; 2) to improve the education of future scientists, engineers, and technicians, with a focus on academically talented low-income students; and 3) to generate knowledge to advance understanding of how factors or evidence-based curricular and co-curricular activities affect the success, retention, transfer, academic/career pathways, and graduation in STEM of low-income students. The STEM disciplines supported by the S-STEM program include: Biological sciences (except medicine and other clinical fields); Physical sciences (including physics, chemistry, astronomy, and materials science); Mathematical sciences; Computer and information sciences; Geosciences; Engineering; and Technology areas associated with the preceding disciplines (for example, biotechnology, chemical technology, engineering technology, information technology, etc.) The S-STEM program particularly encourages proposals from 2-year institutions, Minority Serving Institutions (MSIs), Historically Black Colleges and Universities (HBCUs), Hispanic Serving Institutions (HSIs), tribal colleges, and urban public and rural institutions.
Plant-Biotic Interactions
National Science Foundation
Contact: Michael Mishkind, 703/292-8413, mmishkin@nsf.gov
Solicitation number: NSF 16-551
This program supports research on the processes that mediate beneficial and antagonistic interactions between plants and their viral, bacterial, oomycete, fungal, plant, and invertebrate symbionts, pathogens and pests. This joint NSF-NIFA program supports projects focused on current and emerging model and non-model systems, and agriculturally relevant plants. The program’s scope extends from fundamental mechanisms to translational efforts, with the latter seeking to put into agricultural practice insights gained from basic research on the mechanisms that govern plant-biotic interactions. Projects must be strongly justified in terms of fundamental biological processes and/or relevance to agriculture and may be purely fundamental or applied, or include aspects of both perspectives. All types of symbiosis are appropriate, including commensalism, mutualism, parasitism, and host-pathogen interactions. Research may focus on the biology of the plant host, its pathogens, pests or symbionts, interactions among these, or on the function of plant-associated microbiomes. The program welcomes proposals on the dynamics of initiation, transmission, maintenance and outcome of these complex associations, including studies of metabolic interactions, immune recognition and signaling, host-symbiont regulation, reciprocal responses among interacting species and mechanisms associated with self/non-self recognition such as those in pollen-pistil interactions. Explanatory frameworks may include molecular, genomic, metabolic, cellular, network and organismal processes, with projects guided by hypothesis and/or discovery driven experimental approaches. Where appropriate, quantitative modeling in concert with experimental work is encouraged. Overall, the program seeks to support research that will deepen our understanding of the fundamental processes that mediate interactions between plants and the organisms with which they intimately associate and advance the application of that fundamental knowledge to benefit agriculture. Awards typically range from $50K to $300K per year, with durations of two to four years.

Partnerships for International Research and Education (PIRE) 2017 - Limited Submission
National Science Foundation, Cross-Directorate
Contact: Cassandra M. Dudka, 703/292-7250, PIRE-info@nsf.gov
Solicitation number: NSF 16-571
Partnerships for International Research and Education (PIRE) is an NSF-wide program that supports international activities across all NSF-supported disciplines. The primary goal of PIRE is to support high quality projects in which advances in research and education could not occur without international collaboration. PIRE seeks to catalyze a higher level of international engagement in the U.S. science and engineering community. This PIRE competition will be open to all areas of science and engineering research which are supported by the NSF. The average award size is expected to be approximately $4 million over 5 years. Program objectives include: (1) Support excellence in science and engineering research and education through international collaboration. (2) Promote opportunities where international collaboration can provide unique advantages of scope, scale, flexibility, expertise, facilities, or access to phenomena, enabling advances that could not occur otherwise. (3) Engage and share resources and research infrastructure within and across institutions to build strong international partnerships. (4) Create and promote opportunities for students and early career researchers to participate in substantive international research experiences.

Management and Operations of the Arecibo Observatory - Limited Submission
National Science Foundation
Contact: Joseph E. Pesce, 703/292-7373, jpesce@nsf.gov
Solicitation number: NSF 17-538
NSF hereby solicits proposals to manage and operate the Arecibo Observatory (AO). The AO is a multidisciplinary research and education facility. AO’s cornerstone research instrument is a 305-meter diameter fixed spherical reflector, located on approximately 120 acres of U.S. Federal Government-owned land near Arecibo, Puerto Rico. AO conducts research in passive radio astronomy, solar system radar astronomy, and space and atmospheric sciences. The maximum award is $20,150,000, over a five-year period.
Tomorrow's Internet Project Office (TIPOFF) - Limited Submission

National Science Foundation


Contact: Jack Brassil, (703) 292-8950, jbrassil@nsf.gov

Solicitation number: NSF 17-540

In order to leverage, advance and strengthen its investments in mid-scale computing research infrastructure, the National Science Foundation's (NSF) Directorate for Computer and Information Science and Engineering (CISE) will support the work of Tomorrow's Internet Project Office (TIPOFF). Working closely with the U.S. academic and industrial computer networking research community, TIPOFF will provide leadership and administrative oversight in developing, deploying and operating innovative mid-scale computing research infrastructure to meet evolving research community needs and align with emerging national priorities. The anticipated total funding amount is $10 million over the duration of the project.

Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science

National Science Foundation


Contact: 703/292-7303, nsfincludes@nsf.gov

Solicitation number: NSF 17-522

Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science (NSF INCLUDES) is a comprehensive national initiative designed to enhance U.S. leadership in science, technology, engineering and mathematics (STEM) discoveries and innovations focused on NSF's commitment to diversity, inclusion, and broadening participation in these fields. NSF INCLUDES supports efforts to create networked relationships among organizations whose goals include developing talent from all sectors of society to build the STEM workforce. This initiative seeks to improve collaborative efforts aimed at enhancing the preparation, increasing the participation, and ensuring the contributions of individuals from groups that have traditionally been underrepresented and underserved in the STEM enterprise: women, persons with disabilities, African Americans/Blacks, Hispanic Americans, American Indians, Alaska Natives, Native Hawaiians, Native Pacific Islanders, and persons from economically disadvantaged backgrounds. Significant advancement in the inclusion of these groups will result in a new generation of STEM talent and leadership to secure our nation's future and long-term economic competitiveness.

This solicitation solicits proposals for Design and Development Launch Pilots: Two-year pilot projects that explore the feasibility of bold, innovative ways for solving a broadening participation challenge in STEM. Successful pilots will deliver models or prototypes, which incorporate data and measurement infrastructures, supporting collective efforts aimed at increasing the active participation of those who have been traditionally underserved and underrepresented in all STEM fields. Awards will be approximately $300k over two years.

Antarctic Research

National Science Foundation


Contact: Jessie Crain, 703/292-7457, jlcrain@nsf.gov

Solicitation number: NSF 17-543

The U.S. Antarctic Program supports scientific research in Antarctica and provides related operational research support. The NSF Office of Polar Programs Antarctic Sciences Section (ANT) supports research to: 1) expand fundamental knowledge of the Antarctic region, 2) improve understanding of interactions between the Antarctic region and global earth systems, and 3) utilize the unique characteristics of the Antarctic continent as an observing platform. Antarctic fieldwork is supported for research that can only be performed or is best performed in Antarctica. ANT encourages research using existing samples, models, and data that does not require fieldwork. ANT encourages that crosses and combines disciplinary perspectives and approaches. ANT strongly encourages proposals from groups that are under-represented in science (e.g. women, minorities, those with disabilities) and from investigators new to Antarctic research, with the goal of broadening participation. ANT strongly encourages international collaborations and research-related education and outreach as part of the broader impacts of proposals.
Research Experiences for Undergraduates (REU)
National Science Foundation, Cross-Directorates
Contact: http://www.nsf.gov/crssprgm/reu/reu_contacts.jsp
Solicitation number: NSF 13-542
This program supports active research participation by undergraduate students in any of the areas of research funded by NSF. This solicitation features two mechanisms for support of student research: 1) REU Sites are based on independent proposals to initiate and conduct projects that engage a number of students in research. REU Sites may be based in a single discipline or academic department, or on interdisciplinary or multi-department research opportunities with a coherent intellectual theme. Proposals with an international dimension are welcome. 2) REU Supplements may be requested for ongoing NSF-funded research projects or may be included as a component of proposals for new or renewal NSF grants or cooperative agreements. Students do not apply to NSF to participate in REU activities. Students apply directly to REU Sites or to NSF-funded investigators who receive REU Supplements. Three years is the typical duration for REU Site awards in most NSF directorates; however, a duration of up to five years may be allowed in some cases. The typical REU Site hosts 8-10 students per year. The typical funding amount is $70K-$120K per year.

Research Training Groups in the Mathematical Sciences (RTG)
National Science Foundation, Mathematical and Physical Sciences (MPS)
Contact: Andrew Pollington, 703/292-4878, adpollin@nsf.gov
Solicitation number: NSF 14-585
The long-range goal of this program is to strengthen the nation's scientific competitiveness by increasing the number of well-prepared U.S. citizens, nationals, and permanent residents who pursue careers in the mathematical sciences. The RTG program supports efforts to improve research training by involving undergraduate students, graduate students, postdoctoral associates, and faculty members in structured research groups centered on a common research theme. Research groups supported by RTG must include vertically-integrated activities that span the entire spectrum of educational levels from undergraduates through postdoctoral associates. The maximum award amount is $500K per year for up to five years.

Mentoring Through Critical Transition Points in the Mathematical Sciences (MCTP)
National Science Foundation, Mathematical and Physical Sciences (MPS)
Contact: Varies with research interest
Solicitation number: NSF 11-542
MCTP is part of the Workforce Program. MCTP supports education through research involvement of cohorts of trainees at specific stages of professional development that have been identified as crucial to career success. MCTP is part of the Division of Mathematical Sciences (DMS) Workforce program to increase the number of well-prepared U.S. citizens, nationals, and permanent residents who pursue careers in the mathematical sciences and in other NSF-supported disciplines. Three to five awards will be made.

Geophysics (PH)
National Science Foundation, Geosciences (GEO)
Contact: Robin Reichlin, 703/292-8556, rreichli@nsf.gov
Solicitation number: NSF 16-598
The Geophysics program supports basic research in the physics of the solid earth to explore its composition, structure, and processes. Laboratory, field, theoretical, and computational studies are supported. Topics include seismicity, seismic wave propagation, and the nature and occurrence of earthquakes; the earth's magnetic, gravity, and electrical fields; the earth's thermal structure; and geodynamics. Supported research also includes geophysical studies of active deformation, including geodesy, and studies of the properties and behavior of earth materials in support of geophysical observation and theory.

Other Federal
FY 2017 American Schools and Hospitals Abroad (ASHA) Program

United States Agency for International Development (USAID)


Contact:

Solicitation number: APS-ASHA-17-000001

The United States Government, as represented by the Office of American Schools and Hospitals Abroad (USAID/ASHA), is seeking to support or stimulate activities from any U.S. non-profit, nongovernmental organization to implement activities as described in this Annual Program Statement. As described in Section 214 of the Foreign Assistance Act of 1961, as amended, financial assistance is made available to "schools and libraries outside the United States founded or sponsored by United States citizens and serving as study and demonstration centers for ideas and practices of the United States...and to hospital centers for medical education and research outside the United States, founded or sponsored by United States citizens."

Private/Nonprofit Agencies

Ongoing

Surdna Foundation Grants

Surdna Foundation

http://www.surdna.org/what-we-fund/funding-overview.html

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

Solicitation number:

The Surdna Foundation seeks to foster sustainable communities by making grants in the areas of: Sustainable Environments, with the goal of overhauling the country’s low performing infrastructure, much of it outdated and crumbling, with a new approach that will foster healthier, sustainable, and just communities; Strong Local Economies, with the objective supporting the development of robust and sustainable economies that include a diversity of businesses and access to quality jobs; and Thriving Cultures, with the purpose of supporting efforts to encourage teens to explore the arts, involve artists in community development projects and foster the growth and success of local artists as economic engines and agents for social change. Organizations are eligible for a maximum of three consecutive years of funding. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Ongoing

Smith Richardson Foundation Grants

Smith Richardson Foundation

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

Contact: Varies with research interest

Solicitation number:

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

**Asia Responsive Grants**

Henry Luce Foundation

[http://www.hluce.org/asiarespongrant.aspx](http://www.hluce.org/asiarespongrant.aspx)

Contact: 212/489-7700, hlf1@hluce.org

Solicitation number:

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

Ongoing

**PepsiCo Grants**

Pfizer Inc.


Contact: 914/253-2000, pepsico.foundation@pepsi.com

Solicitation number:

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

Ongoing

**Mellon Foundation Grants**

The Andrew W. Mellon Foundation

[https://mellon.org/programs/](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.

Ongoing

**National Geographic Society Waitt Grants**

National Geographic Society


Contact: waitt@ngs.org

Solicitation number:

Grants are made for exploratory fieldwork that holds promise for new breakthroughs in the natural and social sciences. Applications are processed as they are received and awarded quickly to allow researchers to take advantage of immediate opportunities. About 100 grants of $5K to $15K are awarded annually. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.
Public Welfare Grants
The Foundation supports efforts to advance justice and opportunity for people in need. The Foundation looks for strategic points where its funds can make a significant difference and improve lives through policy change and system reform. The three program areas of focus are: Criminal Justice, Juvenile Justice and Workers' Rights. Though letters of inquiry may be submitted at any time, applicants should plan ahead. It takes up to one month after receiving a letter of inquiry to determine whether an invitation will be sent to submit a full proposal. Full proposals are reviewed in July, November, and March. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Committee for Research and Exploration Grant
The National Geographic Society awards grants for scientific field research and exploration with both a geographical dimension and relevance to other scientific fields. Applications are generally limited to the following disciplines: anthropology, archaeology, astronomy, biology, botany, geography, geology, oceanography, paleontology, and zoology. The committee is emphasizing multidisciplinary projects that address environmental issues. Most grant amounts range from $15K to $20K and are given for one year's research. Approximately 250 grants are awarded per year. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

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

Energy Foundation Grants
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.
Ongoing

**Lumina Grants**
Lumina Foundation
[http://www.luminafoundation.org/grants.html](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.

Ongoing

**Lannan Foundation Grants**
Lannan Foundation
Contact: 505/986-8160, info@lannan.org

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

Ongoing

**Mathers Grants**
The G. Harold & Leila Y. Mathers Charitable Foundation
[http://www.mathersfoundation.org/policies.html](http://www.mathersfoundation.org/policies.html)
Contact: 914/242-0465, admin@mathersfoundation.org

Solicitation number:
The foundation is primarily interested in supporting fundamental basic research in the life sciences. Support is provided for specific projects from established researchers at top universities and independent research institutions within the United States. Formal requests will be either discouraged or invited based on specific detailed queries sent by mail, and are processed when received. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Ongoing

**Conservation Trust Grant**
National Geographic Society
Contact: conservationtrust@ngs.org

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

http://www.pkf.org/grant.html

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

Solicitation number:
The dual criteria for grants are recognizable artistic merit and demonstrable financial need, whether professional, personal or both. The Foundation’s mission is to aid, internationally, those individuals who have worked as professional artists over a significant period of time. The Foundation welcomes, throughout the year, applications from visual artists who are painters, sculptors and artists who work on paper, including printmakers. There are no deadlines. Grants are intended for a one-year period of time. The size of the grant ranges from $5K to $30K. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

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

http://www.pw.org/content/funding_readingsworkshops

Contact: 310/481-7195

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

**Mott Foundation Grants**
The Charles Stewart Mott Foundation

http://www.mott.org/grantseeker.aspx

Contact:

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

**Swiss International Short Visits**
Swiss National Science Foundation


Contact: international@snf.ch

Solicitation number:
The International Short Visits of the SNSF allow for researchers working in Switzerland to go abroad or for researchers from elsewhere to come to Switzerland. The visits can last between one week and three months and are limited to one person (the visiting fellow) going to one institute (the host institute). Both the visiting fellow and one person from the host institute (the host) are co-applicants of the proposal. The SNSF pays lump sums contributing solely to travel (one round trip) and living expenses of the visiting fellow. The submission of an application is possible at any time, but must be deposited at least two months before the grant is due to start.
Humanities Program Grants
The Gladys Krieble Delmas Foundation
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.

Thriving Cultures Program
Surdna Foundation
http://www.surdna.org/what-we-fund/thriving-cultures.html
Contact: 212/557-0010, grants@surdna.org
Solicitation number:
Culture helps people connect over time, inviting them to build and sustain the vibrant communities they call home. Thriving cultures honor and celebrate the artistic impulse as part of community behavior and as a way to strengthen community identity and cohesion. The Surdna Foundation believes that cultural organizations, programs and projects often provide the opportunity for exploration of values and can act as catalysts for the building of just, sustainable communities. At their best, they contribute to fair access to social goods such as rights, opportunities and dignity. Currently, Surdna’s Thriving Cultures Program will accept letters of inquiry in three lines of work: 1) Teens’ Artistic Advancement, 2) Artists Engaging in Social Change, and 3) Community Driven Design. The anticipated grant size ranges from $35K to $80K annually, with duration ranging from one-to-three years. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.
Environmental Management Participation Program for the U.S. Army Environmental Command (USAEC)

Oak Ridge Institute for Science and Education (ORISE)

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

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

Solicitation number:

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

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
http://www.rockefellerfoundation.org/bellagio-center/residency-program/practitioner-residency
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.
Secure and Private Internet of Things

The security of IoT has not kept pace with the fast innovation and deployment of solutions creating significant safety and economic risks. The growing number of IoT devices, systems, and services increases the attack surface making the solutions more vulnerable to cyber-attacks. Recent Distributed Denial of Service (DDoS) attacks against Internet service providers and commercial entities were carried out by a diverse network of botnets made up of compromised set-top devices and other consumer products. Therefore, assuring the security of each component within an IoT solution is crucial in keeping malicious actors from using it in an unauthorized manner. A fully functional IoT architecture includes edge devices, services, transport protocols, and analytics capabilities. This complexity introduces huge challenges in keeping IoT secure while maintaining data privacy and protecting the interests of the user and solution provider. The existing approaches to secure IoT have proven to be insufficient for these new complex architectures. This RFP requests researchers to propose innovative approaches to address issues like those listed. Cisco expects results to be published in a timely manner, and made available freely to the community without licenses, royalties, or other encumbrances. Cisco will keep this RFP open until a position has been filled.

Robust and Transparent Cryptography

Cryptography is essential for information security, but existing cryptosystems do not always provide us with the protections that we need, and those cryptosystems will need to be adapted to meet emerging challenges. Research is need to drive improvements in several areas: robustness, postquantum security, suitability for the Internet of Things, and transparency to the user regarding the correctness and faithfulness of those systems. This call for research requests innovative and forward looking approaches to meeting the needs of robustness, transparency, postquantum security, and IoT. We are especially interested in research that addresses more than one of these areas, or that considers the broader system and context in which implementations of cryptography are used. This RFP will remain open until a position is filled.

Academic Cross-Training Fellowship

The John Templeton Foundation invites applications for its Academic Cross-Training (ACT) Fellowship program beginning November 14, 2016, with fellowships to begin Fall 2018. The ACT Fellowship program is intended to equip recently tenured philosophers and theologians with the skills and knowledge needed to study Big Questions that require substantive and high-level engagement with empirical science.
Exploratory Research Grants
Hagley Museum and Library

http://www.hagley.org/research/grants-fellowships

Contact: Carol Lockman, clockman@hagley.org

These grants support one-week visits by scholars who believe that their project will benefit from Hagley research collections, but need the opportunity to explore them on-site to determine if a Henry Belin du Pont research grant application is warranted. Priority will be given to junior scholars with innovative projects that seek to expand on existing scholarship. Proposals must demonstrate which Hagley collections might be pertinent to the project. Applicants must reside more than 50 miles from Hagley, and the stipend is $400. Low-cost accommodations on Hagley’s grounds are available on first-come, first serve basis. Researchers who use this housing are strongly encouraged to have a car available for transportation during their residency.

Henry Belin du Pont Research Grants
Hagley Museum and Library

http://www.hagley.org/research/grants-fellowships

Contact: Carol Lockman, clockman@hagley.org

These grants enable scholars to pursue advanced research and study in the library, archival, pictorial, and artifact collections of the Hagley Museum and Library. They are intended to support serious scholarly work that makes use of Hagley’s research collections and expands on prior scholarship. Application materials should explain the research project’s focus, methodology, engagement with existing scholarship, and the intended product, as well as Hagley collection(s) to be used during the proposed grant residency. Research grants are awarded for the length of time needed to make use of Hagley collections for a specific project. The stipends are for a maximum of eight weeks and are pro-rated at $400/week for recipients who reside more than 50 miles from Hagley, and $200/week for those within 50 miles.

Art-in-Ed Workspace Residency
Women’s Studio Workshop


Contact: info@wsworkshop.org

The Art-in-Ed Workspace Residency is a four- to five-week opportunity for artists with teaching experience; knowledge of intaglio, silkscreen, or hand papermaking processes; and an interest in working with local school students while creating their own work in WSW’s supportive and immersive environment. Artists can work on their own projects in one or more of our studios: intaglio, letterpress, papermaking, screenprinting, photography, or ceramics. We invite applications from artists in all stages of their careers.
Transformations to Sustainability (T2S)

New Opportunities for Research Funding Agency Co-operation in Europe (NORFACE)

http://www.norface.net/2017/01/19/transformations-to-sustainability-t2s-call-for-project-outline-proposals-is-now-open/

Contact: +31 (0)70 3440990, norface@nwo.nl

Solicitation number:

This programme has two major objectives. To develop understanding of and promote research on transformations to sustainability which are of significant social, economic and policy concern throughout the world and of great relevance to both academics and stakeholders. To build capacity, overcome fragmentation and have a lasting impact on both society and the research landscape by cultivating durable research collaboration across multiple borders, disciplinary boundaries, and with practitioners and societal partners. This includes facilitating the development of new research collaborations with parts of the world which are not often involved in large-scale international research efforts, notably low- and middle-income countries. The programme is structured around three themes, every research project should focus on at least one of these themes; Governance and institutional dimensions of transformations to sustainability, Economy and finance of transformations to sustainability, and Well-being, quality of life, identity, and social and cultural values in relation to transformations to sustainability. The total funding requested from the T2S partners must not exceed € 1.5M across all participating partners for each project. Projects can last up to 36 months.

Lumpkin Family Fund

The Lumpkin Family Foundation


Contact: Amanda Standerfer, 217/234-5702, amanda@lumpkinfoundation.org

Solicitation number:

We make grants in East Central Illinois that reflect our vision: Our community has a strong local food system and agricultural economy, resilient businesses, and amenities that attract new businesses and retain local talent. We are prosperous; Our community is physically active and values healthy eating. We are well and physically fit; Our community has strong leadership and the capacity for collaboration. We are socially engaged; and Our community works to conserve, protect and preserve the natural environment. We value the natural beauty of the area. We encourage grants from organizations across East Central Illinois. We give preference to rural organizations and those operating in Coles and the surrounding counties. We are especially interested in programs or projects that connect communities.

Grants (Catalogues for Contemporary Art Exhibitions and Projects)

Elizabeth Firestone Graham Foundation

http://efgfoundation.com/guidelines.html

Contact: 505/898-5600 ext. 4, info@efgfoundation.com

Solicitation number:

Funding from the Elizabeth Firestone Graham Foundation is currently available to support direct costs for catalogues and other publications accompanying contemporary art exhibitions and projects, especially those supporting emerging and under-recognized artists, and produced by organizations outside the nation’s cultural centers. Limited funds are also available for publications related to the grantee organization and its programs or collections. The Foundation does not provide grants for individuals, general operating expenses, capital campaigns, endowment funds, or projects solely featuring the work of deceased artists. One-time special projects that are originated by the applying organization are preferred. To be considered, project dates must fall within one year of the funding cycle in which the organization is requesting funds. The Foundation is unlikely to provide grants exceeding one third of the proposed publication budget. Grant amounts typically range from $5K to $15K. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.
The Kranzberg Fellowship
Society for the History of Technology
http://www.historyoftechnology.org/awards/kranzberg.html
Contact: Michah Rueber, micahrueber@gmail.com
Solicitation number:
The Melvin Kranzberg Dissertation Fellowship is presented annually to a doctoral student engaged in the preparation of a
dissertation on the history of technology, broadly defined. This award is in memory of the co-founder of the Society and honors
Melvin Kranzberg’s many contributions to developing the history of technology as a field of scholarly endeavor and SHOT as a
professional organization.

The $4,000 award is unrestricted and may be used in any way that the winner chooses to advance the research and writing of his
or her dissertation. Possible uses include underwriting the costs of travel to archival collections; photocopying or microfilming;
translation of documents; and so on. The award may not be used for university tuition or fees.

Yale LGBT Studies Research Fellowship
Yale University
http://lgbts.yale.edu/research
Contact: lgbts@yale.edu
Solicitation number:
Lesbian, Gay, Bisexual, and Transgender Studies at Yale University is proud to announce the second annual Yale LGBT Studies
Research Fellowship. The Fellowship is offered annually, and is designed to provide access to Yale resources in LGBT Studies for
scholars who live outside the greater New Haven area.

The fellowship provides an award of $4,000, which is intended to pay for travel to and from New Haven and act as a living
allowance. Granted for one month, the fellowship must be taken up between September 1, 2017 and April 30, 2018. The
recipient is expected to be in residence for a minimum of twenty days during the period of their award and is encouraged to
participate in the activities of Yale University, including programs organized by Lesbian, Gay, Bisexual, & Transgender Studies,
Women’s, Gender, & Sexuality Studies, and the Yale Research Initiative on the History of Sexualities.

New Innovator in Food and Agriculture Research - Limited Submission
Foundation for Food and Agriculture Research (FFAR)
http://foundationfar.org/new-innovator/
Contact:
Solicitation number:
FFAR created the New Innovator Award to help support the next generation of food and agriculture scientists who will spur
future innovation to meet the needs of a growing global population. The Award funds promising individuals pursuing research
with potential to sustainably enhance agricultural production or improve health through food. Nominees must be within the first
three years of his or her tenure-track or equivalent faculty career. Preference will be given to individuals near the onset of their
independent research careers. The maximum award is $600k over three years.
Research Associateship Programs

National Academy of Sciences

http://sites.nationalacademies.org/PGA/RAP/PGA_050491

Contact: 202/334-2760, rap@nas.edu

Solicitation number:

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

Policies for Action: Policy and Law Research to Build a Culture of Health

Robert Wood Johnson Foundation


Contact: 202/261-5300, Policies4Action@urban.org

Solicitation number:

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

Health Systems Strengthening: Ensuring Effective Health Supply Chains (Round 19)

Bill & Melinda Gates Foundation


Contact: grandchallenges@gatesfoundation.org

Solicitation number:

The Foundation and USAID seek proposals that address challenges in effective health supply chains that are daring in premise, and clearly different from the approaches currently under investigation or employed. The solutions submitted to this topic could focus on an integrated health supply chain, or they could focus specifically on immunization and/or family planning supply chains and their respective programmatic goals. They must have the potential to be scaled up or reproduced in multiple settings. We encourage solutions that translate leading and best practices and solutions developed by the private sector (e.g. outside of health), as well as academic research and findings, to LMICs in a way that support their public health goals. Proposals must provide a strong rationale for the work proposed, demonstrating a clear understanding of country context and needs, and present a defined hypothesis and associated plan for how the idea would be tested or validated. Proposed ideas must ultimately be translatable to practical interventions accessible in resource-limited settings. Phase I projects have a term of 18 months beginning on the project start date.
**Wearables and Technology for Maternal, Neonatal and Child Health Behavior Change (Round 19)**

Bill & Melinda Gates Foundation


Contact: grandchallenges@gatesfoundation.org

Solicitation number:

In order to meet the Sustainable Development Goals set for 2030, mortality reduction must accelerate. We are challenged to lower annual global neonatal deaths from 2.7 million to 1.2 million, and annual global maternal deaths from 303,000 to 97,000. Achieving these targets will require scaling up proven interventions such as: kangaroo mother care (KMC), clean cord care, neonatal resuscitation, diagnosis and treatment of infection, prophylactic uterotonics, antenatal care, and prevention and treatment of hypertensive disorders for mothers. We seek wearable and/or sensor technologies that will improve the health of mothers and newborns by 1) increasing uptake of healthy behaviors and/or 2) facilitating research on maternal and neonatal interventions in low-resource settings. Phase I projects have a term of 18 months beginning on the project start date. Awards of $100K USD are made in Phase I. Phase I awardees have one opportunity to apply for a follow-on Phase II award of up to $1M USD.

**Innovations for Integrated Diagnostics Systems (Round 19)**

Bill & Melinda Gates Foundation


Contact: grandchallenges@gatesfoundation.org

Solicitation number:

In the developing world, diagnostic services range from centralized laboratory settings in highly populated regions to remote health outposts that have limited resources (Figure 1). A well implemented centralized laboratory has the potential to achieve high throughput testing with multi-purpose platforms, often at low cost. To date, the function of existing laboratory services in the developing world remains poor due to multiple factors including low instrument utilization rates, poor data management, supply chain issues, human resource challenges, low rates of results returned, poor quality systems, poor sample transportation systems and low quality specimens. Our challenge is to make technological and process improvements in all the areas mentioned above, while at the same time paying attention to balance the cost trade-offs. Technical innovations that have a measurable improvement in an integrated laboratory network, starting from sample collection, transportation, laboratory testing (local or centralized) to return of the results. Innovations should have the potential to improve turn-around time (from specimen collection to return of result), laboratory instrument capacity utilization rate, percentage of quality results generated, percentage of quality results returned or cost per quality result returned. Early stage feasibility studies are encouraged. Awards of $100K USD are made in Phase I. Phase I awardees have one opportunity to apply for a follow-on Phase II award of up to $1M USD.

**New Approaches for Improving Timeliness of Routine Immunizations in Low-Resource Settings (Round 19)**

Bill & Melinda Gates Foundation


Contact: grandchallenges@gatesfoundation.org

Solicitation number:

We are soliciting innovative ideas for improving timeliness of routine immunizations. We’re specifically seeking applications proposing innovative approaches that successfully improve timeliness while reducing missed opportunities for vaccination, respect gender and equity inequalities, and target hard to reach populations, such as nomadic or remote. Successful proposals will include details on the design and pilot testing of the approach in their application. The effectiveness of the proposed approach on timeliness should be evaluated in Phase I, and a clear plan for the the impact of the approach on vaccine timeliness, completeness and coverage rates should be evaluated in Phase 2 if subsequent funding is awarded. Successful proposals will include: A clear hypothesis underlying the proposed approach to improve timeliness as well as documentation of timeliness (e.g. by a woman/child’s card, by health facility register that can track individual names of women/children vaccinated); Plan for evaluating the effectiveness of the approach in improving timeliness using established metrics; Outline of the design of the proposed approach to improve timeliness; and, A plan for evaluation of the impact of the approach on completeness and coverage rates, should Phase II funding be granted. Phase I projects have a term of 18 months beginning on the project start date.
Biomarkers Development RFP
Alzheimer's Drug Discovery Foundation
http://www.alzdiscovery.org/research-and-grants/applyforfunding
Contact: 212/901-7998, grants@alzdiscovery.org
Solicitation number:
This RFP seeks to support the development and validation of novel and existing biomarkers that will enhance the design and performance of clinical trials for Alzheimer's disease, related dementias, and cognitive aging. More accurate and comprehensive biomarkers will improve patient selection and pharmacodynamic measurements, and provide additional tools for early detection and accurate diagnosis. Priority biomarker areas include: 1) Neuroimaging; 2) CSF and blood-based biomarkers; 3) Functional activity measures; and 4) Other novel approaches supported by compelling evidence. The ADDF is particularly interested in developing and validating biomarkers for, but not limited to, neuroinflammation, synaptic function/morphology, energy utilization/mitochondrial function, protein degradation/autophagy, blood-brain barrier integrity/vascular injury, calcium regulation, vesicular trafficking, oxidative stress, insulin sensitivity, and myelin changes. Awards range from $150k - 300k per year for 1-2 years.

Biomarkers Development
Alzheimer's Drug Discovery Foundation
http://www.alzdiscovery.org/research-and-grants/funding-opportunities/biomarkers
Contact: Andrew Koemeter-Cox, 212/901-7992, akoemetercox@alzdiscovery.org
Solicitation number:
This Request for Proposal (RFP) seeks to support the development and validation of novel and existing biomarkers that will enhance the design and performance of clinical trials for Alzheimer's disease, related dementias, and cognitive aging. More accurate and comprehensive biomarkers will improve patient selection and pharmacodynamic measurements, and provide additional tools for early detection and accurate diagnosis.

The Curry Fund of the Geologists' Association
Geologists' Association
http://www.geologistsassociation.org.uk/curry.html
Contact: curryfund@geologistsassociation.org.uk
Solicitation number:
The Curry Fund exists to support a variety of causes such as facilitating geological publications, including film, video and television productions, geological conservation (for example the purchase, clearance and recording of sites), and other initiatives approved by the Council, including awards to individuals and very limited assistance with travel costs for overseas visitors engaged in geological research. The objects of the fund are: Geological Publication, Geological Conservation, Overseas Visitors, and Other Initiatives. Grants are normally made for sums between £100 and £3K.
5/23/2017  Application and Reference Letter

**CIFAR Azrieli Global Scholars Program**
Canadian Institute for Advanced Research
https://www.cifar.ca/global-scholars/
Contact: global.scholars@cifar.ca
Solicitation number:

The CIFAR Azrieli Global Scholars program is a two-year appointment designed to support young investigators at a pivotal time in their careers. Each scholar will become part of a global network of leading researchers pursuing answers to some of the most difficult challenges facing the world today. They will have the opportunity to be mentored by a senior researcher, to network within a community of top-tier research leaders, and to form new collaborations with colleagues from diverse disciplines. Training in leadership and communication will position scholars as leaders and agents of change within academia and beyond. Global Scholars receive $100K CDN in undesignated research support. Global Scholar positions are awarded as two-year funded appointments.

Appointments will begin in October 2017.

5/31/2017  Letter of Inquiry
8/15/2017  Proposal (Invited)

**Future of Work**
Russell Sage Foundation
http://www.russellsage.org/research/funding/future-work
Contact: Aixa Cintron-Velez, programs@rsage.org
Solicitation number:

The Russell Sage Foundation’s program on the Future of Work supports innovative research on the causes and consequences of changes in the quality of jobs for less- and moderately-skilled workers and their families. We seek investigator-initiated research proposals that will broaden our understanding of the role of changes in employer practices, the nature of the labor market and public policies on the employment, earnings, and the quality of jobs of workers. We are especially interested in proposals that address important questions about the interplay of market and non-market forces in shaping the wellbeing of workers, today and in the future. Examples of the kinds of topics and questions that are of interest include, but are not limited to, the following: Changing economies, changing families and policy responses (or lack thereof), The economics of productivity and the role of managerial practices in improving job quality, Causes and consequences of job polarization, and Effects of long-term unemployment and strategies to prevent long-term disadvantage. Applications should limit budget requests to no more than a two-year period, with a maximum of $150K (including overhead) per project.

**UC and State of California**

Ongoing

**Resident Scholars Program**
UC MEXUS
http://www.ucmexus.ucr.edu/funding/resident-scholars-program.html
Contact: Wendy DeBoer, 951/827-7339, wendy.deboer@ucr.edu
Solicitation number:

The UC MEXUS offers an academic residency program for researchers, scholars and artists at critical junctures in their academic careers. The Institute offers a place for reflection and writing as well as opportunities to interact with the University community. Resident scholars must be self-supporting, as the program does not provide salary. The program offers three types of residencies: 1) Graduate students, 2) recent university graduates, and 3) visiting faculty. Up to four concurrent residencies are available at a time. Please consult UC MEXUS to determine if any positions remain open.
Social Science Research Grant Program (SSRGP)
Institute for Social, Behavioral, and Economic Research
http://www.isber.ucsb.edu/grants/ssrgp
Contact: Shawn Barcelona, 805/893-7281 x5697, shawn.barcelona@ucsb.edu
Solicitation number:
The purpose of this program is to enrich the quality of research in the social sciences at UCSB by means of a competitive program of awards to faculty, aimed at fostering the development of innovative research in the social sciences. Research using any of the methodological or theoretical paradigms within the social and humanistic social sciences is welcome. All eligible faculty members are encouraged to apply. The program will fund research projects at all stages of development, as long as there will be an identifiable outcome or product from the funded activity. Priority will be given to projects likely to lead to extramural funding and therefore, in the early stages of development. Faculty who have never received funding under the SSRGP and pre-tenure faculty are especially encouraged to apply. However, all proposals for social science research projects will be considered. The maximum allowable request under this program is $8K. All projects funded in this cycle will have a start date of July 1, 2017 and an end date of June 30, 2018. Upon written request and adequate justification, a 6 month extension will be granted.

UC MEXUS Small Grants
UC Institute for Mexico and the United States (UC MEXUS)
http://ucmexus.ucr.edu/funding/grant_small.html
Contact: Andrea Kaus, 951/827-3586, andrea.kaus@ucr.edu
Solicitation number:
Small grants support travel, short-term research, initial planning, or other special one-time needs related to the seed phase of projects or programs conducted by UC researchers or research teams in the areas of: Mexico-Related Studies; Latino Studies; United States-Mexican Relations; Critical U.S.-Mexico Issues; Latino and Mexican Topics in the Arts; and Collaborative Research Projects with Investigators at Mexican Institutions. Awards of up to $1.5K for one year are available.
Critical Issues in America

Administered by the College of Letters and Science, the Critical Issues in America endowment provides funds for educational and public programming to address a topic of contemporary national concern or significance. The issue should be approached from an interdisciplinary perspective. Up to $25,000 is available to support courses, conferences, and related programming that bring together faculty, graduate and undergraduate students, community members, and visiting scholars or public officials. Note the extended duration of the award, which will run from September 1, 2017 through December 31, 2018. This allows a full quarter to plan and a full calendar year (2018) to run activities. Creative programming is encouraged, and at a minimum the following activities must be incorporated into the proposal: Topic offered for discussion as a Freshman Seminar, Topic included in other related courses at the undergraduate level, Lectures for faculty, graduate and undergraduate students, staff, and when appropriate, the community, Panel discussions with nationally known experts open to the UC Santa Barbara and external community as appropriate, and Dissemination of the information gathered from the discussions, classes, guest speakers, and research, either published or in other formats. The proposal should demonstrate forethought regarding advertising and communicating project activities to the campus and the local community. The successful PI will be expected to work with the L&S Communications Director to finalize a communications plan. The proposal should identify which academic unit will provide a home and support for management of the program and should demonstrate any other funds available to support the project. Replacement funds to the proposer’s department necessitated by teaching a special Critical Issues course will be at the rate of a replacement lecturer and should be budgeted at this rate. Replacement funds will be provided for no more than one course. The proposal should contain the endorsement of the principle PI’s Department Chair or Director. A required proposal cover sheet is attached.

Contact: Barbara Gilkes, 805/893-3627, bgilkes@ltsc.ucsb.edu

http://college.ucsb.edu/faculty-staff/funding/critical-issues

PIMSA Programa De Investigacion En Migracion Y Salud

All research proposed should highlight the migratory context and impact on health of the issue or problem of interest. Research questions should be focused on the projected impact of results on public policies. The following research areas will be given priority: Mental health, Chronic diseases, Infectious Diseases, Women’s Health, Occupational Health, Access to Health Care, and Health economics under the current political environment. Research awards are limited to $30K for up to 18 months.

Contact: Caroline Dickinson, 510/643-4089, cdickinson@berkeley.edu

https://hia.berkeley.edu/how-to-apply/