Campus and Agency News

SIMONS FELLOWS IN MATHEMATICS, THEORECTICAL PHYSICS

The Simons Foundation Division for Mathematics and the Physical Sciences invites applications for the Simons Fellows Programs in both Mathematics and Theoretical Physics. The Fellows Programs provide funds to faculty for up to a semester long research leave from classroom teaching and administrative obligations. Such leaves can increase creativity and provide intellectual stimulation. The goal of the Simons Fellows Program is to make it easier to take such leaves, or to extend sabbatical leaves by an extra half year. Grants awarded will be restricted to sabbatical-eligible faculty who wish to use the grant for the purpose of extending a single term sabbatical leave to a full academic year.

The program provides salary replacement for up to 50 percent of the Fellow’s current academic-year salary, whether normally paid over nine or twelve months (up to a maximum of $100,000), and up to $10,000 for Mathematics and $25,000 for Physics for expenses related to the leave.

Deadline: September 30, 2015
Click here for more information.

NEH SUMMER STIPENDS FOR 2016
http://www.ihc.ucsb.edu/neh-summer-stipends-2/

The Interdisciplinary Humanities Center is now accepting applications from UCSB faculty members for the National Endowment for the Humanities (NEH) 2016 Summer Stipend program. To be considered for a Summer Stipend, faculty members must submit all application materials by Wednesday, August 19, 2015.

NEH Summer Stipends support individuals working full-time on a humanities project at any stage of development by providing $6,000 for two consecutive months of full-time research and writing. Recipients have produced articles, monographs, books, digital materials, archaeological site reports, translations, editions, or other scholarly resources. Work in the creative arts or performing arts—such as the writing of fiction or poetry, painting, sculpting composing or performing music, acting, directing, and dance—is not eligible.

To be eligible for a summer stipend, UCSB faculty members must submit all application materials as a single PDF to ihcucsb@gmail.com by 5 pm Wednesday, August 19, 2015. Nominations will be announced by Thursday, September 10 to give nominees time to revise their proposals for submission to the NEH by its Thursday, October 1, 2015 deadline. For full information about the stipend and application materials, visit http://www.neh.gov/grants/guidelines/stipends.html.

For further information, please contact Emily Zinn, IHC Associate Director: ezinn@ihc.ucsb.edu.

2016 FACULTY SCHOLARS PROGRAM
http://www.hhmi.org/programs/biomedical-research/faculty-scholars

This program from the Howard Hughes Medical Institute, Bill & Melinda Gates Foundation, and the Simons Foundation, is intended for basic researchers and physician scientists who
have already demonstrated significant research accomplishments and show potential to make unique and important contributions to their fields. Scholars will apply molecular, genetic, computational and theoretical approaches to fundamental problems in diverse areas of biology. Those conducting research at the interface of the biological and physical sciences are especially encouraged to apply as are physician scientists and others studying biological questions emerging from and applicable to global human health problems, including malaria, tuberculosis, HIV, and other diseases that disproportionately affect individuals living in low resource settings. Clinical trials and research on health education, health care delivery, or health services are not eligible fields. Tenure-track as an assistant professor or higher academic rank, with more than 4 but not more than 10 years of post-training, professional experience are eligible.

Awards will range from $100K to $400K per year, over five years. Expenses covered by the grant include: partial salary for faculty; salary for lab personnel; equipment; supplies; travel; publications. Researchers with faculty appointments may apply directly; prior institutional endorsement is not part of the application process.

Deadline: July 28, 2015

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: Communication About Automated Compliance Checking and Proposal Submission
This Dear Colleague Letter is to communicate with the engineering research community about the new features that NSF has implemented in the FastLane system for automated compliance checking and about common reasons for lack of compliance. The goals are to ensure consistency in NSF's proposal submissions, to enhance the ease of submissions, to reduce the number of submitted proposals that will be returned without review, and to enable a greater number of meritorious ideas to advance. NSF has implemented new features for automated compliance checking in the FastLane system. FastLane users are strongly encouraged to check proposals for compliance during the proposal preparation and submission process. The current complete NSF Proposal Preparation Checklist can be found at: http://www.nsf.gov/pubs/policydocs/pappguide/nsf15001/gpg_2.jsp#IIex1

Dear Colleague Letter: U.S. - China Joint Research Projects in Environmental Sustainability
The NSF Engineering Directorate (ENG) and the National Natural Science Foundation of China (NSFC) Department of Engineering and Material Sciences (DEMS) are partnering to encourage joint research by U.S. - China teams collaborating on fundamental research that addresses critical environmental sustainability challenges. The U.S. and China have the two largest economies on Earth and also have important engineering, technology, business and trade relationships with each other. Both nations face significant environmental sustainability challenges, for example in water and energy, urban sustainability, and manufacturing. Fundamental research is needed to provide the foundational knowledge for addressing these challenges. This call is for research proposals from joint U.S. - China teams in two environmental sustainability topic areas:
  • Topic 1. Combustion Related to Sustainable Energy
  • Topic 2. Urban Water Sustainability

Dear Colleague Letter: Unsolicited Proposals for Quantitative Approaches to...
Biomedical Big Data (QuBBD)

Through this Dear Colleague Letter, NSF’s Division of Mathematical Sciences (DMS), Directorate for Mathematical and Physical Sciences, aims to foster inter- and multi-disciplinary, exploratory collaborations by encouraging the submission of unsolicited proposals for small one-year planning grants (typically less than $100,000 in total costs per grant). Collaborative proposals are encouraged from new teams of researchers, representing the quantitative / computational sciences and the biomedical sciences, pursuing novel approaches to data challenges in precision medicine. These collaborations, cutting across multiple disciplines, have the potential to lead to new research directions and contribute to the enhancement of the mathematical sciences infrastructure. Proposals should address how this new collaboration will address a biomedical challenge and describe the use of large-scale publicly available biomedical datasets to illustrate the proposed models and methodology. Data science topics of interest in this context include, but are not limited to, network analysis, causal analysis, and machine learning.

Dear Colleague Letter: NSF STEM Teacher Leader Initiative

NSF requests proposals for new ideas and approaches that can be piloted for up to two years with the goal of discovering successful models for long-term, more established programs to support teacher leaders. Proposed activities should provide more opportunities for the nation to take advantage of these teachers and for them to serve as a resource for improving K-12 science, technology, engineering, and mathematics (STEM) education. In addition to new ideas and techniques, proposals might also build on existing activities that demonstrate promise for adaption and adoption at larger scales. Competitive proposals should describe enhanced professional development intended specifically for already identified teacher leaders that would increase their leadership capacity in STEM education and research. Requests may be for up to $300K and for up to two years’ duration.

CAMPUS HONORS AND AWARDS

- Songi Han, professor in the department of chemistry and biochemistry, received the DOE’s Friedrich Wilhelm Bessel Prize from the Humboldt Foundation, for her pioneering work in developing a novel technique for exploring surface water dynamics at biomolecular surfaces in solution.
- Bradl Chmelka, professor of chemical engineering, was elected as Foreign Member of the Royal Swedish Academy of Sciences.
- Chris Palmstrom, professor of electrical & computer engineering and materials, was named a National Security Sciences and Engineering Faculty Fellow (NSSEFF) by the Department of Defense, for his project “Engineered Heusler Compound Heterostructures and Superlattices”.
- Larry Coldren, professor of electrical & computer engineering, received the International Conference on Indium Phosphide & Related Materials (IPRM) Award in recognition of his leading contributions to the development of InP-based semiconductor lasers and photonic integrated circuits for optical fiber communications.
- Howard Winant, professor of sociology, received the 2015 ASA Cox-Johnson-Frazier Award. This honor is bestowed by the American Sociological Association or work that honors the intellectual traditions and contributions of Oliver Cox, Charles S. Johnson, and E. Franklin Frazier.

LIMITED SUBMISSION DEADLINES

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

Programs with upcoming campus deadlines include:

- Searle Scholars 2016 — Campus Notice of Intent 7/23/2015; Full Application 9/30/2015
- NSF Advancing Digitization of Biodiversity Collections (ADBC) — Campus Notice of Intent 7/23/2015; Full Application 10/09/2015
- NEH Summer Stipends 2016 — IHC Campus Deadline 8/19/2015; Full Application 10/01/2015

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

- NSF Improving Undergraduate STEM Education: Pathways into Geoscience (IUSE: GEO-PATHS) — Letter of Intent (required) 8/14/2015; Agency deadline 10/5/2015
- ED Pathways to the Education Sciences Research Training Program — Agency deadline 8/20/2015
Contract and Grant Awards
June 2015

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

Archuleta, R.J. (Earth Science), Ji, C. (Earth Science), Earth Research Institute, $30,000, University of Southern California, “SCEC4 Participation, Project R: Characterization of Induced micro-seismicity associated with one hydraulic fracturing experiment near the San Andreas Fault, Central California.”


Berg, H.R. (Feminist Studies), Rupp, L.J. (Feminist Studies), Interdisciplinary Humanities Center, $5,000, American Council Of Learned Societies, “Porn Work: Adult Film at the Point of Production.”

Bowers, J.E., Electrical & Computer Engineering, $350,000, Morton Photonics, “Simultaneous RF Beamforming Phased Array Sensors through Wafer Scale Photonic Integration.”

Bowers, J.E., Electrical & Computer Engineering, $45,000, Morton Photonics, “Integrated Photonic Optical Circulator.”


Bullo, F., Friedkin, N. (Sociology), Mechanical Engineering, $49,986, Army, “Dynamic Processes over Dynamic Social Networks [Research Area: ARO Special Programs - STIR Program].”


Cassels, S.L., Geography, $434,851, National Institutes of Health, “Mathematical models to inform effective home-use HIV testing strategies for MSM.”

Clegg, D.O. (Molecular, Cellular & Developmental Biology), Neuroscience Research Institute, $792,042, University of Southern California, “Phase 1 Safety Assessment of CPCB-RPE1, hESC-derived RPE Cell Coated Parylene Membrane Implants, in Patients with Advanced Dry Age Related Macular Degeneration.”

Cosden, M. (Department of Counseling, Clinical, and School Psychology), Sharkey, J. (Department of Counseling, Clinical, and School Psychology), Gevirtz Graduate School of Education, $35,000, Santa Barbara County, “Evaluation of Substance Abuse Treatment Court (SATC).”

Cosden, M. (Department of Counseling, Clinical, and School Psychology), Sharkey, J. (Department of Counseling, Clinical, and School Psychology), Gevirtz Graduate School of Education, $62,500, Santa Barbara, County of, “Evaluation of Veteran’s Treatment Court.”

Costello, C.J. (Donald Bren School of Environmental Science & Management), Marine Science Institute, $27,500, Nature Conservancy, “Task Agreement #7: Improving the Management of Peru’s Anchoveta Fishery.”

Costello, C.J. (Donald Bren School of Environmental Science & Management), Marine Science Institute, $30,000, Nature Conservancy, “TNC MOU, Task 3 Improving the Management of Peru’s Anchoveta Fishery.”

Craig, N.J., Physics, $750,000, Department of Energy, “Leveraging the Higgs to Discover Physics Beyond the Standard Model.”

Doherty, M.F., Chemical Engineering, $214,900, Novartis Pharmaceutical (Switzerland) (Merger Of Ciba-Geigy & Sandoz), “Screening of solvents and their effect on the shape of APIs, particularly of organic salts.”

Dowdy, E. (Department of Counseling, Clinical, and School Psychology), Cosden, M. (Department of Counseling, Clinical, and School Psychology), Gevirtz Graduate School of Education, $44,879, Santa Barbara County Schools, “Evaluation of California Health Facilities Financing Authority (CHFFA) Grant for Crisis Facilities and Crisis Triage Grant.”

Feliciano, E., Student Health Services, $55,000, Santa Barbara County, “Education and Outreach to Students, Property Managers and Other Isla Vista Community Stakeholders on Binge Drinking Prevention.”

Gaines, S. (Ecology, Evolution & Marine Biology), Marine Science Institute, $258,750, Ocean Conservancy, “Reimagining fishery management: A joint project to identify breakthrough approaches to fisheries management.”


Grafton, S.T. (Psychological & Brain Sciences), Giesbrecht, B.L. (Psychological & Brain Sciences), Institute for Collaborative Biotechnologies, $1,362,126, DCS Corporation, “Multimodal Imaging of Human Agents.”


Han, S., Kaminker, I., Chemistry & Biochemistry, $28,200, Human Frontier Science Program Organization, “Revealing protein hydration landscape with sub-nanometer resolution in living cells.”

Helgeson, M.E., Chemical Engineering, $750,000, Department of Energy, “Rheo-structural spectroscopy: fingerprinting the in situ response of fluids to arbitrary flow fields.”

Hodges, S.A. (Ecology, Evolution & Marine Biology), Marine Science Institute, $2,000, Larimer County Department of Natural Resources, “The genetic distinctiveness of Hermit Park’s Aquilegia coerulea var. daileyae.”

Horowitz, G.T., Marolf, D.M., Physics, $1,320,000, National Science Foundation, “Research in Classical and Quantum Gravity.”

Jimerson, S. (Department of Counseling, Clinical, and School Psychology), Dowdy, E. (Department of Counseling, Clinical, and School Psychology), Gevirtz Graduate School of Education, $72,409, Santa Barbara County Special Education Local Plan Area Office, “Understanding and Promoting Policy and Programming for Students with Emotional and Behavioral Disturbances.”

Jones, M., National Center for Ecological Analysis and Synthesis, $544,539, The HDF Group, “Beyond Data Discovery: Shared Services for Community Metadata Improvement.”

Koegel, R. (Department of Counseling, Clinical, and School Psychology), Koegel, L. (Department of Counseling, Clinical, and School Psychology), Gevirtz Graduate School of Education, $300,000, California Department of Rehabilitation, “Workability IV: State Vocational Rehabilitation Services Program 2.”

Leal, L.G., Fredrickson, G.H., Chemical Engineering, $420,014, National Science Foundation, “The Effect of Flow-Induced Concentration Inhomogeneities on the Flow of Polymer Solutions.”

Long, D., Mathematics, $271,680, National Science Foundation, “FRG: Collaborative Research: Super Approximation and Thin Groups with Applications to Geometry, Groups, and Number Theory.”


Mayer, R., Psychological & Brain Sciences, $1,499,976, Institute of Education Sciences (IES), “Focused Computer Games that Promote Specific Cognitive Skills.”

Mayer, R., Psychological & Brain Sciences, $145,903, National Science Foundation, “Collaborative Research: Multimedia learning principles for design-it-yourself online instruction of GIS concepts.”

Mazin, B., Physics, $913,486, NASA, “Large Imaging X-ray MKID Arrays for Astrophysics.”


Palmström, C., Electrical & Computer Engineering, $390,000, National Science Foundation, “Buried single crystal semi-metal/semiconductor nanocomposites for 3D electronic materials.”

Petzold, L.R. (Computer Science), Soh, H.T. (Mechanical Engineering), Institute for Collaborative Biotechnologies, $2,510,798, Naval Health Research Center, “Systems Biology of Coagulation and Trauma-Induced Coagulopathy.”

Ratner, K., Psychological & Brain Sciences, $120,703, National Science Foundation, “RAPID: The social psychology of judicial decisions affecting stigmatized groups.”

Read de Alaniz, J., Chemistry & Biochemistry, $60,000, Naval Postgraduate School, “Investigation of Stimuli-Responsive Materials Under High Strain-Rates.”

Rodwell, M.J., Electrical & Computer Engineering, $150,000, Teledyne, “Design of Passive Retroreflector Phase-Shifters for Beam-steering to 700GHz.”

Romero, L. (Marine Science Institute), Earth Research Institute, $26,856, University Corp For Atmospheric Research, “Numerical Modeling of Non-Equilibrium Wind-Waves in the Southern Ocean.”

Sandoval, C.P. (Natural Reserve System), Swarbrick, S. (Natural Reserve System), marine science institute, $505,000, California Wildlife Conservation Board, “Coal Oil Point Reserve Infrastructure and Facilities Project.”

Scott, S.L., Chemical Engineering, $345,361, National Science Foundation, “SusChEM: Directing the distribution of biomass-derived molecules in porous materials.”

Simon, S.E., Brzezinski, M.A. (Ecology, Evolution & Marine Biology), Marine Science Institute, $7,976, UC San Diego, “Integrating CIMEC Science into the Oceans-to-Classrooms Outreach Program at UCSB’s Marine Science Institute.”

Smith, W.C. (Molecular, Cellular & Developmental Biology), Neuroscience Research Institute, $120,000, California Blueprint for Research to Advance Innovations in Neuroscience (Cal-BRAIN), “Whole brain imaging in a primitive chordate.”


Squires, T., Chemical Engineering, $289,595, National Science Foundation, “Exploiting novel surface rheology to probe and tailor 2D suspension dynamics.”

Strukov, D., Electrical & Computer Engineering, $150,000, Physical Optics Corporation, “Memristor-based Brain-like Morphware Processing Technology (BRAINWARE).”


Waite, J.H. (Molecular, Cellular & Developmental Biology), Ahn, B.K., Marine Science Institute, $31,236, Korean Institute of Industrial Technology, “Catechol Comprising copolymer synthesis and properties evaluation.”

Waite, J.H. (Molecular, Cellular & Developmental Biology), Marine Science Institute, $76,731, National Science Foundation, “EAGER: Collaborative Research: Mimicking mussel adhesion with periodically sequenced polypeptides.”

Wei, G., Mathematics, $35,000, Simons Foundation, “Spaces with Curvature Bounds.”

Weldeab, S. (Earth Science), Marine Science Institute, $55,237, National Science Foundation, “Investigating seasonal and interannual variability of Central Asia paleo-hydroclimate.”

Williams, R.J. (History Of Art & Architecture), Interdisciplinary Humanities Center, $5,000, Samuel H. Kress Foundation, “Raphael’s Use of the Blind Stylus.”

Wilson, S.D., Materials, $1,000,000, William M. Keck Foundation, “Crystal Growth for Next Generation Materials.”

Zok, F.W., Materials, $150,000, United Technologies Corp, “Oxidation Modeling of Sic/Sic Composites.”
Helpful Hints

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

### Department of Commerce (DOC)

8/31/2015 Application

**FY 2016 Implementation of the U.S. Integrated Ocean Observing System**

Department of Commerce


Contact: Dave Easter, 301/427-2451

Solicitation number: NOAA-NOS-IOOS-2016-2004378

NOAA is requesting proposals for coordinated regional efforts that further the IOOS in two topic areas, 1) sustaining and enhancing comprehensive regional observing systems and 2) verification and validation of observing technologies for studying and monitoring coastal and ocean environments. The maximum award is $4M per year for up to five years.

### Department of Defense (DOD)

Ongoing

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

Air Force Research Laboratory

http://www.grants.gov/web/grants/view-opportunity.html?oppId=276388

Contact: Varies with research interest

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

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

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

U.S. Army Research Office

http://www07.grants.gov/search/search.do?&mode=VIEW&oppId=219293

Contact: Varies with research interest

Solicitation number: W911NF-13-R-0001

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

Department of Defense (DoD)


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

Solicitation number: W81XWH-15-BMFRP-IDA

The vision of the Bone Marrow Failure Research Program is to understand and cure bone marrow failure diseases. Toward that end, the program challenges the scientific community to design innovative research approaches based on sound scientific evidence that will advance the understanding of inherited and acquired bone marrow failure diseases to improve the health of individuals, with the ultimate goals of prevention and cure. The maximum award is $360K over a period of two years.

8/28/2015 Proposal Abstract (strongly encouraged)

11/6/2015 Full Proposal

Biological Technologies

Defense Advanced Research Projects Agency (DARPA)


Contact: DARPA-BAA-15-05@darpa.mil

Solicitation number: DARPA-BAA-15-05

DARPA is soliciting innovative research proposals of interest to the Biological Technologies Office (BTO). BTO seeks to leverage advances in engineering and computer science to drive and reshape biotechnology for national security. BTO is interested in a range of emerging technical area, including but not limited to human-machine interfaces, human performance, infectious disease, and synthetic biology. The overarching goal is to develop, demonstrate, and transition biologically-based technologies as part of the national security toolkit. Bto seeks unconventional approaches that are outside the mainstream, challenge assumptions, and have the potential to radically change established practice.
Multidisciplinary Research Program of the University Research Initiative (MURI) FY16

Department of Defense (DoD)

http://www.grants.gov/web/grants/view-opportunity.html?oppId=277226

Contact: Varies by agency

Solicitation number: ONR-15-FOA-0011

The MURI program supports basic research in science and engineering at U.S. institutions of higher education that is of potential interest to DoD. The program is focused on multidisciplinary research efforts where more than one traditional discipline interacts to provide rapid advances in scientific areas of interest. MURI awards are $1M to $2.5M per year with a maximum potential project period of five years. For topic 3, proposals are invited that include participation from UK academic institutions (see Section III.2).

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

1. Sequence-Defined Synthetic Polymers Enabled by Engineered Translation Machinery
2. Discovering Hidden Phases with Electromagnetic Excitation
3. Modeling and Analysis of Multisensory Neural Information Processing for Direct Brain-Computer Communications
4. Modular Quantum Systems
5. Spin Textures and Dynamics Induced by Spin-Orbit Coupling
6. Defining Expertise by Discovering the Underlying Neural Mechanisms of Skill Learning
7. Media Analytics for Developing & Testing Theories of Social Structure & Interaction
8. Fundamental Properties of Energy Flow and Partitioning at Sub-nanoscale Interfaces

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

9. Active Ionosphere-Thermosphere Coupling: Mechanisms and Effects
10. Attojoule Nano-optoelectronics
11. 4-D Electromagnetic Origami
12. Radiation-Balanced Lasers – New Vistas in Optical Gain and Refrigeration Materials
13. Quantum Many-Body Physics with Photons

White papers and full proposals addressing the following topics 14 through 21 should be submitted to the Office of Naval Research (ONR):

14. The Role of Epigenetics in Human Performance
15. Realistic Dynamic Formalism for Advanced Cyber Interaction
16. Synthetic Electronics
17. Ultrahigh Thermal Conductivity Materials
18. Characterization of Gas Transport through Biological Membranes
19. Neural Basis of Symbolic Processing
20. Prediction of Multi-Physics Sprays and their Control
21. Dynamic Events in Solid Composite Materials at Ultra High Temperature and Pressure

Department of Education
Pathways to the Education Sciences Research Training Program - Limited Submission

Department of Education


Contact: Katina Stapleton, 202/219-2154, Katina.Stapleton@ed.gov

Solicitation number:

The Pathways to the Education Sciences Research Training Program (Pathways Training Program) funds training programs at minority-serving institutions (MSIs) and institutions of higher education that partner with MSIs. These programs are open to all students and are designed to provide upper-level undergraduate students, recent graduates, and/or master's students, especially from underrepresented groups, with education research experience and professional development in order to prepare these students to pursue doctoral study in the education sciences or in fields relevant to education research. Each proposed training program should be interdisciplinary—involving fields such as education, statistics, economics, sociology, psychology, and public policy—and provide opportunities for students to learn how researchers are addressing significant issues and challenges facing education policymakers and practitioners. Pathways training programs can be of varying formats, lengths, and foci; however, at a minimum, they must each have an education research theme and research apprenticeship opportunities for fellows. While not required, the Institute strongly encourages programs to provide a course or seminar that addresses the program’s theme, mentoring, and additional activities designed to assist fellows in applying for admission to doctoral programs. The maximum award is $1.2M, for a period of 5 years.

Department of Energy (DOE)

9/28/2015  Concept Paper

Innovative Development in Energy-Related Applied Science (IDEAS)

Department of Energy

https://arpa-e-foa.energy.gov/ - Foalda8bdd9ec-2cb7-4349-8184-4dde00c77663

Contact: ExchangeHelp@hq.doe.gov

Solicitation number: DE-FOA-0001002

The broad objective of this FOA is to identify disruptive concepts in energy-related technologies that challenge the status quo and represent a leap beyond today’s technology. An innovative concept alone is not enough; the idea must also have the potential to be impactful—meaning that, if successful, it represents a fundamentally new paradigm in energy technology with the potential to make a significant impact on the program’s mission. Concepts of particular interest have the potential to achieve percentage-level reductions in U.S. energy consumption, energy-related imports, or greenhouse gas emissions. The maximum award amount is $500K for a duration of less than 12 months.

National Aeronautics and Space Administration (NASA)

7/24/2015  Proposals

ROSES 2015: Advancing Collaborative Connections for Earth System Science

National Aeronautics and Space Administration

http://nspires.nasaprs.com/external/viewrepositordocument/cmdocumentid=448067/solicitationId=%7B4477FA89-FA98-1CBC-

Contact: Kevin Murphy, 202/358-3042, kevin.j.murphy@nasa.gov

Solicitation number: NNH15ZDA001N-ACCESS

The primary objective of the Advancing Collaborative Connections for Earth System Science (ACCESS) program is to enhance, extend, and improve existing components of NASA’s distributed and heterogeneous data and information systems infrastructure. ACCESS projects increase the interconnectedness and reuse of key information technology software and techniques underpinning the advancement of Earth science research. The ACCESS program supports the deployment of data and information capabilities that enable the freer movement of data and information within our distributed environment of providers and users. This often requires the use of tools to measurably improve Earth science data access and data usability. Awarded projects are expected to augment NASA’s heterogeneous data system components by leveraging mature information technologies in innovative ways along with existing infrastructure to rapidly deploy capabilities that address specific gaps or weaknesses. The maximum duration of awards is two years.
ROSES 2015: Heliophysics Technology and Instrument Development for Science

National Aeronautics and Space Administration

http://nspires.nasa.gov/external/viewrepositorydocument?cmdocumentid=448075/solicitationId=%7BD4510CC5-3CC4-9560-3C98-A140C0E61F46%

Contact: Elsayed Talaat, 202/358-3804, elsayed.r.talaat@nasa.gov

Solicitation number: NNH15ZDA001N-HTIDS

The Heliophysics Technology and Instrument Development for Science (H-TiDeS) program seeks to investigate key Heliophysics science questions through three separate subelements: 1) Low-Cost Access to Space - science and/or technology investigations that can be carried out with instruments flown on suborbital sounding rockets, stratospheric balloons, CubeSats, suborbital reusable launch vehicles, or other platforms, collectively referred to as Low-Cost Access to Space; 2) Instrument and Technology Development - state-of-the-art instrument technology development for instruments that may be proposed as candidate experiments for future space flight opportunities, called Instrument and Technology Development which may be carried out in the laboratory and/or observatory; 3) Laboratory Nuclear, Atomic, and Plasma Physics - laboratory research designated as enabling Laboratory Nuclear, Atomic, and Plasma Physics studies. The maximum duration is four years for Low-Cost Access to Space proposals and 3 years for Instrument and Technology Development and Laboratory Nuclear, Atomic, and Plasma Physics.

ROSES 2015: New (Early Career) Investigator Program in Earth Science

National Aeronautics and Space Administration

http://nspires.nasa.gov/external/viewrepositorydocument?cmdocumentid=448066/solicitationId=%7BB8991E29-00AA-48D8-B42D-D22F873288D2%

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

Solicitation number: NNH15ZDA001N-NIP

The New (Early Career) Investigator Program (NIP) in Earth Science is designed to support outstanding scientific research and career development of scientists and engineers at the early stage of their professional careers. The program aims to encourage innovative research initiatives and cultivate scientific leadership in Earth system science. The Earth Science Division (ESD) places particular emphasis on the investigators' ability to promote and increase the use of space-based remote sensing through the proposed research. The anticipate maximum award is $90K for up to three years.

ROSES 2015: Planetary Protection Research

National Aeronautics and Space Administration

http://nspires.nasa.gov/external/viewrepositorydocument?cmdocumentid=448095/solicitationId=%7B81EF35C3-9B8D-EC6A-960E-6F22AAD05E4A%

Contact: Catharine Conley, 202/358-3912, HQ-PPR@mail.nasa.gov

Solicitation number: NNH15ZDA001N-PPR

Planetary protection involves preventing biological contamination on both outbound and sample return missions to other planetary bodies. Numerous areas of research in astrobiology/exobiology are improving our understanding of the potential for survival of Earth microbes in extraterrestrial environments, relevant to preventing contamination of other bodies by organisms carried on spacecraft. Research is required to improve NASA's understanding of the potential for both forward and backward contamination, how to minimize it, and to set standards in these areas for spacecraft preparation and operating procedures. Improvements in technologies and methods for evaluating the potential for life in returned samples are also of interest. The maximum duration of awards is four years.

ROSES 2015: Solar System Workings

National Aeronautics and Space Administration

http://nspires.nasa.gov/external/viewrepositorydocument?cmdocumentid=448083/solicitationId=%7B97F503C2-03B6-D003-71E7-5240D258F81F%

Contact: Mary Voytek, 202/358-1577, mvoytek@hq.nasa.gov

Solicitation number: NNH15ZDA001N-SSW

The Solar System Workings program solicits proposals for innovative scientific research related to understanding the atmospheric, climatological, dynamical, geologic, physical, and chemical processes occurring within the Solar System. This program is open to investigations relevant to surfaces and interiors of planetary bodies, planetary atmospheres, rings, orbital dynamics, and exospheres and magnetospheres. The Solar System Workings program values the potential of interdisciplinary efforts to solve key scientific questions. The program also values research in comparative planetology. Research supported by this call may include data synthesis, laboratory studies that examine physical or chemical properties and processes, studies of sample or analog materials of other Solar System bodies, field studies of terrestrial analogs of planetary environments, or theoretical and numerical modeling of physical or chemical processes. The maximum duration of awards is four years.
**National Endowment for the Arts (NEA)**

7/23/2015  Second Art Works Deadline

**Art Works FY2016 - Limited Submission**

National Endowment for the Arts

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

Contact:

Solicitation number:

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

---

**National Endowment for the Humanities (NEH)**

8/19/2015  IHC Campus Deadline

10/1/2015  Agency Application

**NEH Summer Stipends 2016 - Limited Submission**

National Endowment for the Humanities

http://www.neh.gov/grants/research/summer-stipends

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

Solicitation number:

Summer Stipends 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. Summer Stipends support continuous full-time work on a humanities project for a period of two consecutive months. This program supports individuals working full-time on a humanities project at any stage of development by providing $6,000 for two consecutive months of full-time research and writing.

---

**National Institutes of Health (NIH)**

Ongoing

**Research Supplements to Promote Diversity in Health-Related Research**

National Institutes of Health, Cross-Institute

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

Contact:  Varies with research interest

Solicitation number:  PA-12-149

NIH and the Centers for Disease Control and Prevention (CDC) hereby notify Program Director(s)/Principal Investigator(s) (PD(s)/PI(s)) holding specific types of NIH research grants, listed in the full FOA that funds are available for administrative supplements to improve the diversity of the research workforce by supporting and recruiting students, postdoctorates, and eligible investigators from groups that have been shown to be underrepresented in health-related research. This supplement opportunity is also available to PD(s)/PI(s) of research grants who become disabled and need additional support to accommodate their disability in order to continue to work on the research project. Administrative supplements must support work within the scope of the original project. Applications can be received at any time until the final deadline. The deadline varies with research interest. Direct costs for individual administrative supplements vary from less than $5K to more than $100K depending on the career level of the candidate.
Research Supplements to Promote Re-Entry into Biomedical and Behavioral Research Careers (Admin Supp)

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PA-12-150

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

Mechanisms of Immune Protection from TB among HIV-infected Individuals (R01)

National Institutes of Health


Contact: Sudha Srinivasan, 240/627-3062, sriniva@mail.nih.gov

Solicitation number: RFA-AI-14-072

The purpose of this FOA is to support studies characterizing the genetic, epigenetic, and/or immunological correlates of protection against tuberculosis infection in highly-exposed but resistant individuals, and the interaction of these correlates with HIV infection. Studies may include identification of underlying genetic or epigenetic factors, as well as characteristics of the innate immune system and related regulatory genes and signaling pathways that play a role in protection from latent tuberculosis infection (LTBI). Multidisciplinary collaboration is encouraged, incorporating clinical studies coupled with functional experiments using samples and data from well-defined cohorts. The maximum duration of each project is five years.

Predoctoral Training in Biomedical Big Data Science (T32)

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: RFA-HG-14-004

The purpose of this FOA is to solicit applications for graduate training programs in Big Data Science, for the expressed purpose of training the next generation of scientists who will develop computational and quantitative approaches and tools needed by the biomedical research community to work with biomedical Big Data in the biomedical sciences (see definition under Funding Opportunity Description). This proposed training initiative should prepare qualified individuals for careers in developing new technologies and methods that will allow biomedical researchers to maximize the value of the growing volume and complexity of biomedical data. Awards will be made for five years. This FOA runs in parallel with FOAs of identical scientific scope, RFA-HG-14-005 and RFA-HG-14-006, that utilize the T32 Institutional National Research Service Award (NRSA) and T15 Continuing Education Training Grants mechanisms, respectively.
Revisions to Add Biomedical Big Data Training to Active Institutional Training Grants (T32)

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: RFA-HG-14-005

The purpose of this FOA is to solicit revisions (competitive supplements) to add a Big Data Science track to currently funded T32 institutional training grants for the expressed purpose of training the next generation of scientists who will develop computational and quantitative approaches and tools needed by the biomedical research community to work with biomedical Big Data in the biomedical sciences (see definition under Funding Opportunity Description). This proposed training initiative should prepare qualified individuals for careers in developing new technologies and methods that will allow biomedical researchers to maximize the value of the growing volume and complexity of biomedical data. The training grant to which the revision will be made should have a minimum of three years remaining at the time of application. Awards will be made as revisions to the parent T32 and cannot exceed the project period of the parent award. This FOA runs in parallel with FOAs of identical scientific scope, RFA-HG-14-004 and RFA-HG-14-006, that utilize the T32 Institutional National Research Service Award (NRSA) and T15 Institutional Training Grants mechanisms, respectively.

Biological and Physiological Effects of E-cigarette Aerosol Mixtures

National Institutes of Health


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

Solicitation number: RFA-DE-16-004

The purpose of this FOA is to support research aimed at understanding the biological and physiological effects of aerosol mixtures produced by electronic cigarettes (ECs) on cells, tissues and organs of the oral cavity including oral and periodontal epithelia, gingiva, salivary glands, and tooth. This FOA will also support research on elucidation of the effects of ECs on oral microbiome. Research supported by this FOA would provide essential and necessary information on the biological effects of ECs that would in turn lead to evidence based foundational information for health policy decisions. The maximum award is $250K per year for up to four years. This FOA runs in parallel with a FOA of identical scope, RFA-DE-16-005, that utilized the R21 Exploratory/Developmental Grant mechanism.

Biological and Physiological Effects of E-cigarette Aerosol Mixtures (RO1)

National Institutes of Health


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

Solicitation number: RFA-DE-16-004

The purpose of this FOA is to support research aimed at understanding the biological and physiological effects of aerosol mixtures produced by electronic cigarettes (ECs) on cells, tissues and organs of the oral cavity including oral and periodontal epithelia, gingiva, salivary glands, and tooth. This FOA will also support research on elucidation of the effects of ECs on oral microbiome. Research supported by this FOA would provide essential and necessary information on the biological effects of ECs that would turn lead to evidence based foundational information for health policy decisions.
Innovation for HIV Vaccine Discovery (R01)
National Institutes of Health, National Institute of Allergy and Infectious Diseases (NIAID)
Contact: Jon Warren, 240/627-3032, jwarrren@niaid.nih.gov
Solicitation number: RFA-AI-15-019
The purpose of this FOA is to encourage applications proposing innovative, high risk, high impact research to identify novel HIV vaccine concepts and targets. A further focus is to answer important scientific questions that will aid in the design and development of an effective immunogen that may provide long-term safe protection from either acquisition of or ongoing infection by HIV. Thus, this FOA aims to support early discovery research by supporting the testing of novel hypotheses and approaches, and to reward initial success with continued funding that is dependent upon achieving applicant-proposed and pre-award negotiated “Go/No-Go criteria” by the year-2 progress report. The maximum award is $350K per year for up to four years. Applicants may request up to an additional $150,000 in direct costs per year in any year when research in nonhuman primate or humanized mice models is proposed and justified.

The Role of Exosomes in HIV Neuropathogenesis (R01)
National Institutes of Health
Contact: Jeymohan Joseph, 240/627-3869, jjeymoha@mail.nih.gov
Solicitation number: RFA- MH-16-100
This FOA invites research grant applications focused on defining the central role of exosomes in the neuropathogenesis of Human Immunodeficiency Virus (HIV)-1 Associated Neurocognitive Disorders (HAND) and determining the potential use of exosomes as biomarkers for HAND or as delivery vehicles for CNS targeted therapeutics. Basic and translational research in domestic and international settings is of interest. Multidisciplinary research teams and collaborative alliances are encouraged but not required. The maximum project period is five years. This FOA runs in parallel with a FOA of identical scope, RFA-MH-16-110, that utilizes the R21 Exploratory/Developmental Grant mechanism.

Minor Use Minor Species Development of Drugs; Research Project Grant (R01)
National Institutes of Health
Contact: Stuart Jeffrey, 240/402-0568, stuart.jeffrey@fda.hhs.gov
Solicitation number: RFA-FD-15-004
This FOA is issued by the Food and Drug Administration (FDA), Center for Veterinary Medicine (CVM), and solicits Research Project (R01) grant applications from institutions or organizations that propose to develop, or support the development of new animal drugs intended for minor use in major species or intended for use in minor species. The maximum award is $150K per year for up to three years.
Methodologies to Enhance Understanding of HIV-Associated Social Determinants

National Institutes of Health


Contact: Cynthia Grossman, 240/627-3868, grossmanc@mail.nih.gov

Solicitation number: RFA-MH-16-200

This FOA invites applications that propose to understand social determinants of health as they relate to HIV infection and disease outcomes. The maximum project period is five years. This FOA runs in parallel with a FOA of identical scope, RFA-MH-16-205, that utilizes the R21 Exploratory/Developmental Grant mechanism.

Methodologies to Enhance Understanding of HIV Associated Social Determinants (R01)

National Institutes of Health


Contact: Cynthia Grossman, 240/627-3868, grossmanc@mail.nih.gov

Solicitation number: RFA-MH-16-200

This FOA invites applications that propose to understand social determinants of health as they relate to HIV infection and disease outcomes. Application budgets are not limited but need to reflect the actual needs of the proposed project. The maximum project period is five years.

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

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


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

Solicitation number: PAR-13-187

This FOA aims to support research that will test feasible strategies for substantially reducing duration of untreated psychosis (DUP) among persons with a first episode of psychosis (FEP) in community settings by removing significant "bottlenecks" in the pathway to specialty FEP care. Applications submitted to this FOA should propose projects that test approaches for producing one or more of the following: 1) Better signal detection of psychosis onset, or symptoms suggesting high clinical risk of psychosis, within primary care settings, schools, child/youth mental health services, college counseling centers, emergency departments, criminal justice agencies, and/or other community settings; 2) Methods to achieve expeditious referral of persons with FEP, or those at high clinical risk of psychosis, to an appropriate specialty care treatment program; and 3) Strategies for achieving rapid engagement and initiation of stage-specific FEP treatment. Application budgets are not limited but should reflect the actual needs of the proposed project. The maximum project period is five years. This FOA runs in parallel with another FOA of identical scientific scope, PAR-13-188, that utilizes the R34 Clinical Trial Planning Grant Program mechanism.

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

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


Contact: Varies with research interest

Solicitation number: PAR-13-213

This FOA encourages applications from institutions/organizations that propose to develop informative outcome measures for use in clinical trials for individuals with intellectual and developmental disabilities (IDD) and will focus ongoing clinical and translational research on a neglected area essential for therapy and pharmacological treatment development. Budgets for direct costs of up to $500K per year may be requested for a maximum of $2.5M direct costs over a five-year project period.
Biomarkers for Diabetes, Digestive, Kidney and Urologic Diseases Using Biosamples from the NIDDK Repository (R23)  
National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)  
Contact: Varies with research interest  
Solicitation number: PAR-13-228  
This FOA will provide support for assays (and associated data analysis) of repository-held samples for studies focused on an NIDDK-relevant disease. The review of applications to this FOA will consider both access to repository-held samples and funding for assays using the samples. These studies are expected to generate scientific discoveries on disease mechanisms, disease pathogenic processes, disease progression, or clinical responses. Projects that make good use of the associated data from the clinical trials and studies, the original intent of the clinical study and/or trial are highly encouraged. Exploratory studies and discovery research are encouraged especially when samples are not severely limited, the work is justified, and the goal is consistent with the original intent of the clinical research. Application budgets are limited to $250K in direct costs per year, for up to three years.

Phenotyping Embryonic Lethal Knockout Mice (R01)  
National Institutes of Health, Cross-Institute  
Contact: Varies with research interest  
Solicitation number: PAR-13-231  
The purpose of this FOA is to encourage applications to phenotype embryonic lethal knockout (KO) mouse strains being generated through the International Mouse Phenotyping Consortium (IMPC) of which the NIH Knockout Mouse Program (KOMP2) is a member. It is estimated that KO mouse phenotyping efforts will generate 20,000 mouse strains over the next decade of which about 30% will be embryonic or perinatal lethal. A large portion of homozygous lethal mutations are expected to have viable heterozygous phenotypes. The scientific community has the unique opportunity to leverage these mouse strains while they are being created and bred as part of the IMPC adult mouse phenotyping effort. Budgets for direct costs of up to $500K per year may be requested for up to five years.

HIV & AIDS, Drug Use, and Vulnerable Populations in the US (R01)  
National Institutes of Health, National Institute on Drug Abuse (NIDA)  
Contact: Varies with research interest  
Solicitation number: PA-12-281  
Despite progress in HIV/AIDS treatment and prevention and reductions in HIV/morbidity and mortality, HIV/AIDS health disparities remain a challenge that must be addressed. This FOA encourages research to identify the role(s) that drug abuse plays in fueling the epidemic in vulnerable groups (racial/ethnic minorities, men who have sex with men (MSM), youth) in the United States and to develop effective interventions to prevent new infections and to improve the health and well-being of those living with HIV/AIDS. This FOA will support studies in vulnerable populations to: 1) understand the contribution of drug abuse (both injection and non-injection) to the acquisition and/or transmission of HIV; 2) study disease progression and disease outcomes; 3) develop and/or improve prevention and treatment interventions, particularly comprehensive, integrated interventions; 4) improve the availability, delivery and quality of evidence-based prevention and treatment services across a variety of settings; and 5) address organizational, structural, and/or community level factors including social, drug-using, and sexual networks associated with health disparities. Application budgets are not limited, but need to reflect actual needs of the proposed project. The maximum project period is five years. This FOA runs in parallel with a FOA of identical scientific scope, PA-12-280, which utilizes the R21 Exploratory/Developmental Grant mechanism.
Drug Abuse Aspects of HIV & AIDS (R01)

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

http://grants.nih.gov/grants/guide/pa-files/PA-12-293.html

Contact: Varies with research interest

Solicitation number: PA-12-293

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

9/16/2015 Letter of Intent (optional)

10/16/2015 Application

Differentiation and Integration of Stem Cells Into Developing or Damaged Tissues (R21)

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


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

Solicitation number: PAR-13-095

This FOA promotes in vivo studies of stem cells in animal models and in humans (if applicable) to better understand how stem cells function within developing or damaged tissues. The areas of emphasis would include systematically profiling and cataloging changes at genetic and epigenetic levels that take place in stem cells and their microenvironment. The purpose is to gain in-depth knowledge of the mechanisms involved in: progressive differentiation of Embryonic Stem Cells (ESCs) into embryonic lineages, progenitor cells and specialized cell types; adult stem cells/progenitor cells during tissue regeneration and wound healing; and Induced Pluripotent Stem Cells (iPSCs) at the site of injury during stem cell therapy. The research proposed under this announcement can explore approaches and concepts new to this area, development of new technologies, or initial research and development of data upon which significant future research may be built. Direct costs are limited to $275K over a two-year period, with no more than $200K in direct costs allowed in any single year. This FOA runs in parallel with another FOA of identical scientific scope, PAR-13-094, which utilizes the R01 Research Project Grant mechanism.
The purpose of the Institutional Research and Academic Career Development Award (IRACDA) Program is to develop a diverse group of highly trained biomedical and behavioral scientists to address the Nation’s biomedical workforce needs. The strategy is to promote effective partnerships between research-intensive institutions (RII) and institutions that have a historical mission or a demonstrated commitment to educating students from diverse backgrounds underrepresented in the biomedical and behavioral research enterprise of the nation. The IRACDA program provides support for a traditional mentored postdoctoral research experience at an RII combined with an opportunity for these fellows to develop critical academic skills, including teaching, through workshops and through mentored teaching assignments at a partner institution. The primary goals of the IRACDA program are to (1) develop a group of highly trained biomedical and behavioral scientists who have the necessary knowledge and skills to pursue independent research and teaching careers in academia; and (2) strengthen and modernize science educational offerings at partner institutions, and promote links between RII and the partner institution(s). The purpose of the Institutional Research and Academic Career Development Award (IRACDA) Program is to develop a diverse group of highly trained biomedical and behavioral scientists to address the Nation’s biomedical workforce needs. The strategy is to promote effective partnerships between research-intensive institutions (RII) and institutions that have a historical mission or a demonstrated commitment to educating students from diverse backgrounds underrepresented in the biomedical and behavioral research enterprise of the nation. The IRACDA program provides support for a traditional mentored postdoctoral research experience at an RII combined with an opportunity for these fellows to develop critical academic skills, including teaching, through workshops and through mentored teaching assignments at a partner institution. The primary goals of the IRACDA program are to (1) develop a group of highly trained biomedical and behavioral scientists who have the necessary knowledge and skills to pursue independent research and teaching careers in academia; and (2) strengthen and modernize science educational offerings at partner institutions, and promote links between RII and the partner institution(s). The purpose of the Institutional Research and Academic Career Development Award (IRACDA) Program is to develop a diverse group of highly trained biomedical and behavioral scientists to address the Nation’s biomedical workforce needs. The strategy is to promote effective partnerships between research-intensive institutions (RII) and institutions that have a historical mission or a demonstrated commitment to educating students from diverse backgrounds underrepresented in the biomedical and behavioral research enterprise of the nation. The IRACDA program provides support for a traditional mentored postdoctoral research experience at an RII combined with an opportunity for these fellows to develop critical academic skills, including teaching, through workshops and through mentored teaching assignments at a partner institution. The primary goals of the IRACDA program are to (1) develop a group of highly trained biomedical and behavioral scientists who have the necessary knowledge and skills to pursue independent research and teaching careers in academia; and (2) strengthen and modernize science educational offerings at partner institutions, and promote links between RII and the partner institution(s).
Initiative to Maximize Research Education in Genomics - Courses (R25)
National Institutes of Health, National Human Genome Research Institute (NHGRI)
Contact: Bettie Graham, 301/496-7531, bettie_graham@nih.gov
Solicitation number: PAR-13-012

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

9/25/2015 Application
1/25/2016 Application

NIDDK Research Education Program Grants for Summer Research Experiences (R25)
National Institutes of Health
Contact: Arthur Castle, 301/594-7719, castlea@mail.nih.gov
Solicitation number: PAR-15-140

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The overarching goal of this NIDDK Research Education R25 program is to support educational activities that complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs. To accomplish the stated overarching goal, this FOA will support creative educational activities that propose summer research experiences in the research areas relevant to the NIDDK. The maximum award per year is $100K for up to five years.

9/29/2015 Letter of Intent (optional)
10/29/2015 Application

Oral Immune System Plasticity in Chronic HIV Infection Under Treatment and Oral Co-Infections (R01)
National Institutes of Health
Contact: Isaac Rodriguez-Chavez, 301/594-7985, isaac@mail.nih.gov
Solicitation number: RFA-DE-16-002

This FOA solicits research projects that study the mechanisms of oral immune system plasticity relevant to chronic HIV infection and oral coinfections. In this context, we encourage studies on reversal of immune activation, residual inflammation, immune reconstitution inflammatory syndrome (IRIS), and microbial and by-product translocation. These conditions occur in persons chronically infected with HIV who are treated with combination antiretroviral therapy (cART) and who also experience oral opportunistic infections. The ultimate goals of this FOA are: 1) to gain knowledge regarding the pathogenesis and persistence of these oral conditions; and 2) to guide the development of novel oral immune modulatory therapies that will aid in re-building the oral immune system to reverse these diseases, mitigate their progression, prevent their occurrence, and eliminate persistence of residual HIV and other oral pathogens in reservoirs. The maximum project period is five years.
**Understanding and Promoting Health Literacy (R01)**
National Institutes of Health, Cross-Institute
Contact: Varies with research interest
Solicitation number: PAR-13-130

The goal of this program announcement is to encourage methodological, intervention and dissemination research for understanding and promoting health literacy. Health literacy is defined as the degree to which individuals have the capacity to obtain, process, and understand basic health information and services needed to make appropriate health decisions (Ratzan and Parker, 2000). Researchers are encouraged to address health literacy as it pertains to health care, prevention, healthy living, chronic disease management, community health, cultural competence, and health disparities. Research questions can focus on consumers, patients, providers, health care teams, educators, communities and organizations or systems. This FOA will utilize the R01 grant mechanism and runs in parallel with FOAs of identical scientific scope: PAR-13-131, which encourages applications under the R03 grant mechanism and PAR-13-132, which encourages applications under the R21 grant mechanism. The total project period may not exceed five years.

**Functional Genetics, Epigenetics, and Non-coding RNAs in Substance Abuse (R01)**
National Institutes of Health, National Institute on Drug Abuse (NIDA)
Contact: John Satterlee, 301/435-1020, satterleej@nida.nih.gov
Solicitation number: PA-14-014

Genetic and genomic studies have identified genes and gene variants that potentially modulate the fundamental biological mechanisms underpinning addictive processes. Discovery of these genes/variants, while extremely valuable, is only a first step in understanding molecular mechanisms of addiction. 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 addictive processes, and 2) detailed elucidation of the molecular pathways and processes modulated by candidate genes/variants, particularly for those genes with an unanticipated role in addiction. It is anticipated that the size and duration of awards will vary. This FOA runs in parallel with a FOA of identical scientific scope, PA-14-013, that utilizes the R21 Exploratory/Developmental Grant mechanism.

**Neuroimmune Mechanisms of Alcohol Related Disorders (R01)**
National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Contact: Changhai Cui, 301/443-1678, changhai.cui@nih.gov
Solicitation number: PA-14-139

This FOA encourages proposals to study the neuroimmune mechanisms of alcohol related disorders. Studies supported by this FOA will provide fundamental insights of neuroimmune mechanisms underlying brain functional and behavioral changes induced by alcohol. This FOA runs in parallel with PA-14-138, which solicits applications under the R21 Exploratory/Developmental Grant mechanism.
Reducing Health Disparities Among Minority and Underserved Children (R01)

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PA-14-033

This FOA solicits applications that propose to conduct research to reduce health disparities among minority and underserved children. Specifically, this initiative focuses on ethnic and racial minority children and underserved populations of children. Specific targeted areas of research include biobehavioral studies that incorporate multiple factors that influence child health disparities such as biological, lifestyle factors, environmental, social, economic, institutional, and cultural and family influences; studies that target the specific health promotion needs of children with a known illness and/or disability; and studies that test and evaluate the comparative effectiveness of health promotion interventions conducted in traditional and nontraditional settings. The maximum project period is five years. The companion FOA is PA-11-105, which solicits applications under the R21 mechanism.

Ancillary Studies to the NIDDK Intestinal Stem Cell Consortium (R01)

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


Contact: Jill Carrington, 301/402-0671, carringj@mail.nih.gov

Solicitation number: PAR-13-066

This FOA is to encourage applications to conduct ancillary studies to the NIDDK Intestinal Stem Cell Consortium (ISCC). Studies will make use of consortium collaborations, techniques, and resources to accelerate research into intestinal stem cells. The proposed ancillary study must be designed to advance the scientific research mission of the NIDDK by focusing on diseases and areas of interest to the Institute and commensurate with the interests and intent of the ISCC. The maximum period is five years.

Family and Interpersonal Relationships in an Aging Context (R01)

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


Contact: Melissa Gerald, 301/402-4156, melissa.gerald@nih.gov

Solicitation number: PA-15-042

This FOA invites researchers to submit R01 research grant applications on aging and the family. The objective of this research program is to expand understanding of the role of families and interpersonal relationships in the health and wellbeing of older people. This will be accomplished through increasing scientific knowledge on the effects of family and interpersonal relationships on behavioral and social processes of relevance to aging; and on how these processes change over the life course and across cohorts. A broad range of methods and approaches are encouraged. The maximum project period is five years.

Neurobiology of Migraine (R01)

National Institutes of Health, Cross-Institute


Contact: Linda Porter, 301/451-4460, porter@ninds.nih.gov

Solicitation number: PA-14-068

This FOA is issued by the National Institute of Neurological Disorders and Stroke (NINDS) in conjunction with the NIH Pain Consortium. It solicits R01 grant applications from institutions/organizations to perform innovative research that will elucidate the mechanisms underlying migraine, expand our current knowledge of the role of genetic, physiological, biopsychosocial, and environmental influences in migraine susceptibility and progression, and explore new therapeutic targets and therapies for acute migraine management and longer term prevention. This FOA will utilize the NIH Research Project Grant (R01) award mechanism and runs in parallel with a FOA of identical scientific scope, PA-14-069, that encourages applications under the NIH Exploratory/Developmental (R21) mechanism. Applicants may request support for up to five years.
Program for Extramural & Intramural Alcohol Research Collaborations (U01)

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


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

Solicitation number: PAR-13-133

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

Gene-Environment Interplay in Substance Use Disorders (R01)

National Institutes of Health, Cross-Institute


Contact: Naimah Weinberg, 301/402-1908, nw46w@nih.gov

Solicitation number: PA-11-235

NIDA and NIAAA seek to stimulate and expand research on the interplay of genetic and environmental factors in the genesis, course, and outcomes of substance and alcohol use disorders (SUDs). New studies using genetically informative approaches are needed to elucidate the complex interplay of genetic and environmental factors in developmental trajectories of SUDs and comorbid conditions, deepen and refine phenotypic definitions of SUDs, and meet the methodologic challenges of the field. The maximum period is five years. This FOA runs in parallel with two FOAs of identical scientific scope: PA-11-236, which utilizes the R21 Exploratory/Developmental Grant mechanism, and PA-11-237, which utilizes the R03 Small Grant Program mechanism.

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, 301/496-7104, 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.

Environmental Exposures and Health - Exploration of Non-Traditional Settings (R01)

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

http://grants.nih.gov/grants/guide/pa-files/PA-12-133.html

Contact: Varies with research interest

Solicitation number: PA-12-133

The purpose of this FOA is to encourage interdisciplinary research aimed at promoting health, limiting symptoms and disease, and reducing health disparities in children and older adults living or spending time in non-traditional settings that result in exposure to environmental pollutants and toxins that result in health risks, symptoms, and other health conditions/diseases including lower respiratory diseases, chronic obstructive pulmonary disease, and cardiovascular diseases. Risk identification and symptom management include prevention and behavior changes and actions to maintain health and prevent disease with an emphasis on the individual, family, and community which will advance nursing science. Non-traditional settings, for children and older adults, include, but are not limited to places such as community centers, pre-school and non-traditional school environments, child and older adult foster care facilities, older adult day care facilities, half-way homes, assisted living and long-term care facilities. This FOA runs in parallel with a FOA of identical scientific scope, PA-12-134, that utilizes the R21 Exploratory/Developmental Grant mechanism.

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.
Effects of In Utero Alcohol Exposure on Adult Health and Disease (R01)
National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Contact: William Dunty, 301/443-7351, duntyw@mail.nih.gov
Solicitation number: PA-12-291
This FOA is intended to support novel research on how prenatal alcohol exposure may contribute to the etiology of chronic diseases and health conditions later in life. Central to this theme is the developmental origins of health and disease (DOHaD) concept which suggests that fetal adaptations in response to adverse intrauterine conditions may increase the risk for childhood and adulthood disease. The goal of this FOA is to stimulate a broad range of research to: 1) leverage existing prospective birth cohorts to define the role of maternal alcohol consumption in the DOHaD process; 2) investigate the biological, cellular, and molecular mechanisms by which prenatal alcohol exposure may impact disease outcomes later in life; and 3) identify biomarkers associated with gestational alcohol exposure that may predict adult disease susceptibility in exposed offspring. Studies supported by this FOA will provide fundamental insights into a possible fetal-basis to adult disease that is influenced by maternal alcohol use. Application budgets are not limited, but need to reflect actual needs of the proposed project. The maximum project period is five years. This FOA runs in parallel with another FOA of identical scientific scope, PA-12-292, which utilizes the R21 Exploratory/Developmental Grant mechanism.

Ancillary Studies of Acute Kidney Injury, Chronic Kidney Disease, and End Stage Renal Disease Accessing Information
National Institutes of Health, National Heart, Lung, and Blood Institute (NHLBI)
http://grants.nih.gov/grants/guide/pa-files/PA-12-299.html
Contact: Varies with research interest
Solicitation number: PA-12-299
This FOA encourages investigator-initiated research project applications for ancillary studies to ongoing or completed clinical trials, existing administrative and clinical databases and epidemiological studies of kidney disease as well as clinical trials and epidemiological studies for other diseases or populations that lend themselves to the study of acute kidney injury and chronic kidney disease. These studies may range from new analyses of existing datasets of completed studies to additional collection of data and biological specimens in ongoing investigations. The goal of these studies should be to extend our understanding of the risk factors for developing kidney disease and their associated co-morbid illnesses such as malnutrition and cardiovascular disease, factors associated with rapid decline in kidney function among persons with chronic kidney disease, and the impact of these diseases on quality of life and mental and physical functioning. Investigations of acute kidney injury, including biomarkers are also an appropriate topic for investigation. Studies ancillary to both government and non-government supported clinical trials and epidemiological studies are encouraged. Analysis of large public access databases and other databases is also encouraged. Application budgets are not limited, but need to reflect actual needs of the proposed project. The maximum project period is five years.

Stimulating Hematology Investigation - New Endeavors (SHINE) (R01)
National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
Contact: Terry Bishop, 301/594-7726, tb232j@nih.gov
Solicitation number: PAS-13-031
The overall objectives of the SHINE program are to catalyze discoveries in basic molecular and cellular biology that provide new insights into the pathogenesis, prevention, detection, and potential treatment of disease, to attract new investigators into basic and translational hematology research, to promote productive interdisciplinary research collaborations, and to reinforce interactions and communication between NIDDK and the hematology research community. Specific research objectives supported by the SHINE program in this initial announcement are: 1) Regulatory Determinants of Hematopoietic Stem Cell Fate; 2) Stress Erythropoiesis; 3) Biology and Pathophysiology of Myelodysplastic Syndromes (MDS); 4) Ribosomes and Their Role in Disease; 5) Heme Regulation during Erythropoiesis; 6) Anemia of Inflammation and of Chronic Disease; and 7) Iron Overload. NIH intends to fund an estimate of two to four awards, corresponding to a total of $1M for FY 2013. The maximum project period is five years.
Erythropoiesis - Components and Mechanisms (R01)
National Institutes of Health, National Heart, Lung, and Blood Institute (NHLBI)


Contact: Varies with research interest

Solicitation number: PA-13-034

This FOA encourages investigator-initiated R01 applications that propose hypothesis-driven research using erythroid cells. The aim of this program is to support research efforts towards a complete description of the molecular and cellular components of erythropoiesis and how these components contribute to erythropoiesis. Components include genes that are expressed (transcriptome) in erythroid cells, either during development or during differentiation, and the proteins (proteome) that are translated in erythroid cells, especially with post-translational modifications or subcellular localizations that are unique to erythroid cells. A long range goal of this program is to generate a concise description of erythropoiesis that unifies genetics, molecular processes and cytokine determinants in the erythroid lineages so that new therapeutics may be developed to measure and combat anemia. The maximum project period is five years.

Solid Organ Transplantation - Older Donors and Recipients (R01)
National Institutes of Health, National Institute on Aging (NIA)


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

Solicitation number: PA-13-030

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

Calcium Oxalate Stone Diseases (R01)
National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)


Contact: Rebekah Rasooly, 301/594-6007, rebekah.rasooly@nih.gov

Solicitation number: PA-13-043

It has been estimated that up to 10% of males and 5% of females in the United States will form a kidney stone (i.e., experience urolithiasis) at some time during their lives. In addition to the pain and suffering of an acute stone event, treatment and time lost from work involve substantial costs. Recent data suggest that kidney stone disease is becoming more common. The majority of kidney stones are formed from calcium oxalate. There are many open questions about the appropriate dietary, medical and surgical treatments of stones. While there are many approaches, there is clearly a need for novel therapeutics and stone prevention strategies for both the hereditary and idiopathic stone diseases. It is the intent of this FOA to increase novel and productive research focusing on Primary Hyperoxaluria, Dent Disease and the recurrent idiopathic oxalate stone diseases and to encourage both new and experienced investigators from related fields of research to apply their knowledge and skills to this area. The maximum project period is five years.
Drug Discovery for Nervous System Disorders
National Institutes of Health, Cross-Institute
Contact: Varies with research interest
Solicitation number: PAR-13-048

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

Pain in Aging (R01)
National Institutes of Health, Cross-Institute
Contact: Varies with research interest
Solicitation number: PA-13-058

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

Advances in Polycystic Kidney Disease (R01)
National Institutes of Health, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
Contact: Rebekah Rasooly, 301/594-6007, rebekah.rasooly@nih.gov
Solicitation number: PA-13-064

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

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PA-13-077

The purpose of this FOA is to encourage behavioral intervention development research to test efficacy, conduct clinical trials, examine mechanisms of behavior change, determine dose-response, optimize combinations, and/or ascertain best sequencing of behavioral, combined, sequential, or integrated behavioral and pharmacological: 1) drug abuse treatment interventions, including interventions for patients with comorbidities, in diverse settings; 2) drug abuse treatment and adherence interventions for use in primary care; 3) drug abuse treatment and adherence interventions that utilize technologies to boost effects and increase implementability; 4) interventions to prevent the acquisition or transmission of HIV infection among individuals in drug abuse treatment; 5) interventions to promote adherence to drug abuse treatment, HIV and addiction medications; and 6) interventions to treat chronic pain. The maximum project period is five years. This FOA runs in parallel with FOAs of identical scientific scope, PA-13-078, which utilizes the R34 Clinical Trial Planning Grant Program mechanism and PA-13-079, which utilizes the R03 Small Grant Program mechanism.

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

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PAR-13-080

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

School Nutrition and Physical Activity Policies, Obesogenic Behaviors and Weight Outcomes (R01)

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PA-13-100

This FOA encourages applications that propose to: 1) foster multidisciplinary research that will evaluate how policies can influence school physical activity and nutrition environments, youths' obesogenic behaviors (e.g., nutrition and physical activity behaviors), and weight outcomes; 2) understand how schools are implementing these policies and examine multi-level influences on adoption and implementation at various levels (e.g. federal, state, school district, and school); and 3) understand the synergistic or counteractive effect of school nutrition and physical activity polices on the home and community environment and body weight. The Social Ecological Framework is one of several frameworks that can be used to examine the interrelations among polices aimed at the school and home environment, individual diet and physical activity behaviors and weight outcomes. Application budgets are not limited but need to reflect the actual needs of the project. The maximum project period is five years. This FOA runs in parallel with other FOAs of identical scientific scope: 1) PA-13-099, which utilizes the R03 Small Grant Program mechanism; and 2) PA-13-098, which utilizes the R21 Exploratory/Developmental Grant mechanism.
Disorders of Human Communication - Effectiveness, Outcomes and Health Services Research (R01)

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


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

Solicitation number: PA-13-102

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

Obesity Policy Evaluation Research (R01)

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PA-13-110

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

Mechanistic Insights from Birth Cohorts (R01)

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PAR-13-109

Little is known about the mechanisms by which such prenatal exposures lead to diabetes or obesity, renal, pulmonary, or cardiovascular or hematologic disease, neurodevelopmental disorders, or reproductive health (i.e. fertility). Ultimately, a better mechanistic understanding of how prenatal exposures contribute to the etiology of chronic diseases and health conditions later in life will allow for the development of effective interventions during pregnancy or early life that may have a profound impact on disease prevention and the future health of the offspring. Proposed studies must take advantage of existing (or accruing) birth cohorts, with well-characterized pregnancies, such that targeted mechanistic questions regarding the developmental origins of diabetes or obesity, renal, pulmonary, or cardiovascular or hematologic disease, neurodevelopmental disorders, or reproductive health (i.e. fertility) can be addressed. Applications should focus on potential mechanisms that mediate the developmental origins of human disease. Applications submitted to this FOA should target diabetes or obesity, renal, pulmonary, or cardiovascular or hematologic disease, neurodevelopmental disorders, or reproductive health. Application budgets are limited to less than $500K in direct costs per year for a maximum of five years.
Improvement of Animal Models for Stem Cell-Based Regenerative Medicine (R01)
National Institutes of Health, Cross-Institute
Contact: Varies with research interest
Solicitation number: PAR-13-114
This FOA encourages applications from institutions and organizations proposing research aimed at characterizing animal stem cells and improving existing, and creating new, animal models for human disease conditions. The intent of this initiative is to facilitate the use of stem cell-based therapies for regenerative medicine, and focuses on the following areas: 1) comparative analysis of animal and human stem cells to provide information for selection of the most predictive and informative model systems; 2) development of new technologies for stem cell characterization and transplantation; and 3) improvement of animal disease models for stem cell-based therapeutic applications. Application budgets are not limited, but need to reflect actual needs of the proposed project. The maximum award period is 4 years for ORIP/DPCPSI and 5 years for NHLBI, NIDCR, NIDDK and NIGMS.

Mechanisms, Models, Measurement, & Management in Pain Research (R01)
National Institutes of Health, Cross-Institute
Contact: Varies with research interest
Solicitation number: PA-13-118
The purpose of this FOA is to inform the scientific community of the pain research interests of the various Institutes and Centers (ICs) at NIH and to stimulate and foster a wide range of basic, clinical, and translational studies on pain as they relate to the missions of these ICs. New advances are needed in every area of pain research, from the micro perspective of molecular sciences to the macro perspective of behavioral and social sciences. Although great strides have been made in some areas, such as the identification of neural pathways of pain, the experience of pain and the challenge of treatment have remained uniquely individual and unsolved. Furthermore, our understanding of how and why individuals transition to a chronic pain state after an acute injury is limited. Research to address these issues conducted by interdisciplinary and multidisciplinary research teams is strongly encouraged, as is research from underrepresented, minority, disabled, or women investigators. The maximum project period is five years. This FOA runs in parallel with other FOAs of identical scientific scope: 1) PA-13-117, which utilizes the R03 Small Grant Program mechanism; and 2) PA-13-119, which utilizes the R21 Exploratory/Developmental Grant mechanism.

Research on Alcohol and HIV & AIDS (R01)
National Institutes of Health, National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Contact: Kendall Bryant, 301/403-9289, kbraint@mail.nih.gov
Solicitation number: PA-13-121
This FOA is intended to appeal to a broad audience of alcohol and HIV/AIDS researchers, including alcohol researchers with no prior experience in HIV/AIDS research but with a keen appreciation for the relationship between problem drinking and HIV/AIDS and a strong interest in acquiring such experience; HIV/AIDS researchers with no prior alcohol research experience who realize the importance of more intensive alcohol interventions to improving clinical outcomes among HIV-infected individuals; and those with prior research experience in the area of co-occurring HIV/AIDS and alcohol and other substance abuse. The primary objectives for this announcement are to increase research: 1) to characterize the relative importance of reducing alcohol misuse in the prevention of acquisition and transmission of HIV in order to identify and apply appropriate alcohol and HIV interventions as public health measures; 2) to more fully understand and prevent the progression of HIV disease in the presence of continued alcohol exposure; and 3) to develop operational research frameworks for addressing the occurrence and persistence of infections in high-risk populations (e.g. minority women, young gay men, etc.), and translate findings into effective, culturally appropriate preventive and treatment interventions for these targeted populations. Application budgets are not limited but need to reflect actual needs of the proposed project. The maximum project period is five years. This FOA runs in parallel with other FOAs of identical scientific scope: 1) PA-13-122, which utilizes the R21 Exploratory/Developmental Grant mechanism; and 2) PA-13-120, which utilizes the R03 Small Research Project Grant mechanism.
**Bioengineering Research Grants (BRG) (R01)**

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PAR-13-137

The purpose of this 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 4 or 5 years depending on the NIH Institutes and Centers. This FOA runs in parallel with other FOAs of identical scientific scope: PA-12-284, which utilizes the R21 Exploratory/Developmental Bioengineering Research Grants mechanism, and PAR-10-234, which utilizes the R01 Bioengineering Research Partnerships mechanism.

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

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


Contact: Varies with research interest

Solicitation number: PA-13-165

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

**Addressing Health Disparities in NIDDK Diseases (R01)**

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


Contact: Varies with research interest

Solicitation number: PA-13-183

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

Home and Family Based Approaches for the Prevention or Management of Overweight or Obesity in Early Childhood
National Institutes of Health, Cross-Institute
Contact: Varies with research interest
Solicitation number: PA-13-153
This FOA invites Research Project Grant (R01) applications from institutions/organizations that propose randomized clinical trials testing novel home- or family-based interventions for the prevention or management of overweight in infancy and early childhood. Tested interventions can use behavioral (including dietary and physical activity), environmental, or other relevant approaches. Applications should focus on infants and young children and emphasize the role of home environment and the influence of family/extended family members and parents (including guardians/substantial care-providers) within the child's home environment. Research should consider the familial mechanisms of behavior such as the role of families in the initiation, support, and reinforcement of fundamental food and beverage consumption, physical activity practices, and sedentary behaviors. In addition it is of interest to elucidate various underlying behavioral determinants that are crucial to initiate or sustain changes in behaviors that impact energy balance. Research designs may include linkages with other settings (e.g., daycare, pre-school, or other community venues) or other care providers (e.g., health care providers or teachers) but must include infants or children less than age six years as the primary study participant along with parents, and/or other family members residing with the child. The overarching goal is to identify interventions that influence parent and child behaviors that contribute to inappropriate weight gain, and thereby improve subsequent health status in childhood, adolescence, and adulthood for which overweight is a known risk factor. Because the nature and scope of the proposed research will vary from application to application, it is anticipated that the size and duration of each award will also vary. This FOA runs in parallel with a FOA of identical scientific scope, PA-13-154, that utilizes the R21 Exploratory/Developmental Grant mechanism.

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

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


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

Solicitation number: PA-13-209

This FOA seeks to develop innovative measurement for community engaged research efforts. The use of community engaged research (CEnR) methodologies, such as community-based participatory, community-based, and practice-based research are regarded as valid approaches to prevent disease and promote health. A collaborative effort between community partners and researchers to engage in research that benefits community is a central tenet to CEnR. Specific areas of research interest include: 1) Develop and test tools that measure trust between partners in engagement efforts; 2) Develop and test tools that measure capacity/readiness for research efforts; 3) Develop and test tools to measure successful partnership/collaboration in engagement efforts; 4) Develop reliable and valid tools that can be used in measuring community engaged research efforts that impact individual outcomes such as trust, capacity, empowerment, and collaboration; 5) Use established statistical procedures to test existing or newly developed instruments; 6) Develop and test instruments that measure the success or failure of partnership efforts; 7) Apply existing tools in measuring community engaged research efforts; 8) Develop and test scientific measures of sustainability for health improvement programs; and 9) Develop and test scientific outcome measures related to improving health disparities. The maximum project period is five years. This FOA runs in parallel with a FOA of identical scientific scope, PA-13-212, that utilizes the R21 Exploratory/Developmental Grant mechanism.

Research on Autism Spectrum Disorders (R01)

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PA-13-216

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

Development of Assays for High-Throughput Screening for Use in Probe and Pre-therapeutic Discovery

National Institutes of Health


Contact: Varies with research interest

Solicitation number: PAR-13-364

Through this FOA, NIH wishes to stimulate research in 1) developing assays for specific biological targets and disease mechanisms relevant to the mission of participating NIH Institutes with the intent to screen for small molecule compounds that show potential as probes for use in advancing knowledge about the known targets, identifying new targets, or as pre-therapeutic leads; and 2) establishing collaboration with screening centers that have the requisite expertise and experience needed in implementation of HTS assays for the discovery and development of small molecule chemical probes. This FOA seeks to establish a stream of scientifically and technologically outstanding assays for screening by the NIH Molecular Libraries Production Centers Network (MLPCN) in the Molecular Libraries Program (MLP) and other academic centers. One important criterion for this initiative is novelty, so applicants are therefore encouraged to avoid focusing on areas and approaches that have been extensively targeted in other settings. Assays should be relevant to the scope of research in at least one of the participating NIH Institutes. The maximum project period is three years; project budgets are not limited.
**Public Health Impact of the Changing Policy & Legal Environment for Marijuana (R01)**

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


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

Solicitation number: PAS-14-020

This initiative encourages research on the impact of changing marijuana policies and laws on public health outcomes, including marijuana exposure among children, adolescents, and adults; other licit and illicit drug use; education and professional achievement; social development; risky behaviors (e.g., drugged driving); mental health; HIV, etc. This initiative seeks to delineate a broad range of outcomes of marijuana both direct and indirect exposure among children, adolescents, and adults. Population-based studies could include but are not limited to research in the following areas: 1) social and emotional development and maturity; 2) educational and employment attainment; 3) teen and adult life transitions; 4) physical and mental health; 5) criminal justice involvement (arrests, underage violations, public intoxication, impaired driving); 6) composition/potency of marijuana; mechanisms of risk and causality; 7) impact on polysubstance use, including interactions (substitute/complement) with alcohol, tobacco, and prescription opioids; and 8) impact of taxation and regulatory strategies effect of cultural change on marijuana use and outcomes. Research directly related to marijuana law/policy is not required; rather the focus of this call for research is to build knowledge on the social, behavioral, physical, and public health impacts of marijuana involvement. Given the broad nature of needed research on outcomes of marijuana use, both domestic and foreign sites for research are encouraged and use of appropriate controls is recommended. NIH intends to fund an estimate of 6-10 awards, corresponding to a total of $3M for fiscal year 2015. Future year amounts will depend on annual appropriations. The maximum project period is three years.

**Genetic Susceptibility & Variability of Human Structural Birth Defects (R01)**

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


Contact: Varies with research interest

Solicitation number: PA-14-056

The purpose of this FOA is to support innovative investigator-initiated R01 applications using animal models in conjunction with translational/clinical approaches that take advantage of advances in genetics, biochemistry, molecular, and developmental biology to identify the specific genetic, epigenetic, environmental, or gene/environment interactions associated with the susceptibility to and variability of structural birth defects in human populations. Investigators are encouraged to 1) develop interdisciplinary approaches involving clinicians, genetic epidemiologists, and basic biomedical scientists (e.g., geneticists, molecular, and developmental biologists, etc.); and 2) collaborate with existing population-based birth defects registries, databases, and surveillance programs at the private, state, and Federal levels, especially the Centers for Disease Control and Prevention (CDC)-funded Centers for Birth Defects Research and Prevention. The maximum project period for this FOA is five years.

**NIDCD Research on Hearing Health Care (R01)**

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


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

Solicitation number: PA-14-091

This FOA encourages Research Project Grant (R01) applications from institutions/organizations to support research leading to accessible and affordable hearing health care (HHC). The overarching emphasis is on the acquisition of knowledge that can be rapidly translated into new or enhanced approaches for access, assessment or interventions with a goal to delivering better hearing health care outcomes. Applications should seek quality approaches that are effective, affordable and deliverable to those who need them as well as implementable and sustainable in settings beyond the research environment. The maximum project period is five years. This FOA runs in parallel with a FOA of identical scientific scope, PA-14-090, that utilizes the R21 Exploratory/Developmental Grant mechanism.
Prevention and Treatment of Substance Using Populations with or at Risk for HCV (R01)

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


Contact: Will Aklin, 301/443-3207, aklinwm@nida.nih.gov

Solicitation number: PA-14-137

This FOA (R01) outlines priority areas for high impact clinical and basic research for at-risk substance using populations, including those infected with or at risk for HIV. In particular, this FOA encourages research focused on prevention and treatment of Hepatitis C Virus (HCV) to reduce new infections and identify and treat existing infections more effectively. This FOA is informed by priority areas in the 2011 HHS Action Plan, Combating the Silent Epidemic of Viral Hepatitis: Action Plan for the Prevention, Care and Treatment of Viral Hepatitis. The maximum duration of a project period solicited under this FOA is five years. This FOA runs in parallel with FOAs of identical scientific scope, PA-14-136 and PA-14-135, that utilize the R21 Exploratory/Developmental Grant and R34 Planning Grant mechanisms, respectively.

Alcohol-Induced Effects on Tissue Injury and Repair (R01)

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

http://grants.nih.gov/grants/guide/pa-files/PA-14-123.html

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

Solicitation number: PA-14-123

This FOA encourages Research Project Grant (R01) applications to study molecular and cellular mechanisms of tissue injury and repair associated with alcohol use in humans. Excessive alcohol consumption has the potential to adversely affect multiple organ systems including the liver, brain, heart, pancreas, lung, kidney, endocrine and immune systems, as well as bone and skeletal muscle. In addition, there is accumulating evidence that long term alcohol consumption is associated with reduced host capacity for recovery and repair following trauma. The mechanisms for these alcohol-induced effects on tissue injury and repair are currently not fully understood. NIAAA is especially interested in integrative research that elucidates alcohol’s effects on complex mechanisms of injury and repair that are either common or specific to each organ system. This FOA also encourages the study of alcohol’s effect on stem cells, embryonic development, and regeneration. Also encourages are studies on molecular and cellular actions of moderate alcohol consumption. A better understanding of these underlying mechanisms may provide new avenues for developing more effective and novel approaches for prognosis, diagnosis, intervention, and treatment of alcohol-induced organ damage. The maximum duration of a project period solicited under this FOA is five years. This FOA runs in parallel with a FOA of identical scientific scope, PA-14-124, that utilizes the R21 Exploratory/Developmental Grant mechanism.

Strengthening Adherence to Antiretroviral-Based HIV Prevention and Treatment (R01)

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


Contact: Varies with research interest

Solicitation number: PA-14-126

This FOA encourages research to understand and promote adherence to antiretroviral (ARV) regimens for HIV treatment and prevention. Studies addressing pre-exposure prophylaxis (PrEP) and antiretroviral therapy (ART) are the foci of this FOA. The overarching emphasis is on the development of feasible interventions to improve and sustain PrEP or ART adherence which could be rapidly implemented in clinical, community, and policy environments to improve HIV treatment and prevention outcomes. The maximum duration of a project period solicited under this FOA is five years. This FOA runs in parallel with a FOA of identical scientific scope, PA-14-125, that utilizes the R21 Exploratory/Developmental Grant mechanism.
Targeted Basic Behavioral and Social Science and Intervention Development for HIV Prevention and Care (R01)

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


Contact: Varies with research interest

Solicitation number: PA-14-127

The goal of this FOA is to provide a global outline of areas for innovative, targeted basic behavioral and social science research and intervention development research to reduce the number of new HIV infections and improve the overall health of those living with HIV and encourage research grant applications in these areas. 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 feasibility and (c) conduct tests of the efficacy of HIV prevention and care interventions. The maximum duration of a project period solicited under this FOA is five years. This FOA runs in parallel with a FOA of identical scientific scope, PA-14-128, that utilizes the R21 Exploratory/Developmental Grant mechanism.

A Family-Centered Self-Management of Chronic Conditions (R01)

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


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

Solicitation number: PA-14-112

The purpose of this FOA is to encourage research that seeks to build the science of family-centered self-management (FCSM) in chronic conditions. Examples of approaches to this opportunity are as follows but are not limited to: 1) Develop and test FCSM interventions that promote family equilibrium for individuals with chronic conditions as well as when multiple family members have chronic conditions and are at risk of exacerbation of their illness; 2) Develop innovative research designs to determine which FCSM interventions are most efficient to include variability across developmental life stages and who will benefit most; and 3) Incorporate novel technologies for individual and family members to facilitate FSCM such as: monitoring symptom status, promoting health behavioral modifications and accessing/imparting health information. The maximum duration of a project period solicited under this FOA is five years. This FOA runs in parallel with a FOA of identical scientific scope, PA-14-113, that utilizes the R21 Exploratory/Developmental Grant mechanism.

Behavioral Interventions to Address Multiple Chronic Health Conditions in Primary Care (R01)

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PA-14-114

This FOA seeks Research Project Grant (R01) applications that propose to use a common conceptual model to develop behavioral interventions to modify health behaviors and improve health outcomes in patients with comorbid chronic diseases and health conditions. Specifically, this FOA will support research in primary care that uses a multi-disease care management approach to behavioral interventions with high potential impact to improve patient-level health outcomes for individuals with three or more chronic health conditions. The proposed approach must modify behaviors using a common approach rather than administering a distinct intervention for each targeted behavior and/or condition. Diseases and health conditions can include, but are not limited to: mental health disorders (e.g., depression), diabetes, smoking, obesity, chronic pain, alcohol and substance abuse and dependence, chronic obstructive pulmonary disorder, cancer and hypertension. The maximum duration of a project period solicited under this FOA is five years.
Early Stage Development of Technologies in Biomedical Computing, Informatics, and Big Data Science

National Institutes of Health, Cross-Institute

http://grants.nih.gov/grants/guide/pa-files/PA-14-155.html - Section VII. Agency

Contact: Varies with research interest

Solicitation number: PA-14-155

The NIH is interested in promoting a broad base of research and development of technologies in biomedical computing, informatics, and Big Data Science that will support rapid progress in areas of scientific opportunity in biomedical research. It is expected that this research and development is conducted in the context of important biomedical and behavioral research problems. As such, applications are intended to develop enabling technologies that could apply to the interests of most NIH Institutes and Centers and range from basic biomedicine and including research to all relevant organ systems and diseases. Major themes of research include collaborative environments; data integration; analysis and modeling methodologies; and novel computer science and statistical approaches. New opportunities are also emerging as large and complex data sets are becoming increasingly available to the research community. This initiative aims to address biomedical research areas in biomedical computing, informatics, and Big Data science through the early stage development of new software, tools and related resources, as well as the fundamental research (e.g., methodologies and approaches) leading up to that development. Acceptable budgets are not to exceed $300K direct costs per year over a maximum project period of three years. This FOA runs in parallel with FOAs of identical scientific scope, PA-14-156, PA-14-154 and PA-14-157, that utilize the R01, R43/R44 and R41/R42 grant mechanisms, respectively.

Extended Development, Hardening and Dissemination of Technologies in Biomedical Computing, Informatics and

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PA-14-156

The goal of this program announcement is to support the extended development, maintenance, testing, evaluation, hardening and dissemination of existing biomedical software. The NIH is interested in promoting a broad base of research and development of technologies in biomedical computing, informatics, and Big Data Science that will support rapid progress in areas of scientific opportunity in biomedical research. It is expected that this research and development is conducted in the context of important biomedical and behavioral research problems and that domain researchers are consulted to make sure that the software is relevant to users. As such, applications are intended to develop enabling technologies that could apply to the interests of most NIH Institutes and Centers and range from basic biomedicine and including research to all relevant organ systems and diseases. Major themes of research include collaborative environments; data integration; analysis and modeling methodologies; and novel computer science and statistical approaches. New opportunities are also emerging as large and complex data sets are becoming increasingly available to the research community. The proposed work should apply best practices and proven methods for software design, construction, and implementation to extend the applicability of existing technologies in biomedical computing, informatics and big data science to a broader biomedical research community. The maximum duration of a project period is five years. This FOA runs in parallel with FOAs of identical scientific scope, PA-14-155, PA-14-154 and PA-14-157 that utilize the R21, R43/R44 and R41/R42 grant mechanisms, respectively.
Temporal Dynamics of Neurophysiological Patterns as Potential Targets for Treating Cognitive Deficits in Brain Dis

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


Contact: Varies with research interest

Solicitation number: PAR-14-153

A rich body of evidence suggests that cognitive processes are associated with particular patterns of neural activity. These data indicate that oscillatory rhythms, their co-modulation across frequency bands, spike-phase correlations, spike population dynamics, and other patterns might be useful drivers of therapeutic development for cognitive improvement in neuropsychiatric disorders. This initiative encourages applications to test whether modifying electrophysiological patterns during behavior can improve cognitive abilities. Applications should use experimental designs that incorporate active manipulations to address at least one, and ideally more, of the following topics: (1) in behaving animals, determine which parameters of neural coordination, when manipulated in isolation, improve particular aspects of cognition; (2) in animals or humans, determine how particular abnormalities at the cellular or molecular level, such as specific receptor dysfunction, affect the coordination of electrophysiological patterns during behavior; (3) determine whether in vivo, systems-level electrophysiological changes in behaving animals predict analogous electrophysiological and cognitive improvements in normal humans or clinical populations; and (4) use systems-level computational modeling to develop a principled understanding of the function and mechanisms by which oscillatory and other electrophysiological temporal dynamic patterns unfold across the brain (cortically and subcortically) to impact cognition. Projects are limited to five years in duration. This FOA runs in parallel with a FOA of identical scientific scope, PAR-14-158, that utilizes the R21 Exploratory/Developmental Grant mechanism.

Biology of Manual Therapies (R01)

National Institutes of Health, National Center for Complementary and Alternative Medicine (NCCAM)


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

Solicitation number: PA-14-168

This FOA encourages research grant applications (R01) from institutions/organizations that propose to investigate the basic science and mechanisms of action underlying the neurophysiological (especially the central nervous system responses), immunological, endocrinological and/or biomechanical consequences of manual therapies, such as spinal manipulation, mobilization and massage therapy. The maximum project period is five years. This FOA runs in parallel with a FOA of identical scientific scope, PA-14-167, that utilizes the R21 Exploratory/Developmental Grant mechanism.

Clinical Studies of Mental Illness Not Involving Treatment Development, Efficacy, or Effectiveness Trials (Collabora

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


Contact: Shelli Avenevoli, 301/443-8316, avenevos@mail.nih.gov

Solicitation number: PAR-14-165

This FOA seeks to support collaborative clinical studies, not involving treatment development, efficacy, or effectiveness trials. Primary areas of focus include mental health genetics, biomarker studies, and studies of mental illnesses (e.g. psychopathology, neurodevelopmental trajectories of psychopathology). Applicants should respond to this FOA when two or more sites are needed to complete the study. Accordingly, the collaborating studies share a specific protocol across the sites and are organized as such in order to increase sample size, accelerate recruitment, or increase sample diversity and representation. In studies with a large number of sites, it is expected that one site will be submitted as a coordinating site for data management and/or other centralized administration. For a linked set of collaborative R01s, each site has its own Program Director/Principal Investigator and the program provides a mechanism for cross-site coordination, quality control, database management, statistical analysis, and reporting. The maximum project period is five years.
Healthy Habits: Timing for Developing Sustainable Healthy Behaviors in Children and Adolescents (R01)

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


Contact: Varies with research interest

Solicitation number: PA-14-177

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

Biobehavioral and Technological Interventions to Attenuate Cognitive Decline in Individuals with Cognitive Impair

National Institutes of Health


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

Solicitation number: PA-15-017

The purpose of FOA is to stimulate clinical research focused on biobehavioral or technological interventions to attenuate cognitive decline in individuals with dementia (such as Alzheimer’s disease, Lewy body dementia, vascular dementia), mild cognitive impairment (MCI), or disease- or age-related cognitive decline. There is particular interest in interventions that can be implemented in community settings by the affected individual, informal caregivers, or others in the community. Research to inform the development of such interventions is also of interest, as well as research examining underlying mechanisms and biomarkers associated with response to interventions. It is anticipated that the results of this research will help affected individuals maintain independence and quality of life, improve their ability to perform activities of daily living (ADLs) and instrumental activities of daily living (IADLs), and additionally help to reduce stress, burden, and other poor outcomes in their caregivers. The award must reflect the needs of the project and has a maximum duration of five years.

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

National Institutes of Health


Contact: Lynda Hardy, 301/594-5976, hardylr@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. The maximum project period is three years.
Prevention Research in Mid-Life Adults (R01)
National Institutes of Health
Contact: Mary Roary, 301/594-2154, mary.roary@nih.gov
Solicitation number: PA-15-098
This FOA seeks to stimulate research on mid-life adults (those 50 to 64 years of age) that can inform efforts to optimize health and wellness as individuals age, and prevent illness and disability in later years. The maximum project period is five 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.
Temporal Dynamics of Neurophysiological Patterns as Potential Targets for Treating Cognitive Deficits in Brain Dis
dorders

A rich body of evidence suggests that cognitive processes are associated with particular patterns of neural activity. These data indicate that oscillatory rhythms, their co-modulation across frequency bands, spike-phase correlations, spike population dynamics, and other patterns might be useful drivers of therapeutic development for cognitive improvement in neuropsychiatric disorders. This initiative encourages applications to test whether modifying electrophysiological patterns during behavior can improve cognitive abilities. Applications should use experimental designs that incorporate active manipulations to address at least one, and ideally more, of the following topics: (1) in behaving animals, determine which parameters of neural coordination, when manipulated in isolation, improve particular aspects of cognition; (2) in animals or humans, determine how particular abnormalities at the cellular or molecular level, such as specific receptor dysfunction, affect the coordination of electrophysiological patterns during behavior; (3) determine whether in vivo, systems-level electrophysiological changes in behaving animals predict analogous electrophysiological and cognitive improvements in normal humans or clinical populations; and (4) use systems-level computational modeling to develop a principled understanding of the function and mechanisms by which oscillatory and other electrophysiological temporal dynamic patterns unfold across the brain (cortically and subcortically) to impact cognition. The maximum project period is five years.

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

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.

Potential Effects of Metformin on Aging and Age-Related Conditions: Small-Scale Clinical Studies and Secondary An

Emerging data from clinical studies of metformin in a variety of patient populations suggest that it may have other effects, besides being an antihyperglycemic agent, which warrant further attention in translational aging research. The objective of this FOA is to support research projects (R01) that include small-scale physiologic studies in humans or secondary analyses of data and/or stored biospecimens from controlled clinical intervention studies, to increase our understanding about the clinical translational potential of metformin to delay deleterious aging changes or to extend healthy human life span. This includes identification of specific populations particularly likely to benefit, and/or to obtain information on metformin’s human physiologic and cellular effects that would be useful in identifying novel molecular targets. The maximum project period is five years.
Earth Sciences Instrumentation and Facilities (EAR IF)

National Science Foundation, Geosciences (GEO)


Contact: Varies with research interest

Solicitation number: NSF 11-544

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

Grant Opportunities for Academic Liaison with Industry (GOALI)

National Science Foundation, Cross-Directorate


Contact: Varies with research interest

Solicitation number: NSF 12-513

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

NSF-FDA Scholar-in-Residence at FDA

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


Contact: Leon Esterowitz, 703/292-7942, lesterow@nsf.gov

Solicitation number: NSF 10-533

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

Hydrologic Sciences

National Science Foundation, Geosciences (GEO)


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

Solicitation number: NSF 15-558

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

National Science Foundation, Geosciences (GEO)
Contact: Enriqueta Barrera, 703/292-7780, ebarrera@nsf.gov
Solicitation number: NSF 15-559

This program supports research on: 1) the interactions between biological and geological systems at all scales of space and time; 2) geobiology 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: Harold Lane, 703/292-4730, hlane@nsf.gov
Solicitation number: NSF 15-561

SGP supports research in a wide variety of areas in sedimentary geology and paleobiology in order to comprehend the full range of physical, biological, and chemical processes of Earth’s dynamic system. The program supports the study of deep-time records of these processes archived in the Earth’s sedimentary carapace (crust) at all spatial and temporal scales. These records are fingerprints of the processes that produced them and continue to shape the Earth. For the years 2013-2017, the Sedimentary Geology and Paleobiology Program will be sponsoring a two track opportunity that will consist of the normal SGP competition (Track 1) and bi-annually, a new track termed Earth-Life Transitions (ELT) (Track 2). Track 1: General Program supports general studies of: 1) the changing aspects of life, ecology, environments, and biogeography in past geologic time based on fossil plants, animals, and microbes; 2) all aspects of the Earth’s sedimentary carapace - insights into geological processes recorded in its records and rich organic and inorganic resources locked in rock sequences; 3) the science of dating and measuring the sequence of events and rates of geological processes as manifested in Earth’s past sedimentary and biological (fossil) record; 4) the geologic record of the production, transportation, and deposition of physical and chemical sediments; and 5) understanding Earth’s deep-time (pre-Holocene) climate systems. Track 2: Earth-Life Transitions: The goals of the ELT track are: 1) to address critical questions about Earth-Life interactions in deep-time through the synergistic activities of multi-disciplinary science and 2) to enable team-based interdisciplinary projects involving stratigraphy, sedimentology, paleontology, proxy development, calibration and application studies, geochronology, and climate modeling at appropriately resolved scales of time and space, to understand major linked events of environmental, climate and biotic change at a mechanistic level. Anticipated funding is $5.5M annually for Track 1 and $4M biannually for Track 2.

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.

Ongoing

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)
National Science Foundation
Contact: David Lambert, 703/292-8558, dlambert@nsf.gov
Solicitation number: NSF 15-516
The Instrumentation and Facilities Program in the Division of Earth Sciences (EAR/IF) supports meritorious requests for infrastructure that promotes research and education in areas supported by the Division (see http://www.nsf.gov/div/index.jsp?div=EAR). 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.

Archaeology Program - Doctoral Dissertation Research Improvement Awards
National Science Foundation
Contact: John Yellen, 703/292-8759, jyellen@nsf.gov
Solicitation number: NSF 15-554
The Archaeology Program supports anthropologically relevant archaeological research. This means that the value of the proposed research can be justified within an anthropological context. The Program sets no priorities by either geographic region or time period. It also has no priorities in regard to theoretical orientation or question and it is the responsibility of the applicant to explain convincingly why these are significant and have the potential to contribute to anthropological knowledge. While the Program, in order to encourage innovative research, neither limits nor defines specific categories of research type, most applications either request funds for field research and/or the analysis of archaeological material through multiple approaches. The Program also supports methodological projects which develop analytic techniques of potential archaeological value. Doctoral Dissertation Research Improvement (DDRI) awards may not exceed $20K over the duration of the three-year project period.
Faculty Early Career Development Program (CAREER) 2015

National Science Foundation


Contact: 703/292-5111, info@nsf.gov

Solicitation number: NSF 15-555

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

Advancing Digitization of Biodiversity Collections (ADBC) - Limited Submission

National Science Foundation


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

Solicitation number: NSF 15-576

This program seeks to enhance and expand the national resource of digital data documenting existing vouchered biological and paleontological collections and to advance scientific knowledge by improving access to digitized information (including images) residing in vouchered scientific collections across the United States. The information associated with various collections of organisms, such as geographic, paleogeographic and stratigraphic distribution, environmental habitat data, phenology, information about associated organisms, collector field notes, and tissues and molecular data extracted from the specimens, is a rich resource providing the baseline from which to further biodiversity research and provide critical information about existing gaps in our knowledge of life on earth. The national resource is structured at three levels: a central coordinating organization, a series of thematic networks based on an important research theme, and the physical collections. The national resource builds upon a sizable existing national investment in curation of the physical objects in scientific collections and contributes vitally to scientific research and technology interests in the United States. It will become an invaluable tool in understanding contemporary biological issues and challenges.

Proposals for Thematic Collections Networks (TCNs): Thematic Collections Network (TCN) proposals will be submissions for two-to-four year awards to digitize existing specimens based on a particular research theme. This research theme may be a grand challenge for biodiversity, a part of a grand challenge, or another important research theme requiring information from existing collections.
Instrument Development for Biological Research (IDBR)
National Science Foundation, Biological Sciences (BIO)
Contact: Joyce Fernandes, 703/292-2209, jfernand@nsf.gov
Solicitation number: NSF 13-561
The IDBR Program supports the development of instrumentation that addresses demonstrated needs in biological research. The program accepts two types of proposals: 1) Innovation Proposals for the development of innovative instrumentation that permits new kinds of measurements, or instruments that significantly improve current technologies by at least an order of magnitude in fundamental aspects; and 2) Bridging Proposals for transforming, 'one of a kind' prototypes or high-end instruments into devices that are broadly available and utilizable without loss of capacity. The period of support requested for Innovation proposals should not exceed 36 months and should not exceed 24 months for Bridging proposals.

Cracking the Olfactory Code (Olfactory)
National Science Foundation
Contact: Edda Thiels, 703/292-8421, ETHIELS@nsf.gov
Solicitation number: NSF 15-547
Although early steps in olfactory processing are relatively well understood, significant gaps remain in our understanding of higher-order odor representations and processing during on-going behavior. Deciphering the operating principles of olfaction requires the development of innovative and integrative approaches that combine novel theoretical frameworks, improved mathematical models, and novel behavioral paradigms across the phylogenetic spectrum, experimental methodologies, and engineering principles. This solicitation describes an Ideas Lab on “Cracking the Olfactory Code,” which will be meant to facilitate the generation and execution of innovative research projects aimed at understanding the nature of olfactory processing and sensory representations in the brain in general.

Long Term Research in Environmental Biology (LTREB)
National Science Foundation, Biological Sciences (BIO)
Contact: Saran Twombly, 703/292-8133, stwombly@nsf.gov
Solicitation number: NSF 15-503
This FOA encourages the submission of proposals that generate extended time series of biological and environmental data to address ecological and evolutionary processes and resolve important issues in organismal and environmental biology. Researchers must have collected at least six years of previous data to qualify for funding, and these data must motivate the proposed research. The proposal also must present a cohesive conceptual rationale or framework for ten years of research. Awards are not to exceed $90K per year (direct and indirect costs) and $450K over a five-year effort.

Science, Technology, and Society (STS)
National Science Foundation, Social, Behavioral, and Economic Sciences (SBE)
Contact: Frederick Kronz, 703/292-7283, fkronz@nsf.gov
Solicitation number: 15-506
STS considers proposals for scientific research into the interface between science (including engineering) or technology, and society. STS researchers use diverse methods including social science, historical, and philosophical methods. Successful proposals will be transferrable (i.e., generate results that provide insights for other scientific contexts that are suitably similar). They will produce outcomes that address pertinent problems and issues at the interface of science, technology and society, such as those having to do with practices and assumptions, ethics, values, governance, and policy. Approximately 40 Standard, Continuing Grant, or Fellowship awards will be made.
Division of Environmental Biology (CORE programs) (DEB)
National Science Foundation, Biological Sciences (BIO)
Contact: 703/292-8480, debquestions@nsf.gov
Solicitation number: NSF 15-500
This program supports fundamental research on populations, species, communities, and ecosystems. Scientific emphases range across many evolutionary and ecological patterns and processes at all spatial and temporal scales. Areas of research include biodiversity, phylogenetic systematics, molecular evolution, life history evolution, natural selection, ecology, biogeography, ecosystem structure, function and services, conservation biology, global change, and biogeochemical cycles. About 200 awards will be made each year. The Division also welcomes proposals for Small Grants to the core programs via this solicitation. Projects intending total budgets of $150K or less should be identified as such with the designation "SG:" as a prefix to the project title. These awards are intended to support full-fledged research projects that simply require smaller budgets. Small Grant projects will be assessed based on the same merit review criteria as all other proposals.

Law & Social Sciences (LSS)
National Science Foundation, Social, Behavioral, and Economic Sciences (SBE)
Contact: Helena Silverstein, 703/292-7023, hsilvers@nsf.gov
Solicitation number: NSF 15-514
This program considers proposals that address social scientific studies of law and law-like systems of rules. The program is inherently interdisciplinary and multi-methodological. Successful proposals describe research that advances scientific theory and understanding of the connections between law or legal processes and human behavior. LSS provides the following modes of support: 1) Standard Research Grants and Grants for Collaborative Research; 2) Doctoral Dissertation Research Improvement Grants; 3) Interdisciplinary Postdoctoral Fellowships; and 4) Workshop and Conference Proposals. Approximately 75 awards will be made.

Robert Noyce Teacher Scholarship Program
National Science Foundation, Education and Human Resources (EHR)
Contact: Teri Murphy, 703/292-2109, tmurphy@nsf.gov
Solicitation number: NSF 15-530
This program seeks to encourage talented science, technology, engineering, and mathematics majors and professionals to become K-12 mathematics and science teachers. The Noyce Scholarship Track provides funds to institutions of higher education to support scholarships, stipends, and academic programs for undergraduate STEM majors and post-baccalaureate students holding STEM degrees who earn a teaching credential and commit to teaching in high-need K-12 school districts. The NSF Teaching Fellowship/Master Teaching Fellowship Track supports STEM professionals who enroll as NSF Teaching Fellows in master's degree programs leading to teacher certification by providing academic courses, professional development, and salary supplements while they are fulfilling a four-year teaching commitment in a high need school district. This track also supports the development of NSF Master Teaching Fellows by providing professional development and salary supplements for exemplary mathematics and science teachers to become Master Teachers in high-need school districts. Capacity Building Projects support the development of new programs and activities to increase the capacity for institutions to provide innovative teacher preparation programs that enable increasing numbers of STEM majors and STEM professionals to become effective K-12 mathematics and science teachers and to develop the capacity to prepare Master science and mathematics teachers. Cost sharing is required.
Advances in Biological Informatics (ABI)
National Science Foundation, Biological Sciences (BIO)
Contact: Anne Maglia, 703/292-8470, dbiabi@nsf.gov
Solicitation number: NSF 12-567
The ABI program seeks to encourage new approaches to the analysis and dissemination of biological knowledge for the benefit of both the scientific community and the broader public. This program is especially interested in the development of informatics tools and resources that have the potential to advance, or transform, research in biology. The ABI program accepts three major types of proposals: Innovation awards that seek to pioneer new approaches to the application of informatics to biological problems; Development awards that seek to provide robust cyberinfrastructure that will enable transformative biological research; and Sustaining awards that seek to support ongoing operations and maintenance of existing cyberinfrastructure that is critical for continued advancement of priority biological research.

Research Experiences for Undergraduates (REU)
National Science Foundation, Cross-Directorate
Contact: http://www.nsf.gov/crssprgm/reu/reu_contacts.jsp
Solicitation number: NSF 13-542
This program supports active research participation by undergraduate students in any of the areas of research funded by NSF. This solicitation features two mechanisms for support of student research: 1) REU Sites are based on independent proposals to initiate and conduct projects that engage a number of students in research. REU Sites may be based in a single discipline or academic department, or on interdisciplinary or multi-department research opportunities with a coherent intellectual theme. Proposals with an international dimension are welcome. 2) REU Supplements may be requested for ongoing NSF-funded research projects or may be included as a component of proposals for new or renewal NSF grants or cooperative agreements. Students do not apply to NSF to participate in REU activities. Students apply directly to REU Sites or to NSF-funded investigators who receive REU Supplements. Three years is the typical duration for REU Site awards in most NSF directorates; however, a duration of up to five years may be allowed in some cases. The typical REU Site hosts 8-10 students per year. The typical funding amount is $70K-$120K per year.

Building Community and Capacity in Data Intensive Research in Education (BCC-EHR)
National Science Foundation
Contact: John Cherniaevsky, 703/292-5136, jchernia@nsf.gov
Solicitation number: NSF 15-563
As part of NSF’s Cyberinfrastructure Framework for 21st Century Science and Engineering (CIF21) activity, the Directorate for Education and Human Resources (EHR) seeks to enable research communities to develop visions, teams, and capabilities dedicated to creating new, large-scale, next-generation data resources and relevant analytic techniques to advance fundamental research for EHR areas of research. Successful proposals will outline activities that will have significant impacts across multiple fields by enabling new types of data-intensive research. Investigators should think broadly and create a vision that extends intellectually across multiple disciplines and that includes—but is not necessarily limited to—EHR areas of research. The anticipated amount of funding is $2.5M distributed among five awards.

Science of Organizations (SoO)
National Science Foundation, Social, Behavioral, and Economic Sciences (SBE)
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504696
Contact: Jacqueline Meszaros, 703/292-7261, jmeszar@nsf.gov
Solicitation number: PD 11-8031
This program funds basic research that yields a scientific evidence base for improving the design and emergence, development and deployment, and management and ultimate effectiveness of organizations of all kinds. Successful research proposals use scientific methods to develop and refine theories, to empirically test theories and frameworks, and to develop new measures and methods. Funded research is aimed at yielding generalizable insights that are of value to the business practitioner, policy-maker, and research communities.
Science of Science and Innovation Policy Doctoral Dissertation Research Improvement Grants (SciSIP-DDRIG)

National Science Foundation


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

Solicitation number: NSF 15-513

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

EHR Core Research (ECR) - Fundamental Research in Science, Technology, Engineering and Mathematics (STEM) Education

National Science Foundation


Contact: 703/292-2333, ECR@nsf.gov

Solicitation number: NSF 15-509

The EHR Core Research (ECR) program of fundamental research in STEM education provides funding in critical research areas that are essential, broad and enduring. EHR seeks proposals that will help synthesize, build and/or expand research foundations in the following focal areas: STEM learning, STEM learning environments, STEM workforce development, and broadening participation in STEM. The ECR program is distinguished by its emphasis on the accumulation of robust evidence to inform efforts to (a) understand, (b) build theory to explain, and (c) suggest interventions (and innovations) to address persistent challenges in STEM interest, education, learning, and participation. The program supports advances in fundamental research on STEM learning and education by fostering efforts to develop foundational knowledge in STEM learning and learning contexts, both formal and informal, from childhood through adulthood, for all groups, and from the earliest developmental stages of life through participation in the workforce, resulting in increased public understanding of science and engineering. The ECR program will fund fundamental research on: human learning in STEM; learning in STEM learning environments, STEM workforce development, and research on broadening participation in STEM.

Collections in Support of Biological Research (CSBR) - Limited Submission

National Science Foundation


Contact: Roland Roberts, 703/292-8470, dbicsbr@nsf.gov

Solicitation number: NSF 15-577

The Collections in Support of Biological Research (CSBR) Program provides funds: 1) for improvements to secure and organize collections that are significant to the NSF BIO-funded research community; 2) to secure collections-related data for sustained, accurate, and efficient accessibility to the biological research community; and 3) to transfer ownership of collections.

The CSBR program provides for enhancements that secure and improve existing collections, improves the accessibility of digitized specimen-related data, and develop better methods for specimen curation and collection management. Requests should demonstrate a clear and urgent need to secure the collection, and the proposed activities should address that need. Biological collections supported include established living stock/culture collections, vouched non-living natural history collections, and jointly-curated ancillary collections such as preserved tissues and DNA libraries.
**Documenting Endangered Languages (DEL)**

National Science Foundation, Cross-Directorate  

Contact: Varies with research interest  
Solicitation number: NSF 15-567

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

---

**Hazard Mitigation and Structural Engineering (HMSE)**

National Science Foundation  
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13358

Contact: Kishor Mehta, 703/292-7081, kimehta@nsf.gov  
Solicitation number: PD 13-1637

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

---

**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 fosters just and sustainable communities by making grants in the areas of: Sustainable Environments, with the goal of creating just and sustainable communities where consumption and conservation are balanced and innovative solutions to environmental problems improve people’s lives; Strong Local Economies, with the objective of providing early support for communities that seek to increase access to opportunity for all residents to build their wealth in a sustainable manner; and Thriving Cultures, with the purpose of strengthening both individual and institutional cultural assets, contributing to vibrant communities. Organizations are eligible for a maximum of three consecutive years of funding. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.
Smith Richardson Foundation Grants
Smith Richardson Foundation
https://fdo.foundationcenter.org/grantmaker-profile?collection=grantmakers&key=RICH009
Contact: Varies with research interest
Solicitation number:
The two principal grant-making programs are: the International Security and Foreign Policy Program, with the objective of assisting the U.S. policy community in developing effective national security strategies and foreign policies, and the Domestic Public Policy Program, which supports projects that will help the public and policy makers understand and address critical challenges facing the United States. Requests for grants of $50K or less are reviewed on an ongoing basis. Requests for grants greater than $50K and for multi-year grant support are made at regular board meetings. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Asia Responsive Grants
Henry Luce Foundation
http://www.hluce.org/asiarespongrant.aspx
Contact: 212/489-7700, hlf1@hluce.org
Solicitation number:
These grants provide opportunities to improve understanding between the United States and the Asia-Pacific region. They typically support research, create new scholarly and public resources, or promote the exchange of ideas and information between Americans and Asians. These grants are limited to work in the humanities and social sciences concerned with Northeast and Southeast Asia, typically for longer-term programs or projects that respond to the needs and priorities of the Asian studies field and benefit a wide range of scholars and institutions. Requests for funding may be submitted at any time during the year, beginning with a brief letter of inquiry. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

PepsiCo Grants
Pfizer Inc.
http://www.pepsico.com/Purpose/Global-Citizenship/Strategic-Grants
Contact: 914/253-2000, pepsico.foundation@pepsi.com
Solicitation number:
PepsiCo is committed to advancing objectives related to education, health and wellness, diversity and inclusion, and thought leadership. In advancing these objectives, PepsiCo provides support to approved organizations on an equal-access basis. Applicants seeking a grant for less than $100K must first submit a brief Letter of Interest. Requests are evaluated on a rolling basis. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

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

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

**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**

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

**Waitt Foundation Grants**

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

Found Animals Foundation

http://michelson.foundanimals.org/michelson-grants

Contact: MichelsonPrize@foundanimals.org

Solicitation number:

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

Energy Foundation Grants

The Energy Foundation

http://www.ef.org/apply-for-a-grant/

Contact: 415/561-6700, energyfund@ef.org

Solicitation number:

The Energy Foundation awards grants and takes direct initiatives in the electric power, buildings, transportation, and climate sectors in the United States. PIs are encouraged to write a brief letter of inquiry describing the proposed project, its purpose, and the amount requested. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Lannan Foundation Grants

Lannan Foundation

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

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

Solicitation number:

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

Mathers Grants

The G. Harold & Leila Y. Mathers Charitable Foundation

http://www.mathersfoundation.org/policies.html

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

Solicitation number:

The Foundation is primarily interested in supporting fundamental basic research in the life sciences. Support is provided for specific projects from established researchers at top universities and independent research institutions within the United States. Formal requests will be either discouraged or invited based on specific detailed queries sent by mail, and are processed when received. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.
Conservation Trust Grant
National Geographic Society
Contact: conservationtrust@ngs.org
Solicitation number:
The objective of the Conservation Trust is to support conservation activities around the world as they fit within the mission of the National Geographic Society. The trust will fund projects that contribute significantly to the preservation and sustainable use of the Earth’s biological, cultural, and historical resources. Applicants are not expected to have PhDs or other advanced degrees. However, applicants must provide a record of prior research or conservation action as it pertains to the proposed project. While grant amounts vary greatly, most range from $15K to $20K. Pre-applications are accepted throughout the year. Applications are submitted by invitation only. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Environment Program
The William and Flora Hewlett Foundation
http://www.hewlett.org/programs/environment-program/
Contact: 650/234-4500
Solicitation number:
The Environment Program supports projects with goals to: conserve the Western United States and Canada for wildlife and people; slow global climate change by reducing greenhouse gas emissions; ensure that the US energy supply is clean and consumption is efficient; and address environmental problems that disproportionately affect disadvantaged communities in the San Francisco Bay Area. The Foundation accepts unsolicited letters of inquiry for its Western Conservation Program and its Energy and Climate Program. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

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

Funding for Readings and Workshops
Poets and 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.
Ongoing

**Mott Foundation Grants**

The Charles Stewart Mott Foundation


Contact:

Solicitation number:

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

---

Ongoing

**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.

---

Ongoing

**Humanities Program Grants**

The Gladys Krieble Delmas Foundation

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

Contact: 212/687-0011, info@delmas.org

Solicitation number:

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

---

Ongoing

**Brain and Behavior Research Grants**

Brain & Behavior Research Foundation


Contact: grants@bbrfoundation.org

Solicitation number:

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

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

Contact: ideas@iss-casis.org

Solicitation number:

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

Thriving Cultures Program

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

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

Solicitation number:

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

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

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

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

Solicitation number:

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

Fulbright Specialist Program
Council for International Exchange of Scholars
http://www.cies.org/specialists/
Contact: Margo Cunniffe, 202/686-6243, mcunniffe@iie.org
Solicitation number:

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

Sundance Documentary Fund
Sundance Institute
http://www.sundance.org/programs/documentary-film
Contact: dfp@sundance.org
Solicitation number:

The Sundance Documentary Fund provides grants to filmmakers worldwide for projects that display: artful and innovative storytelling, contemporary relevance, originality and feasibility, the potential to reach and connect with its intended audience. Development grants provide funds of up to $20K. There is no reel required with an application, but clips, teasers, trailers, or images are highly encouraged. A previous work sample is required. Production/Post-Production grants provide up to $50K to fund projects offering approximately 10 or more minutes of edited material for the project being proposed. The reel should convey the narrative and aesthetic approach for the final film. A previous sample work must also be included with the application. Audience Engagement grants provide up to $20K to previously granted projects funding for strategic audience and community engagement campaigns. Additional opportunities by nomination. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.
**Ongoing**

**Humanities Research Projects**

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

Contact:

Solicitation number:

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

---

**Ongoing**

**Research Grants for PhD Candidates**

Horowitz Foundation for Social Policy  

Contact: info@horowitz-foundation.org

Solicitation number:

The Foundation makes targeted grants for work in all major areas of the social sciences, including anthropology, area studies, economics, political science, psychology, sociology, and urban studies, as well as newer areas such as evaluation research. Preference is given to projects that address contemporary issues in the social sciences and issues of policy relevance. Candidates may propose new projects or they may solicit support for research in progress, including final work on a dissertation, supplementing research funds for a work in progress, or travel funds. Grants reach up to $7.5K. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

---

**Ongoing**

**Practitioner Bellagio Residency**

Rockefeller Foundation  

Contact: 212/869-8500

Solicitation number:

The Bellagio Residency program offers academic, artists, thought leaders, policymakers, and practitioners a setting conducive to goal-oriented work and the opportunity to establish new connections with fellow residents from a stimulating array of disciplines and geographies. The Bellagio Center community generates new knowledge to solve some of the most complex issues facing our world and creates art that inspires reflection and understanding on global and social issues. Residencies last between two to four weeks. We are interested in practitioner applicants whose work contributes to the well-being of humankind and/or connects with the Rockefeller Foundation’s issue areas of Advance Health, Revalue Ecosystems, Secure Livelihoods, and Transform Cities. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

---

**Ongoing**

**Open Society Fellowship**

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

Contact: OSFellows@opensocietyfoundations.org

Solicitation number:

The Open Society Fellowship supports individuals pursuing innovative and unconventional approaches to fundamental open society challenges. The fellowship funds work that will enrich public understanding of those challenges and stimulate far-reaching and probing conversations within the Open Society Foundations and in the world. A fellowship project might identify a problem that has not previously been recognized, develop new policy ideas to address familiar problems, or offer a new advocacy strategy. Project themes should cut across at least two areas of interest to the Open Society Foundations. Among these are human rights, government transparency, access to information and to justice, and the promotion of civil society and social inclusion. Full-time fellows may receive up to a $100K stipend.
Global Research Outreach (GRO) Program
Samsung
http://www.sait.samsung.co.kr/saihome/Page.do?method=main&pagePath=01_about/&pageName=gro_overview
Contact: gro.usa@samsung.com

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

Solicitation number:

7/23/2015  Campus Notice of Intent (required)
9/30/2015  Application

Searle Scholars 2016 - Limited Submission
Chicago Community Trust
http://www.searlescholars.net/go.php?id=5
Contact: Douglas Fambrough, fambro@jhu.edu

The Searle Scholars Program makes grants to selected academic institutions to support the independent research of outstanding early-career scientists who have recently been appointed as assistant professors on a tenure-track appointment. Applicants should be pursuing independent research careers in biochemistry, cell biology, genetics, immunology, neuroscience, pharmacology, and related areas in chemistry, medicine, and the biological sciences. Awards are $300K over three years.

Candidates should have begun their appointment as an independent investigator at the assistant professor level on or after July 1, 2014. The appointment must be their first tenure-track position (or its nearest equivalent).

7/24/2015  Full Grant Application

Psychological Research Grants
Craig G. Neilsen Foundation
Contact: Joy Guihama, joy@chnfoundation.org

In order to better understand the relationship among biological, psychological and social aspects of health and functioning in people living with spinal cord injury (SCI), as well as identify and prioritize critical program gaps and develop more effective interventions to improve psychological and social outcomes in individuals with SCI across the lifespan, the Neilsen Foundation expanded its grant-making portfolio in 2013 to specifically include funding for Psychosocial Research (PSR). The Neilsen Foundation PSR portfolio includes 1) research focused on the influence of psychological and social factors on an individual’s health, functioning or quality of life, or 2) research addressing the interrelation of psychological (e.g., behavioral, emotional, cognitive) and social (e.g., interpersonal, community, environmental) factors with health, disability, participation and other quality of life factors relevant to people living with SCI. The PSR Postdoctoral Fellowship Grant provides mentored training for two years at $75K per year. The PSR Pilot Grant award is a total of $100K for one year. The PSR Proof of Concept Grant is a maximum of $150K per year for up to two 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.
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.

Research Grants
W.T. Grant Foundation
http://wtgrantfoundation.org/Grants - apply-research-grants
Contact: 212/752-0071
Solicitation number:
This organization funds research that increases our understanding of: 1) programs, policies, and practices that reduce inequality in youth outcomes; and 2) the use of research evidence in policy and practice. The organization seeks research that builds stronger theory and empirical evidence in these two areas. While change from any one study is not expected, the research should contribute to a body of useful knowledge to improve the lives of young people. Research grants typically reach a maximum award of $600K for up 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.

Frank and Lydia Bergen Foundation Grants
Wells Fargo Philanthropic Services
https://www.wellsfargo.com/privatefoundationgrants/bergen
Contact: 888/234-1999, grantadministration@wellsfargo.com
Solicitation number:
Grants are considered for programs that arrange for musical entertainment, concerts, and recitals appropriate for the education and instruction of the public in the musical arts. Paramount consideration, however, is given to traditional classical music programs. Programs should also aid worthy students of music to secure complete and adequate musical education and aid organizations in their efforts to present fine music to the public, provided that such organizations are operated exclusively for educational purposes. 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.

Stanley Smith Horticultural Trust Grant - Limited Submission
Stanley Smith Horticultural Trust
Contact: tdaniel@calacademy.org
Solicitation number:
The Trust supports projects that directly further research or education in ornamental horticulture in North and South America including: 1) Development of programs and projects; 2) Salaries; 3) Physical improvements; 4) Signage; 5) Access; 6) Equipment; 7) Publications; and, under some circumstances, 8) general operations.
Monticello College Foundation Grants
The Monticello College Foundation
http://monticellofound.org/grants.cfm
Contact: 618/468-2370
Solicitation number:
To be eligible, a project must have the potential to make a genuine, effective contribution to the advancement of education for women. Where applicable, the grant recipient should be able to assure continuance of a successful project after the termination of the grant. Professional educational associations, agencies servicing women’s education, and all accredited degree-granting two and four-year colleges and universities are eligible to apply for grants. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

8/31/2015  Application

EIF Grants
Engineering Information Foundation
http://www.eifgrants.org/info/index.html
Contact: 212/579-7596, info@eifgrants.org
Solicitation number:
EIF’s grant activity supports developmental projects, instructional projects, and training programs in engineering education and research that fit our fields of interest. These currently include the availability and use of published information, women in engineering, and information access in developing countries. Award amount requests should be between $5K and $25K. Projects should be innovative, promote significant and lasting change, and be able to be successfully replicated elsewhere. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

9/1/2015  Fall Application
10/1/2015  Spring Letter of Intent (required)

Whitehall Foundation Research Grants
Whitehall Foundation
http://www.whitehall.org/grants/
Contact: 561/655-4474, email@whitehall.org
Solicitation number:
Research grants are available to established scientists of all ages working at accredited institutions in the United States. Applications will be judged on the scientific merit and the innovative aspects of the proposal as well as on the competence of the applicant. Research grants of up to three years will be provided. Research grants can reach up to $75K 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.

9/15/2015  Full Proposal
1/15/2016  Full Proposal

MacDowell Fellowships
The MacDowell Colony
http://www.macdowellcolony.org/apply-appguidelines.html
Contact: 603/924-3886, admissions@macdowellcolony.org
Solicitation number:
A MacDowell Fellowship provides time, space, and an inspiring environment for artists and consists of exclusive use of a studio, accommodations, and meals for up to eight weeks. The Colony accepts applications from artists working in the following disciplines: architecture, film/video arts, interdisciplinary arts, literature, music composition, theatre, and visual arts. The sole criterion for acceptance is artistic excellence. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.
EFG Grants
Elizabeth Firestone Graham Foundation
http://efgfoundation.com/letters-of-inquiry.html
Contact: 505/898-5600 ext. 24, info@EFGFoundation.com

Solicitation number:
Funding 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 smaller organizations outside the nation’s cultural centers. Requests for projects that take place within one year of the request will be given priority consideration. Grant amounts typically range from $5K to $20K. Proposals for funding are reviewed semi-annually, in the Spring and Fall. Letters of inquiry are required before submission of 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.

Cataloging Hidden Special Collections and Archives
Council on Library and Information Resources (CLIR)
http://www.clir.org/hiddencollections/applicants
Contact: 202/939-4750, hiddencollections@clir.org

Solicitation number:
The Digitizing Hidden Special Collections and Archives program will enhance the emerging global digital research environment in ways that support new kinds of scholarship for the long term. Its aim is to ensure that the full wealth of resources held by institutions of cultural heritage becomes integrated with the open Web. The Digitizing Hidden Collections program coheres around these five core values: 1) Scholarship: The program is designed to maximize its impact on the creation and dissemination of new knowledge; 2) Comprehensiveness: The program supports the digitization of entire (or at least quantifiably substantial proportions of) collections of significant scholarly value, and encourage making these easily discoverable alongside related materials online; 3) Collaboration: The program promotes strategic partnerships rather than duplication of capacity and effort; 4) Sustainability: The program promotes best practices for ensuring the long-term availability and discoverability of digital files; 5) Openness: The program ensures that digitized content will be made available to the public as easily and completely as possible. The maximum award is $250K for single-institution projects and $500K for collaborative projects over a period of up to 24 and 36 months respectively.

Scientific Innovations Award 2015 - Limited Submission
Brain Research Foundation
http://thebrf.org/Grants/Scientific+Innovations+Award
Contact: 312/759-5150, info@thebrf.org

Solicitation number:
This program provides funding for innovative science in both basic and clinical neuroscience. This funding mechanism is designed to support creative, exploratory, cutting edge research in well-established research laboratories, under the direction of established investigators. Funding is to be directed at projects that may be too innovative and speculative for traditional funding sources but still have a high likelihood of producing important findings. This should be a unique project for senior investigators who are encouraged to stretch their imagination into areas that can substantially change an area of research. To be eligible, the nominated candidate must be a full-time professor or associate professor at an invited US institution, working in the area of studies of brain function in health and disease. Current major NIH or other peer-reviewed funding is preferred but evidence of such funding in the past three years is essential. Studies should be related to either normal human brain development or specifically identified disease states. This includes molecular and clinical neuroscience as well as studies of neural, sensory, motor, cognitive, behavioral and emotional functioning in health and disease. Awards are limited to $150K in direct costs for a two year grant period.
**Santa Barbara Cottage Hospital Research Grants**

Santa Barbara Cottage Hospital

[http://www.cottagehealthsystem.org/LinkClick.aspx?link=1026&tabid=185](http://www.cottagehealthsystem.org/LinkClick.aspx?link=1026&tabid=185)

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

This program has been established to encourage medical research by health professionals affiliated with Cottage Health System. The program can provide funding of up to $15K for innovative new ideas and small research projects. Scientists not affiliated with Cottage are eligible if there is a co-investigator who is a health professional affiliated with Cottage Health System.

---

**2016 President’s Research Catalyst Awards**

University of California


Contact: UCRI@ucop.edu

UC President Janet Napolitano and UC Research Initiatives are pleased to issue a Request for Proposals for the 2016 President’s Research Catalyst Awards. This president’s initiative aims to advance innovative research in areas of strategic importance to UC that has the potential to benefit California, the nation and the world, and to stimulate public support for UC research. Awards are made on a competitive basis for highly meritorious research that fulfills the following programmatic goals:

- **a)** Catalyze innovative scholarship that makes significant contributions to knowledge and science in areas of strategic importance to UC, and that has the potential to improve human lives, society, the environment, or the economy, enhance culture and community, or provide other public benefit;
- **b)** Catalyze multicampus and systemwide collaboration that positions UC as a national leader;
- **c)** Catalyze faculty collaboration across career stages to provide mentorship, support professional advancement, and position UC faculty as leaders in key fields;
- **d)** Catalyze graduate student training opportunities in cutting-edge interdisciplinary or multidisciplinary research;
- **e)** Catalyze public engagement in the UC research mission through opportunities for community collaborative research, citizen science, or other community outreach, education and engagement;
- **f)** Catalyze undergraduate participation in research through educational, curricular or training/internship components (as appropriate to the fields and disciplines).

The competition is open to all fields of research and interdisciplinary or thematic collaboration. All proposals must be submitted by academic appointees with Principal Investigator status at a UC campus. The proposed research activities should go beyond individual PI projects to fulfill the research, education and public service mission of UC as outlined in the programmatic goals above. UCOP anticipates awarding $7M total over three years in response to this RFP. Within the constraints of this total available funding, there are no minimum or maximum budget limitations.