Funding Resources

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

RESEARCH DEVELOPMENT CONTACT INFORMATION
Meredith Murr
Director, Research Development
murr@research.ucsb.edu or 893-3925

Barbara Walker, Director,
Research Development for the
Social Sciences, Humanities, and Fine Arts
walker@research.ucsb.edu or 893-3576

Jeff Sczechowski
Director of Research Development for
Science and Engineering
sczechowski@research.ucsb.edu or 893-7345

Kelly Pillsbury
Research Development Analyst
pillsbury@research.ucsb.edu or 893-8891

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FUNDING DATABASE WORKSHOP FOR SOCIAL SCIENCES, FINE ARTS, HUMANITIES, AND EDUCATION
COS Pivot is a funding opportunities database available to our campus. Pivot combines the most comprehensive, editorially maintained database of public and private funding opportunities worth an estimated $33 billion. Come learn how to use Pivot, one of the largest databases for identifying grant opportunities for sponsored research, programs, travel, fellowships and more. Hosted by the Office of Research.

Day: Monday, November 2
Time: 1-2pm
Place: SSMS 1005

SBCH-UCSB SPECIAL RESEARCH AWARD FOR BIOMEDICAL SCIENCE
The Santa Barbara Cottage Hospital Research Committee, in cooperation with the University of California, Santa Barbara Office of Research, is pleased to issue this Request for Proposals for the 2015 Cottage Hospital - UCSB Special Research Award. This award for research with biomedical or biopsychological implications will be granted to the UCSB investigator who, in the Research Committee's determination, most closely meets the evaluation criteria as set out for this program. Special consideration will be given to junior investigators. The Research Committee will consider with particular interest those proposals with clear medical significance, and that actively involve medical professionals associated with Cottage Health System (although this is not a requirement for this award). The total award of $25K will include matching funds from the Santa Barbara Cottage Hospital Research Grant Program and UCSB Office of Research. As with all small grants from the Research Grant Program to University of California investigators, there are no indirect costs associated with these funds.
Deadline: October 1, 2015

SMALL BUSINESS TECHNOLOGY TRANSFER PROGRAM (STTR)
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505242
The SBIR/STTR program solicits proposals from the small business sector consistent with NSF’s mission. The program is governed by Public Law 112-81 (SBIR/STTR Reauthorization Act of 2011). SBIR/STTR policy is provided by the Small Business Administration (SBA) through the SBA Policy Directive. A main purpose of the legislation is to stimulate technological innovation and increase private sector commercialization. The NSF SBIR/STTR program is therefore in a unique position to meet both the goals of NSF and the purpose of the SBIR/STTR legislation by transforming scientific discovery into both social and economic benefit, and by emphasizing private sector commercialization. The STTR Program requires researchers at universities, Federally-Funded Research and Development Centers (FFRDCs), and other non-profit research institutions to play a significant intellectual role in the conduct of each STTR project. These researchers, by joining forces with a small company, can spin-off their commercially promising ideas while they remain primarily employed at the research institution.
Deadline: December 11, 2015
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: NSF/AST Response to the NRC Report “Optimizing the U.S. Ground-Based Optical and Infrared Astronomy System”**


This Dear Colleague Letter summarizes the initial AST response to the recent NRC report, hereafter referred to as the “OIR System Report.” In this Letter, following some general comments about the role of the National Optical Astronomy Observatory, AST responses to the NRC recommendations are presented in the order in which the recommendations appeared in the Executive Summary of the Report. Comments on some of the conclusions in the Report also are included with the most appropriate recommendation.

**Dear Colleague Letter: Self-Monitoring and Self-Assessing Intelligent Systems Research for the CISE/IIS Robust Intelligence Core Program**


Through this Dear Colleague Letter (DCL), the Division of Information and Intelligent Systems (IIS) within the Directorate for Computer and Information Science and Engineering (CISE) announces its intention to support research on self-monitoring and self-assessing intelligent systems through its Robust Intelligence (RI) core program.

**Dear Colleague Letter: Special Guidelines for Submitting Collaborative Proposals in Renewable Energy under the NSF/CBET - U.S.-Israel Binational International Opportunity**


The Division of Chemical, Bioengineering, Environmental, and Transport (CBET) Division within the Engineering Directorate of the National Science Foundation and the U.S.-Israel Binational Science Foundation are pleased to announce a U.S.-Israel collaborative research opportunity in renewable energy production and storage. The goal is to help reduce some of the current barriers to working internationally. NSF/CBET and BSF will address these issues by allowing U.S. and Israeli researchers to submit a single collaborative proposal that will undergo a single review process. Proposals will be accepted for collaborative, fundamental scientific research on selected renewable energy topics defined by the Energy for Sustainability Program (PD 7644) within CBET and by the BSF Solicitation Call for Proposals in Energy for Sustainability. The goal of the CBET Energy for Sustainability program is to support fundamental research and education that will enable innovative processes for the sustainable production of electricity and transportation fuels. Processes for sustainable energy production must be environmentally benign, reduce greenhouse gas production, and utilize renewable resources.

**Dear Colleague Letter - Support for Engaging Students and the Public in Polar Research**


The Geosciences and Education and Human Resources Directorates are partnering to advance and develop understanding of learning environments that build upon the rich interdisciplinary resources emerging from polar investments. To that end, the Division of Polar Programs (PLR), the Division of Undergraduate Education (DUE) and the Division of Research on Learning (DRL) encourage proposals that will leverage the extensive National Science Foundation (NSF) investment in polar sciences and infrastructure, and STEM education research and development, to promote an informed citizenry and the next generation of polar scientists. In order to advance polar science educational opportunities, PLR, DUE and DRL will accept and review proposals for research and development...
projects that facilitate the use of data from polar regions in (1) undergraduate education or (2) informal science education. Proposals in response to this Dear Colleague Letter must be submitted to either the Improving Undergraduate Science Education: Education and Human Resources (IUSE: EHR) deadline of November 3, 2015, or the Advancing Informal STEM Learning (AISL) deadline of November 4, 2015.

**Dear Colleague Letter: Special Guidelines for Submitting Collaborative Proposals under the NSF/ENG/ECCS - U.S.-Israel BSF International Opportunity**

The Division of Electrical, Communications and Cyber Systems (ECCS) in the Directorate for Engineering (ENG) of the National Science Foundation and the United States-Israel Binational Science Foundation are pleased to announce a U.S.-Israel collaborative research opportunity. The goal is to help reduce some of the current barriers to working internationally. NSF/ENG/ECCS and BSF will address these issues by allowing U.S. and Israeli researchers to submit a single collaborative proposal that will undergo a single review process. Proposals will be accepted for collaborative research in areas at the intersection of NSF/ENG/ECCS and BSF.


The Division of Molecular and Cellular Biosciences (MCB) the Directorate for Biological Sciences (BIO) of the National Science Foundation and the US-Israel Binational Science Foundation are pleased to announce a US-Israel collaborative research opportunity. The goal is to help reduce some of the current barriers to working internationally. NSF/BIO/MCB and BSF will address these issues by allowing US and Israeli researchers to submit a single collaborative proposal that will undergo a single review process.


International collaborations are invited to submit proposals in the all areas described in the following DMR Core Programs:

- Biomaterials (PD 06-7623)
- Ceramics (PD 14-1774)
- Condensed Matter and Materials Theory (PD 09-1765)
- Condensed Matter Physics (PD 03-1710)
- Electronic and Photonic Materials (PD 03-1775)
- Metals and Metallic Nanostructures (PD 09-1771)
- Polymers (PD 03-1773)
- Solid State and Materials Chemistry (PD 10-1762)

**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/
Programs with upcoming campus deadlines include:

- NIH Transdisciplinary Collaborative Centers for Health Disparities Research on Chronic Disease Prevention—Campus Notice of Intent 09/15/2015; Letter of Intent 11/16/2015; Application 12/16/2015

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

- NSF Mid-Scale Innovations Program in Astronomical Sciences (MSIP)—Preliminary Proposal 9/16/2015; Full Application 2/22/2016
- NIH Claude D. Pepper Older Americans Independence Centers—Letter of Intent 9/21/2015; Full Application 10/21/2015
- NIH Institutional Research and Academic Career Development Awards—Full Application 9/24/2015
- NIH Bridges to the Baccalaureate Program—Full Application 9/25/2015
- Santa Barbara Foundation LEAF Grants—Full Application 10/05/2015
- NSF Improving Undergraduate STEM Education: Pathways into Geoscience (IUSE: GEO-PATHS)—Full Proposal 10/05/2015
- NSF ADVANCE Increasing The Participation and Advancement of Women in Academic Science and Engineering Careers—Letter of Intent Institutional Transformation 11/05/2015; Full Proposal Institutional Transformation 01/20/2015
- NSF Management and Operation of the IceCube Neutrino Observatory (ICNO)—Full Proposal 10/07/2015
- NSF Advancing Digitization of Biodiversity Collections (ADBC)—Full Proposal 10/09/2015
- NSF Natural Hazards Engineering Research Infrastructure (NHERI)—Letter of Intent 10/16/2015; Full Proposal 11/04/2015
- NIH Comprehensive Evaluation of Interactions between Engineered Nanomaterials and Biological System (U01)—Letter of Intent 10/30/2015; Full Proposal 11/30/2015
- NIH NINDS Neuroscience Development for Advancing the Careers of a Diverse Research Workforce (R25)—Full Proposal 1/25/2015
Abbey, C.K., Psychological & Brain Sciences, $332,557, UC Davis, "Breast CT: Finals Steps to Translation."

Balents, L., Physics, $354,000, National Science Foundation, "Quantum Phenomenae in Solids."


Booth, D.B. (Donald Bren School of Environmental Science & Management), Dunne, T. (Donald Bren School of Environmental Science & Management), Earth Research Institute, $220,000, USDI National Park Service, "Yosemite Valley Merced River Restoration."


Byl, K., Electrical & Computer Engineering, $454,868, National Science Foundation, "NRI: Collaborative Research: Versatile Locomotion: From Walking to Dexterous Climbing With a Human-Scale Robot."

Cabezon, J. (Religious Studies), Interdisciplinary Humanities Center, $100,483, American Council of Learned Societies, "A study of Sera Monastery."


Chmelka, B.F., Chemical Engineering, $50,000, Chevron Corporation, "Measuring and controlling molecular compositions, structures, and locations of heteroatoms and Pt species in zeolite catalysts using solid-state 2D and 195Pt NMR."

Davis, F.W. (Geography), Earth Research Institute, $63,513, National Science Foundation, "COLLABORATIVE RESEARCH: EAGER-NEON: How do microscale biophysical processes mediate ecosystem shifts during climate change-driven drought?"

Davis, F.W. (Geography), Schildhauer, M., National Center for Ecological Analysis and Synthesis, $3,514,189, National Science Foundation-NSF, "Long Term Ecological Research (LTER) National Communications Office (LNCO)."


Feliciano, E., Student Health Service, $3,100, Santa Barbara County, "Tobacco Cessation for Special Populations."

Fredrickson, G.H. (Chemical Engineering), Materials Research Laboratory, $110,000, Intel Corporation, "Directed Self Assembly Modeling & Simulation."

Gibou, F.G., Mechanical Engineering, $253,133, National Science Foundation, "Collaborative Research: Modeling and simulation of out-of-equilibrium processes in Epitaxy."

Gibson, K.L. (Education), Gevirtz Graduate School of Education, $20,000, UC Riverside, "Teacher Influence on Students' Science Self-Perceptions."

Gottfried, M.A. (Education), Gevirtz Graduate School of Education, $49,967, Spencer Foundation, "Identifying the Socio-Ecological Factors of Chronic Absenteeism."

Han, S. (Chemistry & Biochemistry), Institute for Terahertz Science & Technology, $90,000, U.S.-Israel Binational Science Foundation (BSF), "The role of electron spin dynamics in static and MAS DNP."

Janowicz, K., Geography, $55,288, National Science Foundation, “EarthCube IA: Collaborative Proposal: Cross-Domain Observational Metadata Environmental Sensing Network (X-DOMES).”


Krintz, C., Wolski, R.M., Computer Science, $899,996, National Science Foundation, “CyberSEES:Type2:Collaborative Research: SmartFarm - Research and Education for Sustainable Agriculture Practices.”


Low, D.A., Hayes, C.S., Molecular, Cellular & Developmental Biology, $583,786, National Science Foundation, “Bilateral NSF/BIOS-BBSRC: The roles of contact-dependent inhibition in building mixed bacterial communities.”


McIntosh, W.J., Marine Science Institute, $296,146, Nature Conservancy, “Task 2-Software Development of eCatch Server and Mobile Application.”

Mcmeeking, R.M., Mechanical Engineering, $460,000, Office of Naval Research (ONR), “Micromechanics Investigation of Impact Loading on Ceramic/Composite Materials Supported by Non-Rigid Reinforcement.”

Meinhart, C.D., Mechanical Engineering, $15,000, Air Force, “11th International Symposium on Particle Image Velocimetry.”

Michaelson, J.C. (Geography), Stratton, E., Earth Research Institute (CCBER), $999,989, Department of Fish and Wildlife, “North Campus Open Space Wetlands Restoration.”

Napoli, M.T. (Institute for Collaborative Biotechnologies), Arya, D.J. (Education), California Nanosystems Institute, $443,907, Office of Naval Research (ONR), “Problem-based Initiatives for Powerful Engagement and Learning In Naval Engineering and Science (PIPELINES).”


Passow, U., Marine Science Institute, $663,945, National Science Foundation, “Collaborative Research: Effects of multiple stressors on marine phytoplankton.”


Shraiman, B.I., Kavli Institute for Theoretical Physics, $1,668,750, Gordon and Betty Moore Foundation, “Building Scientific Community at the Interface of Theoretical Physics and Quantitative Biology.”

Shraiman, B.I., Bildsten, L., Kavli Institute for Theoretical Physics, $754,184, National Institutes of Health, “KITP Interdisciplinary Biology Initiative.”

Shukla, S., Geography, $50,000, UC San Diego, “Drought Early Warning for the California Region.”


Sorlien, C.C., Earth Research Institute, $87,059, National Science Foundation, “Collaborative Research: The North Anatolian Fault system in the Marmara Sea, Turkey - Insights from the Plio-Quaternary evolution of a multi-stranded transform.”

Tague, C. (Donald Bren School of Environmental Science & Management), Earth Research Institute, $70,000, USDI Geological Survey, “The Western Mountain Initiative: Vulnerability and Adaptation to Climate Change in Western Mountain Ecosystems.”

Tague, C. (Donald Bren School of Environmental Science & Management), Anderson, S.E. (Donald Bren School of Environmental Science & Management), Earth Research Institute, $1,724,821, National Science Foundation, “Hazards SEES: Land Management Strategies for Confronting Risks and Consequences of Wildfire.”

Tanimoto, T. (Earth Science), Earth Research Institute, $15,037, UC MEXUS, “Monitoring Hurricanes by the US and Mexican Seismic Networks.”


Weld, D. (Physics), California Nanosystems Institute, $199,439, Army, “Alkaline Earth Quantum Gas Microscope for High-Resolution Imaging of Ultracold Strontium.”

Xie, Y., Electrical & Computer Engineering, $548,000, National Science Foundation, “XPS: FULL: DSD: Collaborative Research: Parallelizing and Accelerating Metagenomic Applications.”

Yan, X., Computer Science, $499,978, National Science Foundation, “III: Small: Knowledge Graph Query Processing and Benchmarking.”

Yang, T., Tessaro, S.M., Computer Science, $499,998, National Science Foundation, “III: Small: Low-cost deduplication and search for versioned datasets.”
Helpful Hints

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

### Department of Defense (DOD)

**Ongoing**

**Research Interests of the Air Force 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.
Defense University Research Instrumentation Program (DURIP)
Department of Defense (DoD)
Contact: Katie Wisecarver, 703/696-9544
Solicitation number: PA-AFRL-AFOSR-2015-0001
This announcement seeks proposals to purchase instrumentation in support of research in areas of interest to the DoD, including areas of research supported by the administering agencies. The research areas of interest to the administering agencies are available for reference on-line at the following addresses:

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

Office of Naval Research:
http://www.onr.navy.mil/ (select "Contracts and Grants" and then "Broad Agency Announcements") See Long Range Broad Agency Announcement for Navy and Marine Corps Science and Technology

Air Force Office of Scientific Research:

Grants will be for the purchase of research equipment costing $50K or more, which typically cannot be purchased within the budgets of single-investigator awards. With few exceptions an individual award may not exceed $1.5M in DoD funding. The average award amount is $290K.

Air Force Fiscal Year 2016 Young Investigator Research Program
Department of Defense (DoD)
http://www.grants.gov/search-grants.html?agencies%3DDOD%7CDepartment%20of%20Defense
Contact: Ellen Montgomery, 703/588-8527, afosryip@us.af.mil
Solicitation number: BAA-AFRL-AFOSR-2015-0003
The program supports scientists and engineers who have received Ph.D. or equivalent degrees no earlier than 01 January 2010 and showed exceptional ability and promise for conducting basic research. The objective of this program is to foster creative basic research in science and engineering, enhance early career development of outstanding young investigators, and increase opportunities for the young investigators to recognize the Air Force mission and the related challenges in science and engineering. The estimated value of each award is approximately $120K per year for three years

Psychological Health/Traumatic Brain Injury Research Program
Department of Defense (DoD)
Contact: 301/682-5507, help@BRAP.org
Solicitation number: W81XWH-15-PHTBIRP-CUPHPI
The PH/TBIRP was established by Congress in Fiscal Year 2007 (FY07) in response to the devastating impact of traumatic brain injury (TBI) and psychological health (PH) issues, including post-traumatic stress disorder (PTSD), on deployed Service members in Iraq and Afghanistan. The PH/TBIRP mission is to establish, fund, and integrate both individual and multiagency research efforts that will lead to improved prevention, detection, and treatment of PH/TBI. The vision of the PH/TBIRP is to prevent, mitigate, and treat the effects of traumatic stress and traumatic brain injury on function, wellness, and overall quality of life for Service members as well as their caregivers and families. The DHA RDA Directorate leverages PH/TBIRP funding to complement DHP core research and development funding assigned to study PH and TBI. The anticipated direct costs budgeted for the entire period of performance will not exceed $1.5M over a maximum period of three years.
**Extreme DDoS Defense (XD3)**
Defense Advanced Research Projects Agency (DARPA)
https://www.fbo.gov/index?s=opportunity&mode=form&id=b569a8b6ea2c5d3f2ee7fb37a5120968&tab=core&_cview=0
Contact: Stuart Wagner, xd3@darpa.mil
Solicitation number: DARPA-BAA-15-56

The XD3 program considers three broad areas of opportunity to improve resilience against DDoS attacks: weakness of current art, XD3 concept, and rationale and impact. Each of these opportunities addresses a common aspect of current cyber infrastructure that inherently limits our ability to defend against DDoS attacks. In general, the program aims to thwart DDoS attacks by dispersing cyber assets (physically and/or logically), disguising the characteristics and behaviors of those assets, and mitigating the attacks (especially low-volume attacks) that still penetrate the targeted environment. Each opportunity also constitutes a distinct XD3 program technical area. For additional information on program structure, including a full listing of all XD3 technical areas as well as constraints on BAA responses to each area, please refer to the full solicitation.

**Stand-Off and Remote Improvised Explosive Device Detection and Neutralization**
Department of Defense (DoD)
http://www.grants.gov/web/grants/view-opportunity.html?oppId=278566
Contact: Joong Kim, joong.kim@navy.mil
Solicitation number: N00014-15-R-SN16

Office of Naval Research along with many government agencies have invested in research and development of various concepts of detecting explosive threats (mines, IEDs, and Home-Made Explosives) and their related components (metallic and none-metallic) at stand-off distances. While improvement in sensitivity and selectivity of explosive detection sensors have increased, challenges still remain to acquire relevant information rapidly enough to maintain an operational tempo while maintaining a safe stand-off distance in expeditionary operation (vehicle or other small platform operation). In order to address these challenges, this announcement is seeking innovative research topics that can address the following research areas. ONR plans to fund multiple awards up to $250K per year, however, proposals outside of this cost range will be considered. The period of performance for projects may be up to three years.

**Reconstructive Transplant Research Idea Discovery Award**
Department of Defense (DoD)
Contact: 301/682-5507, help@BRAP.org
Solicitation number: W81XWH-15-RTR-IDA

The RTR program was initiated in 2012 to fund innovative projects that have the potential to make a significant impact on improving the function, wellness, and overall quality of life for injured military Service members and Veterans, their caregivers and family members, and the American public. The JPC-8/CRMRP mission is to implement long-term strategies to develop knowledge and materiel products to reconstruct, rehabilitate, and provide definitive care for injured Service members. The ultimate goal is to return Service members to duty and restore their quality of life. Through the RTR program, the JPC-8/CRMRP challenges the scientific community to design innovative research that will foster new directions for, and address neglected issues in, the field of reconstructive transplantation (RT), specifically vascularized composite allotransplantation (VCA)-focused research, also known as composite tissue allotransplantation. VCA refers to the transplantation of multiple tissues such as muscle, bone, nerve, and skin, as a functional unit (e.g., a hand or face) from a deceased donor to a recipient with a severe injury. Funding is $450K in total costs over a period of 2 years.
**NSA Mathematical Sciences Program**

National Security Agency

[https://sam.msp.org/nsa-ams/about/program/guidelines.html](https://sam.msp.org/nsa-ams/about/program/guidelines.html)

Contact: Charles Toll, 443-634-4390, chtoll@nsa.gov

Solicitation number:

The program supports self-directed, unclassified research in the areas of Algebra, Number Theory, Discrete Mathematics, Probability and Statistics. The program does not support research in cryptology. As of 2015, the FOA will accept proposals for Young Investigator Grants and proposals for conferences, research experiences for undergraduates, and special situations only. Applications for the Standard Grant will not be accepted; next year, it is expected that applications for Standard Grants will be accepted. The Young Investigator Grant award is available to promising investigators within ten years after receiving the Ph.D. The basic award has a bottom line figure of $20K per year for each of two years. Awards cover the direct costs of up to two months of summer salary per year plus fringes, up to $4K for travel expenses, and up to $2.5K for other expenses, such as computers or software.

**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.

**The National Security Science and Engineering Faculty Fellowship (NSSEFF) Program**

Office of Naval Research (ONR)


Contact: Ellen Livingston, ellen.s.livingston@navy.mil

Solicitation number: N0001415RFO11

This FOA seeks outstanding and distinguished researchers for the purpose of conducting innovative basic research in areas of interest to the Department of Defense (DoD) and fostering long-term relationships between the NSSEFF Fellows and the DoD. Objectives of the program are to: support scientific research that may lead to extraordinary outcomes, educate and train outstanding student and post-doctoral researchers for the defense and national security workforce, foster long-term relationships between outstanding university researchers and the DoD, familiarize select university researchers and their students with DoD’s current and future challenges, and increase the number of exceptionally talented technical experts that are contributing to DoD’s mission. It is anticipated that the maximum award will be $3M per five years.
Multidisciplinary Research Program of the University Research Initiative (MURI) FY16

Department of Defense (DoD)


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 Nanooptoelectronics
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 Energy (DOE)
The overall strategic goal of the Bioenergy Technology Office (BETO) is to develop commercially viable bioenergy and bioproducts to enable sustainable, nationwide production of biofuels that are compatible with today’s transportation infrastructure, can reduce GHG (greenhouse gas) emissions relative to petroleum-derived fuels, and can displace a share of petroleum-derived fuels to reduce U.S. dependence on foreign oil and encourage the creation of a new domestic bioenergy industry. BETO has targeted a performance goal of validating, at pilot scale, at least one technology pathway for hydrocarbon biofuel at a mature modeled cost of $3/GGE (gasoline gallon equivalent) with GHG emissions reduction of 50% or more compared to petroleum-derived fuel by 2017, and validating two additional pathways by 2022. These high level strategic and performance goals are expanded in further detail in BETO’s multi-year program plan (MYPP). However, BETO recognizes that there may be very novel and potentially disruptive ideas that do not necessarily satisfy the requirement of specific FOAs yet still meet BETO’s goals and mission. The program is intended to identify these potentially impactful ideas that are not meaningfully addressed in BETO’s strategic plan or project portfolio. It is NOT intended to fund projects that are incremental improvements to current products or processes or for established work in BETO’s strategic plan or current portfolio. Individual awards may vary between $1M or less and $2M.

Innovative Development in Energy-Related Applied Science (IDEAS)

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.

DOE Traineeship in Robotics

The purpose of this FOA is to award one or more cooperative agreements to accredited U.S. Colleges and Universities to train graduate students in specific disciplines or sub-disciplines aligned with U.S. Department of Energy (DOE) science, technology, engineering and mathematics (STEM) workforce needs in the area of Robotics, particularly as they apply to the mission of DOE’s Office of Environmental Management (EM). Robotics engineers with education and advanced degrees in hardware, software, and integration of robotics are needed to enable the design, manufacturing, and deployment of advanced radiation robotics. This DOE Traineeship program will support innovative proposals for graduate level training that leverage DOE assets and capabilities and strategic partnerships, and address emerging needs in graduate training to enable preparedness for STEM careers beyond those in academia. A maximum of $55K per student per year will be awarded. The $55K per student per year assumes 12-month student participation, a $30K to $35K stipend per year, and no more than $2K to $3K for traineeship-related travel.
Industrial Natural Gas Energy Efficiency Grants

Department of Energy


Contact: Janna Franks, 916/654-4921, janna.franks@energy.ca.gov

Solicitation number: GFO-15-501

This FOA is soliciting proposals to demonstrate pre-commercial and/or emerging energy efficient technologies that can directly reduce natural gas use in California’s industrial sectors. For purposes of this solicitation, “energy efficient” technologies are those that either use less natural gas to provide the same service at an industrial, agriculture and water facility, or provide more services with the same amount of natural gas input. This solicitation excludes energy generation projects or those that produce renewable natural gas, such as biogas, as a substitute for natural gas. Funded technologies must be past the “proof-of-concept” stage and ready to be demonstrated in industrial settings under “real-world” operational conditions. Projects will accelerate commercialization of natural gas-related, energy efficient industrial, agriculture and water/wastewater processes. Eligible technologies must have completed performance testing (e.g., field, lab, bench-scale, pilot-scale) and have verified data to justify that the technology is ready for demonstration in various industrial settings. Additionally, independent third-party measurement and verification (M&V) is required to address the natural gas savings and economic benefits at each demonstration site. There will be a $500K minimum but no more than $2M for each project.

Global Chemical Security Effectiveness Study

Department of State

http://www.grants.gov/web/grants/view-opportunity.html?oppId=278371

Contact: Ryan Taugher, 202/647-1362, TaugherRC@state.gov

Solicitation number: ISN-ISNCTR-15-007

The Department of State’s Bureau of International Security and Nonproliferation (ISN) Office of Cooperative Threat Reduction (CTR) is pleased to announce an open competition for assessing the effectiveness of ISN/CTR’s Chemical Security Program (CSP) through this Request for Proposals (RFP). CSP seeks to reduce global chemical threats by preventing unauthorized access to weaponizable chemicals, weapons-applicable expertise, and/or related infrastructure. This assessment will focus on CSP’s work in three countries including activities designed to engage key academic, industry, and government stakeholders. The three countries that are part of this examination represent advanced, intermediate, and introductory CSP partners, and this survey will be contacted remotely (email, phone, video teleconferencing, via local survey firms, etc), rather than through in-country visits. This analysis will provide program managers with solid empirical basis to assess CSP’s effectiveness. ISN/CTR has up to $215K available to award one cooperative agreement in this field.

DOI Small Grants Program

Department of the Interior


Contact: Rodecia Mcknight, 703/358-2266, rodecia_mcknight@fws.gov

Solicitation number:

The North American Wetlands Conservation Council created the Small Grants Program in 1996 to encourage new grantees and partners to carry out smaller-scale, long-term wetlands conservation projects that may otherwise not be able to compete in the U.S. Standard Grants Program. The program is a competitive, matching grants program that supports public-private partnerships carrying out projects in the United States that further the goals of the North American Wetlands Conservation Act. These projects must involve long-term protection, restoration, and/or enhancement of wetlands and associated uplands habitats for the benefit of all wetlands-associated migratory birds. Grant requests may not exceed $75K, and funding priority is given to grantees or partners new to the Act’s Grants Program.
The NEA will make awards to support research that investigates the value and/or impact of the arts, either as individual components within the U.S. arts ecology or as they interact with each other and/or with other domains of American life. The agency has determined that all grants awarded under this category will have the following for their primary outcome: Evidence of the value and/or impact of the arts is expanded and promoted. The Arts Endowment anticipates awarding up to 20 grants, based on the availability of funding. Grants generally will range from $10K to $30K and cover a period of two years.

### National Endowment for the Humanities (NEH)

#### 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

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)

#### Technologies for Healthy Independent Living (R01)

Technologies for Healthy Independent Living (R01)

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PAR-14-118

This FOA encourages applications for research and development of technologies that monitor health or deliver care in a real-time, accessible, effective, and minimally obtrusive way. These systems are expected to integrate, process, analyze, communicate, and present data so that the individuals are engaged and empowered in their own healthcare with reduced burden to care providers. The maximum duration of a project period solicited under this FOA is five years. This FOA runs in parallel with PAR-14-119, which solicits applications under the R21 Exploratory/Developmental Grant.
**NIMH Biobehavioral Research Awards for Innovative New Scientists (NIMH BRAINS) (R01)**

This award is intended to support the research and research career development of outstanding, exceptionally productive scientists who are in the early, formative stages of their careers and who plan to make a long term career commitment to research in specific mission areas of the NIMH. This award seeks to assist these individuals in launching an innovative clinical, translational, basic or services research program that holds the potential to profoundly transform the understanding, diagnosis, treatment, or prevention of mental disorders. The maximum award is $1.625M for up to five years.

Kathleen Anderson, 301/443-5944, kanders1@mail.nih.gov

**Dual Purpose with Dual Benefit Research in Biomedicine and Agriculture Using Agriculturally Important Domestic Species**

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

**Institutional Research and Academic Career Development Awards (IRACDA) - Limited Submission**

The purpose of this program is to develop a diverse group of highly trained biomedical and behavioral scientists to address the Nation’s biomedical workforce needs. The strategy is to promote effective partnerships between research-intensive institutions (RII) and institutions that have a historical mission or a demonstrated commitment to educating students from diverse backgrounds underrepresented in the biomedical and behavioral research enterprise of the nation. The IRACDA program provides support for a traditional mentored postdoctoral research experience at an RII combined with an opportunity for these fellows to develop critical academic skills, including teaching, through workshops and through mentored teaching assignments at a partner institution. The primary goals of the IRACDA program are to (1) develop a group of highly trained biomedical and behavioral scientists who have the necessary knowledge and skills to pursue independent research and teaching careers in academia; and (2) strengthen and modernize science educational offerings at partner institutions, and promote links between RII and the partner institution(s). Application budgets are not limited, but need to reflect the actual needs of the proposed project. The maximum project period is five years.
Ruth L. Kirschstein National Research Service Award Short-Term Institutional Research Training Grants (Parent T35)

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PA-14-016

The NIH will award the grant to eligible institutions to develop or enhance research training opportunities for predoctoral and postdoctoral level individuals interested in careers in biomedical, behavioral and clinical research. Many of the NIH Institutes and Centers (ICs) use this grant mechanism exclusively to support intensive, short-term research training experiences for students in health professional schools during the summer. In addition, the Short-Term Institutional Research Training Grant may be used to support other types of predoctoral and postdoctoral training in focused, often emerging scientific areas relevant to the mission of the funding IC. The proposed training must be in basic, behavioral or clinical research aspects of the health-related sciences. Because of the differences in IC program requirements for this FOA, prospective applicants MUST consult the Table of IC-Specific Information, Requirements and Staff Contacts (http://grants.nih.gov/grants/guide/contacts/parent_T35.html), to make sure that their application is appropriate for one of the

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

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


Contact: Regina Bures, 301/496-9485, regina.bures@nih.gov

Solicitation number: PAR-11-292

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

NICHD Research Short Courses (R25)

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


Contact: Dennis Twombly, 301/451-3371, dtwombly@mail.nih.gov

Solicitation number: PA-12-207

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

**National Research Service Award (NRSA) Short-Term Institutional Research Training Grant (T35)**

National Institutes of Health, Cross-Institute, National Eye Institute (NEI), National Heart, Lung, and Blood Institute (NHLBI)


Contact: Varies with research interest

Solicitation number: PA-14-016

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

**NIDDK Research Education Program Grants for Summer Research Experiences (R25)**

National Institutes of Health


Contact: Arthur Castle, 301/594-7719, castlea@mail.nih.gov

Solicitation number: PAR-15-140

This program supports research education activities in the mission areas of the NIH. The over-arching goal of this NIDDK Research Education R25 program is to support educational activities that complement and/or enhance the training of a workforce to meet the nation’s biomedical, behavioral and clinical research needs. To accomplish the stated over-arching goal, this FOA will support creative educational activities that propose summer research experiences in the research areas relevant to the NIDDK. The maximum award per year is $100K for up to five years.
**Novel Nucleic Acid Sequencing Technology Development (R01)**

National Institutes of Health


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

Solicitation number: RFA-HG-15-032

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


**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.

**Postbaccalaureate Research Education Program (PREP) - Limited Submission**

National Institutes of Health


Contact: Michael Bender, 301-594-0943, mbender@nigms.nih.gov

Solicitation number: PAR-13-085

This program supports research education activities in the mission areas of the NIH. The goal of this NIGMS R25 program is to support educational activities that enhance the diversity of the biomedical, behavioral and clinical research workforce. To this end, this funding opportunity announcement encourages the development of creative educational activities with a primary focus on Research Experiences and Courses for Skills Development. Applications are encouraged from research-intensive institutions that propose to develop recent baccalaureate science graduates from diverse backgrounds underrepresented in biomedical and behavioral sciences so that they have the necessary knowledge and skills to pursue PhD or MD-PhD degrees in these fields. The program provides support for well-designed courses for skills development and extensive research experiences aimed at preparing individuals from diverse backgrounds to complete doctoral degrees. Total direct costs are limited to $400K per year, for a maximum of five years.
Short-term Measurements of Improved Physical and Molecular Resilience in Pre-clinical Models (R01)

National Institutes of Health


Contact: Felipe Sierra, 301/451-4515, sierraf@nia.nih.gov

Solicitation number: RFA-AG-16-006

This FOA invites applications to develop short-term surrogate tests that provide a comprehensive measure of resilience in animal models of aging. Applicants may also include aims to assess resilience in humans to identical or analogous stressors to those proposed for their animal model studies. Resilience is defined here as the ability of an organism to adequately respond to physical or molecular challenges or stresses. Greater resilience has been hypothesized to correlate with longevity and better healthspan, but appropriate methodology to test this in animal models is currently lacking. The purpose of this FOA is to develop tests that can be used to measure resilience to physical or molecular stresses, but does not include psychological or social stressors. The outcomes should lead to short-term tests of resilience that are predictive of subsequent health. In the context of animal studies, this predictability should be tested against manipulations known to increase lifespan and healthspan. The award maximum is $250K per year over 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)

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.

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

Program for Extramural & Intramural Alcohol Research Collaborations (U01)

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.

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

Collaborative Interdisciplinary Team Science in NIDDK Research Areas (R24)

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

Gene-Environment Interplay in Substance Use Disorders (R01)

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.

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

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


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

Solicitation number: PAR-15-306

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

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.

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

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


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

Solicitation number: PAR-13-007

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

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 Zieman, 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 R34 Clinical Trial Planning 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, k Bryant@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.
**Program for Extramural & Intramural Alcohol Research Collaborations (U01)**

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


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

Solicitation number: PAR-13-133

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

**Bioengineering Research Grants (BRG) (R01)**

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PAR-13-137

The purpose of this 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.

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.

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 models systems such as rodents and cell lines; no human studies are involved. Studies developing new model systems or refining existing models to maximize their value for aging research will contribute to the understanding of normal changes in physiology and function with age and the onset, progression, therapeutics and prevention of age-associated diseases. Application budgets are not limited; the maximum project period is five years. This FOA runs in parallel with a FOA of identical scientific scope, PA-13-209, that utilizes the R21 Exploratory/Developmental Grant mechanism.

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.
Outcome Measures for Use in Treatment Trials for Individuals with Intellectual and Developmental Disabilities (R01)
National Institutes of Health, Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), National Institute on Disability and Rehabilitation Research (NIDRR), National Institute on Drug Abuse (NIDA), National Institute of Mental Health (NIMH), National Institute of Neurological Disorders and Stroke (NINDS), National Institutes of Health, National Institute of General Medical Sciences (NIGMS), National Institute of Allergy and Infectious Diseases (NIAID), National Institute on Aging (NIA), National Institute of Nursing Research (NINR), National Library of Medicine (NLM), National Institute of Environmental Health Sciences (NIEHS), National Human Genome Research Institute (NHGRI)
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 (R01)
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.

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

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)

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)

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 (NIMH)


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 FCSM 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

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

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-14-153, that utilizes the R21 Exploratory/Developmental Grant mechanism.

Biology of Manual Therapies (R01)

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-14-168, 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.
Research on Chronic Overlapping Pain Conditions (R01)

National Institutes of Health

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

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

Solicitation number: PA-14-244

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

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

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.
**Alcohol Use Disorders: Behavioral Treatment, Services and Recovery Research**

National Institutes of Health


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

Solicitation number: PA-15-299

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

**End-of-Life and Palliative Needs of Adolescents and Young Adults (AYA) with Serious Illnesses (R01)**

National Institutes of Health


Contact: Lynn Adams, 301/594-8911, lynn.adams@nih.gov

Solicitation number: PA-15-324

The purpose of this FOA is to foster research on the unique perspectives, needs, wishes, and decision-making processes of adolescents and young adults (AYA; defined by the World Health Organization and the Centers for Disease Control and Prevention as youth between 12 – 24 years of age) with serious, advanced illnesses; and research focused on specific end-of-life/palliative care (EOLPC) models that support the physical, psychological, spiritual, and social needs of AYA with serious illness, their families and caregivers. Application budgets are not limited but need to reflect the actual needs of the proposed project. This FOA runs parallels with a FOA of identical scope, PA-15-325, that utilizes the R21 Exploratory/Developmental Grant mechanism.

**Improving Health and Reducing Cardiometabolic Risk in Youth with Serious Emotional Disturbance and Young Adults with Severe Mental Illness (RFA-MH-16-600)**

National Institutes of Health


Contact: Susan Azrin, 301/443-3267, azrinst@mail.nih.gov

Solicitation number: RFA-MH-16-600

This FOA aims to support research grants focused on rigorous effectiveness testing of innovative services interventions that demonstrably reduce the prevalence and magnitude of common health risk factors related to shortened lifespan in youth with serious emotional disturbance (SED) and young adults with severe mental illness. These risk factors include, but are not limited to, smoking, obesity, hypertension, dyslipidemia, low physical activity, substance use, poor fitness and diet. This FOA aims to generate the service delivery knowledge necessary to achieve 100% screening of this population for common, cardiometabolic risks and 100% referral to appropriate care to manage the identified risks. This FOA aims to support population-based approaches to prevention, identification and intervention, i.e., targeting cardiometabolic risk in entire populations of youth with SED and/or young adults with SMI within a given community or healthcare setting. Application budgets are not limited but need to reflect the actual needs of the proposed project.
BRAIN Initiative: Short Courses in Computational Neuroscience (R25)

The over-arching goal of this program is to support educational activities that complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on Courses for Skills Development. This FOA will support short courses to facilitate the development of a sophisticated cadre of investigators with the requisite knowledge and skills in computational neuroscience perspectives and techniques for analyzing and interpreting complex, high-dimensional neuroscience data to advance the BRAIN Initiative. For the purposes of this FOA, computational neuroscience encompasses theoretical neuroscience, computational and mathematical modeling of neural systems, and/or statistical perspectives and techniques. Each short course is expected to include both didactics and in-person/hands-on experiences. This FOA is intended for participants who are graduate students, medical students, postdoctoral scholars, medical residents, and/or early-career faculty. Application budgets are limited to $200K in direct costs annually over a maximum period of 3 years.

Mentored Quantitative Research Development Award (Parent K25)

The purpose of this award is to attract to NIH-relevant research those investigators whose quantitative science and engineering research has thus far not been focused primarily on questions of health and disease. The K25 award will provide support and "protected time" for a period of supervised study and research for productive professionals with quantitative (e.g. mathematics, statistics, economics, computer science, imaging science, informatics, physics, chemistry) and engineering backgrounds to integrate their expertise with NIH-relevant research. Prospective candidates are encouraged to contact the relevant NIH staff for IC-specific programmatic and budgetary information.

NINDS Faculty Development Award to Promote Diversity in Neuroscience Research (K01)

The purpose of this award is to diversify the pool of independent neuroscience research investigators and to enhance the opportunity to obtain independent NIH or other independent research support by providing junior faculty with research cost support, protected research time and career stage appropriate professional development mentorship in neuroscience research. Individuals from backgrounds underrepresented in biomedical research are eligible for support under this award if they have doctoral research degrees (Ph.D. or equivalent) and are in the first 3 years of a faculty tenure track or equivalent position at the time of award. Prior to preparing an application, individuals are strongly encouraged to contact the program officials to discuss their training and career development needs. The total project period may not exceed three years. NIH will contribute up to $85K per year toward the salary and up to $100K per year toward the research development costs of the award recipient.
Chemistry, Toxicology, and Addiction Research on Waterpipe Tobacco (R01)

National Institutes of Health


Contact: Rachel Grana, 240/276-5899, granar@mail.nih.gov

Solicitation number: RFA-OD-15-005

This FOA encourages biomedical, behavioral, and social science research that informs the development and evaluation of regulations on waterpipe (or hookah) tobacco products. Research projects must address research priorities related to the regulatory authority of the FDA, CTP as mandated by the FSPTCA, Public Law 111-311. The research findings generated from this FOA are expected to provide scientific underpinnings to inform the regulation of the manufacture, distribution, and marketing of waterpipes to protect public health. Application budgets are not to exceed $300K in direct costs per year and the maximum project period is three years.

Early Career Award in Chemistry of Drug Abuse and Addiction (ECHEM) (R21 & R33)

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


Contact: Kristopher J. Bough, 301/443-9800, boughk@mail.nih.gov

Solicitation number: PAR-13-350

This FOA seeks to facilitate the entry of new-to-NIH investigators into basic chemistry research applied to drug abuse and addiction. It is intended to encourage early career chemists (or chemists new to NIH) to develop probes that aid basic research investigations on drug abuse and/or identify new or better templates as lead compounds with potential for conducting structure activity relationship (SAR)-function studies. Awards will support milestone driven exploratory/feasibility “proof of concept” studies (R21), with possible rapid transition to expedited development (R33). For the R21 award, direct costs are limited to $250K over a two-year period with a maximum of $200K per year. The R33 award phase will be limited to $250K in direct costs per year.

Pilot and Feasibility Studies in Preparation for Drug and Alcohol Abuse Prevention Trials (R34)

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


Contact: Varies with research interest

Solicitation number: PA-15-177

This FOA for R34 applications seeks to support: (a) pilot and/or feasibility testing of new, revised, or adapted preventive intervention approaches targeting the initiation of drug and alcohol use, the progression to abuse or dependence, and the acquisition or transmission of HIV infection among diverse populations and settings; and (b) pre-trial feasibility testing for prevention services and systems research. This R34 mechanism does not support the development of intervention protocols, manuals, or the standardization of protocols. It is expected that research conducted via this R34 mechanism will consist of early stage efficacy, effectiveness or services research that will provide intervention pilot and/or feasibility data that is a pre-requisite for submitting larger drug or alcohol abuse and/or drug- or alcohol-related HIV prevention intervention studies. Particularly highlighted are prevention interventions targeting the health care system. Applicants may request direct costs of up to $450K for a maximum period of three years.
Exploratory & Developmental Bioengineering Research Grants (EBRG) [R21]

National Institutes of Health, Cross-Institute


Contact: Varies with research interest

Solicitation number: PA-12-284

The purpose of this FOA is to encourage Exploratory/Developmental Bioengineering Research Grants (EBRG) applications which establish the feasibility of technologies, techniques or methods that: 1) explore a unique multidisciplinary approach to a biomedical challenge; 2) are high-risk but have a considerable pay-off; and 3) develop data which can lead to significant future research. An EBRG application may propose hypothesis-driven, discovery-driven, developmental, or design-directed research and is appropriate for evaluating unproven approaches for which there is minimal or no preliminary data. 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 a FOA of identical scientific scope, PAR-10-234, which utilizes the R01 Bioengineering Research Partnerships mechanism.

Selected Topics in Transfusion Medicine (R21)

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


Contact: Shimian Zou, 301/435-0065, zousn@nhlbi.nih.gov

Solicitation number: PAR-13-025

This FOA encourages research grant applications from investigators who propose to study research topics in blood banking and transfusion medicine aimed at improving the safety and availability of the blood supply and the practice of transfusion medicine. Specifically, research focused on improving blood donor health, the safety and availability of blood products, and improving the practice of transfusion medicine is critical to public health. Research designed to better understand the determinants of transfusion-associated adverse events and how best to minimize transfusion risks is also important. Research is also needed to maintain an adequate blood supply by minimizing the risks associated with the donation process and developing enhanced recruitment and retention programs. The total project period for an application submitted in response to this funding opportunity may not exceed two years. Direct costs are limited to $275K over an R21 two-year period, with no more than $200K in direct costs allowed in any single year.

NEI Research Grant for Secondary Analysis (R21)

National Institutes of Health, National Eye Institute (NEI)


Contact: Varies with research interest

Solicitation number: PAR-13-035

This FOA encourages applications from institutions/organizations that propose to conduct secondary data analyses utilizing existing database resources. Applications may be related to, but must be distinct from, the specific aims of the original data collection. The NEI supports an extensive portfolio of clinical trials and large-scale epidemiologic research projects, wherein numerous data collection activities are required to meet each project’s specific aims. The resultant wealth of data generated by these studies often provides unique, cost-effective opportunities to investigate additional research questions or develop new analytical approaches secondary to a project’s originally-intended purpose. Data are not limited to those collected under NEI support but such data are of the highest programmatic interest. The R21 may be used to develop new statistical methodologies or to test hypotheses using existing data, but this FOA may not be used to support the collection of new data. The combined budget for direct costs for the two-year project period may not exceed $275K. No more than $200K may be requested in any single year. The maximum project period is two years.
NIDCR Small Research Grants for Data Analysis and Statistical Methodology Applied to Genome-wide Data (R03)

National Institutes of Health, National Institute of Dental and Craniofacial Research (NIDCR)


Contact: Emily Harris, 301/594-4846, emily.harris@nih.gov

Solicitation number: PAR-13-044

The NIDCR, and other NIH Institutes/Centers, support genome-wide studies relevant to human dental or craniofacial conditions or traits. The genotype and phenotype data are available through the NIH (e.g., dbGaP) and/or through the parent study. The resultant wealth of data generated by these studies often provides unique, cost-effective opportunities to investigate additional research questions, apply new analytic methods, combine data across studies to more powerfully address research questions, or develop new analytical approaches. This mechanism may be used to support secondary analyses of data derived from NIDCR-funded studies or of data derived from other sources. Experimental validation of new methods or statistical analyses may be proposed, but the focus of the project should be on statistical methods development or secondary data analysis. The purpose of this FOA is to provide support for meritorious research projects that involve secondary data analyses of genome-wide data (e.g., existing data from genome-wide association studies), relevant to human dental or craniofacial conditions or traits. Development of statistical methodology appropriate for analyzing genome-wide data, relevant to human dental or craniofacial conditions or traits, may also be proposed. Budgets for direct costs of up to $200K per year and a project duration of up to two years may be requested for a maximum of $300K direct costs over a two-year project period.

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.

Indo-U.S. Vaccine Action Program (VAP) Small Research Grant Program (R03)

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


Contact: Edward McSweegan, 301/402-8370, emcsweegan@niaid.nih.gov

Solicitation number: PA-13-179

Applications are encouraged from organizations/institutions that propose to conduct vaccine-related research through U.S.-Indo collaborations on the following: dengue, influenza (including avian influenza), malaria, enteric diseases, HIV/AIDS, and tuberculosis. Basic, translational, clinical, or epidemiological vaccine research may be proposed. Budgets for direct costs of up to $50K per year and a project duration of up to two years may be requested for a maximum of $100K direct costs over a two-year project period.
The Role of Extracellular RNA in Mediating the Health Effects of Alcohol (R21)

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


Contact: Philip Brooks, 301/402-0883, pjbrooks@mail.nih.gov

Solicitation number: PA-13-197

The purpose of this FOA is to provide support for innovative research into the role of extracellular RNA (exRNA) in the development of alcohol-related diseases and end-organ injuries. As used here, the term exRNA refers to RNA molecules circulating outside of cells, either within vesicles or associated with carrier molecules. It is anticipated that this FOA will generate data that may lead to breakthroughs in our understanding of the role of exRNA communication in the initiation, progression and maintenance of the diverse medical disorders caused by excessive, long-term alcohol consumption. In the future this knowledge may be critical in the diagnosis, treatment and management of vulnerable patient populations debilitated by the vast array of alcohol-induced pathologies and enable clinicians to improve disease outcomes and, consequently, public health. In addition, research supported by this FOA may also provide information on the mechanistic basis of the health benefits of moderate alcohol consumption. Direct costs may not exceed $200K in any year or $275K over the 2 year project period.

Aging Research Dissertation Awards to Increase Diversity (R36)

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


Contact: Chyren Hunter, 301/402-4158, hunterc@nia.nih.gov

Solicitation number: PAR-13-152

Substantial evidence indicates that biomedical research, including research on aging in particular, will benefit from broader representation of individuals from diverse ethnic, cultural, and socioeconomic backgrounds. As part of NIA's Health Disparities Strategic Plan, this Funding Opportunity Announcement announces the availability of dissertation awards (R36) to support individuals whose advancement in research will help ensure that a diverse pool of highly trained scientists is available in scientific disciplines relevant to NIA's strategic priorities to address NIA's mission. That mission includes research on the basic biology of aging, on chronic, disabling, and degenerative diseases of aging, with a particular focus on Alzheimer's Disease, on multiple morbidities, on individual behavioral and social changes with aging, on caregiving, on longevity, and on the consequences for society of an aging population. Total allowable costs per year are the current Fiscal Year National Research Service Award (NRSA) predoctoral stipend level and up to $20K for additional expenses. Support will be provided for up to two years.

Identification of Genetic and Genomic Variants by Next-Gen in Sequencing Non-human Animal Models (U01)

National Institutes of Health


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

Solicitation number: PAR-15-120

The goals of this initiative are to identify gene variants of traits associated with addiction and substance abuse in selectively bred, and outbred non-human animal models using methodologies of Next Gen-Sequencing, mapping, and genotyping. The maximum project period is five years.

Collaborative Projects to Accelerate Research in Organ Fibrosis (R01)

National Institutes of Health


Contact: Bishow B. Adhikari, 301/435-0504, adhikarb@mail.nih.gov

Solicitation number: RFA-HL-16-003

This FOA invites Research Project Grant (R01) applications from collaborating investigators to characterize and compare mechanisms of aberrant fibrogenesis and/or fibrosis resolution in different organ systems; develop novel therapeutic strategies aimed to lessen organ fibrosis; or develop novel technologies to study fibrosis. Application budgets may not exceed $350K in direct costs per year.
**NIDCD Small Grant Program (R03)**

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


Contact: Varies with research interest

Solicitation number: PAR-13-057

This program is intended to support basic and clinical research of scientists who are beginning to establish an independent research career. The research must be focused on one or more of the areas within the mission of the NIDCD: hearing, balance/vestibular, smell, taste, voice, speech, or language. The R03 grant mechanism supports different types of projects including secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. Applications may be submitted for up to $100K in direct costs per year for up to three years.

10/28/2015  Application

**Comprehensive Evaluation of Interactions between Engineered Nanomaterials and Biological System (U01) - Limit**

National Institutes of Health


Contact: Srikanth Nadadur, 919/541-5327, nadadurs@niehs.nih.gov

Solicitation number: RFA-ES-15-013

This Funding Opportunity Announcement (FOA) seeks applications for research projects as part of NHIR. These research projects will investigate interactions between ENMs and biological systems to generate comprehensive biological response profiles for ENMs that will be provided by Engineered nanomaterials Resource and Coordination Core (ERCC) being solicited through a companion FOA (RFA-ES-15-012). This consortium will generate biological response profiles for a select set of ENMs representing the landscape of nanotechnology applications. The research projects to be funded through this FOA will contribute to long range goals of the NIEHS Nano EHS program, i.e., to derive detailed molecular, biochemical and pathophysiological characterization of ENMs-biological interactions as influenced by physicochemical properties of ENMs. The investigators of the U01 projects as part of the NHIR consortium will carry out investigations on a common set of ENMs, and participate in annual meetings of the consortium coordinated by ERCC. Budgets are limited to $300K direct costs.

11/2/2015  Application

**Clinical Observational (CO) Studies in Musculoskeletal, Rheumatic, and Skin Diseases (R01)**

National Institutes of Health


Contact: James Witter, 301/594-1963, witterj@mail.nih.gov

Solicitation number: PAR-15-115

This FOA is to encourage Research Project Grant (R01) applications to pursue clinical observational (CO) studies to obtain data necessary for designing clinical trials for musculoskeletal, rheumatic, or skin diseases or conditions. Research data from observational cohort studies can enhance clinical trial design by providing essential information about disease symptoms, stages and timing of disease progression, comorbid conditions, availability of potential clinical trial participants, and outcomes that are important to patients. CO studies also can facilitate efforts to develop and/or validate objective biomarkers or subjective outcome measures for use in a future trial or trials. Applicants to this FOA are encouraged to propose studies that address significant obstacles or questions in the design of a clinical trial, such as determining the appropriate primary or secondary outcome measures, or identifying the stages of disease during which patients are most likely to respond to an intervention. Only observational studies will be supported through this FOA. The maximum award is $450K over a three-year period. This FOA runs in parallel with multiple FOAs of identical scientific scope, PAR-14-192, PAR-14-199, and PAR-14-200, which utilize the R21 Exploratory Clinical Trials Research Grant, the U34 Planning Cooperative Agreement, and the U01 Research Project – Cooperative Agreements respectively.
Pragmatic Research in Healthcare Settings to Improve Diabetes and Obesity Prevention and Care (R18)

National Institutes of Health


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

Solicitation number: PAR-15-157

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

Role of the Microflora in the Etiology of Gastro-Intestinal Cancer (R01)

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


Contact: Varies with research interest

Solicitation number: PAR-14-140

This FOA encourages innovative multidisciplinary research projects that will advance our mechanistic understanding of microflora influences on Gastro-Intestinal (GI) carcinogenesis. This FOA seeks applications that leverage and integrate information from large, meta-omic data sets to guide studies that identify critical microbial activities that can be mechanistically linked to GI carcinogenesis. Applicants are encouraged to take advantage of existing methodologies and technologies developed by the microbiome and integrative cancer biology communities as well as other relevant technology sources, and to apply existing or new sophisticated data analysis, integration, and modeling methodologies to inform and guide hypothesis driven mechanistic studies on the role of the GI microflora during carcinogenesis. The common goal of the projects should be to understand how the resident microbes interact with the host and the host environment to prevent or enhance carcinogenesis in the GI tract. The maximum project period is five years.

U.S.-India Collaborative Vision Research Program (R01)

National Institutes of Health


Contact: Lisa Neuhold, 301/451-2020, Lneuhold@mail.nih.gov

Solicitation number: PAR-15-320

This FOA encourages applications from U.S.-based institutions with an Indian institution partner to establish bilateral collaborations that will advance science and technology important to understanding, preventing, and treating blinding eye diseases, visual disorders, and their complications. The program is designed to develop collaborations between scientists and institutions in the United States and India to conduct high quality vision research of mutual interest and benefit to both countries while developing the basis for future institutional and individual scientific collaborations. Application budgets are limited to $250K annual direct cost over a period of three years, but need to reflect the actual needs of the proposed project.
NCI Exploratory Developmental Research Grant Program (NCI Omnibus R21)
National Institutes of Health
Contact: varies with research interest
Solicitation number: PAR-15-340
The purpose of this FOA is to promote the early and conceptual stages of research efforts on novel scientific ideas that have the potential to substantially advance cancer research in all areas relevant to the mission of the NCI. By using the R21 mechanism, this FOA will support exploratory/developmental projects. These studies may involve considerable risk but may lead to a breakthrough in a particular area, and/or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on a field of cancer research (biomedical, behavioral, or clinical). The combined budget for direct costs for the 2-year project period may not exceed $275K. No more than $200K may be requested in any single year.
This FOA runs in parallel with a FOA of identical scope, PAR-14-007, that utilizes the R03 Small Grant Program mechanism.

Detection of Pathogen-Induced Cancer (DPIC) (R01)
National Institutes of Health, National Cancer Institute (NCI)
Contact: Jacob Kagan, 301/435-1594, kaganj@mail.nih.gov
Solicitation number: PAR-13-190
The purpose of this FOA is to encourage research projects which focus on the interactions of carcinogenic pathogens with the human microbiome and the host for the detection of pathogen-induced cancer (DPIC). This FOA encourages research to assess molecular signatures associated with risk and early detection of pathogen-induced cancer and chronic inflammation associated with progression to invasive cancer. Application budgets are not limited, but need to reflect actual needs of the proposed project. The maximum project period is five years. There are four additional FOAs issued under the DPIC Initiative that cover additional types of projects at different stages: 1) PAR-13-172, R01 Revisions; 2) PAR-13-173, U01 Research Project – Cooperative Agreements Revisions; 3) PAR-13-171, P01 Program Project Grant Revisions; and 4) PAR-13-170, P50 Specialized Centers Revisions.

Imaging and Biomarkers for Early Cancer Detection (R01)
National Institutes of Health, National Cancer Institute (NCI)
Contact: Richard Mazurchuk, 240/276-7126, richard.mazurchuk@nih.gov
Solicitation number: PAR-13-189
This FOA invites research project (R01) applications that combine imaging and biomarkers. The overall objective of this FOA is to facilitate collaborative imaging and biomarker research to improve cancer screening, early cancer detection and diagnosis by integrating multi modality imaging strategies and multiplexed biomarker methodologies. Application budgets are not limited, but need to reflect the actual needs of the proposed project. The maximum project period is five years. This FOA runs in parallel with other FOAs of identical scientific scope: 1) PAR-13-177, R01 Research Project Grant Revisions; 2) PAR-13-176, U01 Research Project - Cooperative Agreements Revisions; 3) PAR-13-175, P01 Program Project Grant Revisions; and 4) PAR-13-174, P50 Specialized Centers Revisions.
NIMHD Transdisciplinary Collaborative Centers for Health Disparities Research on Chronic Disease Prevention (U54)

This Funding Opportunity Announcement (FOA) invites applications to establish specialized Transdisciplinary Collaborative Centers (TCCs) for health disparities research focused on chronic disease prevention, with an emphasis on developing, implementing and disseminating community-based multilevel interventions. Application budgets are limited to $1.5M in direct costs annually.

Interdisciplinary Training in Bioinformatics and Diabetes, Obesity and Metabolic Disease (T32)

The purpose of this Funding Opportunity Announcement (FOA) is to promote the development of an interdisciplinary workforce for conducting bioinformatics research in diabetes, obesity and related metabolic diseases that are relevant to the research mission of NIDDK. This FOA will support institutional training programs for predoctoral and postdoctoral level researchers with backgrounds in bioinformatics, mathematics and/or computational sciences with mentors from both computational and biological backgrounds.

In order to advance bioinformatics science and encourage its application to these diseases and disorders, NIDDK invites applications for implementing novel institutional training and education programs. These programs should focus on interdisciplinary approaches and mentorship between mathematics and computer science and medicine and diabetes, obesity and related metabolic diseases. These programs will support a variety of new and innovative didactic and research activities designed to provide trainees with the necessary knowledge and research experience to apply bioinformatics skills to the prevention, treatment or cure of diabetes, obesity and related disorders. It is expected that these interdisciplinary training programs would involve multiple departments including bioinformatics and the biological, medical, computational, engineering, and mathematical sciences. Trainees in these programs should be mentored by two or more faculty mentors, one from computational and the other from biology or medical sciences of diabetes, obesity and metabolism, and, ideally, spend time in both mentors’ laboratories. Applicants are encouraged to build these new training/education programs around existing institutional research programs in diabetes, obesity and related metabolic diseases that are relevant to the research mission of NIDDK and the computational sciences, whether formal (e.g., research programs supported by program project, center, or cooperative agreement mechanisms) or informal (e.g., networks of collaborating R01 grantees).

Application budgets are not limited, but need to reflect the actual needs of the proposed project. The maximum project period is 5 years.

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

The Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD) seeks to increase the diversity of the pool of researchers involved in health equity research related to NICHD mission areas including: preterm birth; infant mortality; sudden infant death syndrome (SIDS); maternal mortality; reproductive health; uterine fibroid tumors; childhood, adolescent, and/or adult obesity; violence prevention; perinatal HBV and HIV/AIDS prevention; HIV/AIDS prevention; asthma; intellectual and developmental disabilities; pediatric injury prevention; and medical rehabilitation. The goal of the Biomedical and Behavioral Research Innovations To Ensure Equity (BRITE) in maternal and child health program is to stimulate maternal and child health equity research. Applicants may request a maximum of $300K direct costs plus applicable Facilities & Administrative (F&A) costs/indirect costs for the entire project period of up to three years. No more than $150K may be spent in any single year without prior approval from NICHD.
BRAIN Initiative: Technology Sharing and Propagation (R03)

National Institutes of Health


Contact: Fred Friedman, 301/443-4058, ffriedma@mail.nih.gov

Solicitation number: RFA-MH-16-725

The purpose of this Brain Research through Advancing Innovative Neurotechnologies (BRAIN) Initiative FOA is to encourage the transfer of new technologies and new data analysis techniques into a research laboratory. One of the key goals of the BRAIN Initiative is to develop new technologies to improve our understanding of the brain. In order for those technologies to be useful, they need to be broadly disseminated beyond the laboratory or company where they originated. This FOA promotes this goal by providing funds to enable the incorporation of new technologies or data analysis techniques into research programs that further the aims of the BRAIN initiative. Total direct costs may not exceed $100K. The maximum project period is one year.

National Science Foundation (NSF)

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.

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**Geobiology and Low-Temperature Geochemistry**

National Science Foundation, Geosciences (GEO)


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

Solicitation number: NSF 15-559

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

Ongoing

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

National Science Foundation


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

Solicitation number: NSF 15-516

The Instrumentation and Facilities Program in the Division of Earth Sciences (EAR/IF) supports meritorious requests for infrastructure that promotes research and education in areas supported by the Division (see [http://www.nsf.gov/div/index.jsp?div=EAR](http://www.nsf.gov/div/index.jsp?div=EAR)). EAR/IF will consider proposals for: 1) Acquisition or Upgrade of Research Equipment, 2) Development of New Instrumentation, Techniques or Software, 3) Support of National or Regional Multi-User Facilities or 4) Support for Early Career Investigators.

Ongoing

**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.
Ideas Lab: Measuring "Big G" Challenge

National Science Foundation


Contact: Pedro Marronetti, 703/292-7372, pmarrone@nsf.gov

Solicitation number: NSF 15-591

This solicitation describes an Ideas Lab on "Measuring Big G". Ideas Labs are intensive meetings focused on finding innovative solutions to grand challenge problems. The ultimate aim of this Ideas Lab organized by the Physics Division of the Mathematical and Physical Sciences Directorate at the National Science Foundation (NSF), in collaboration with experts in the field, is to facilitate the development of new experiments designed to measure Newton’s gravitational constant G with relative uncertainties approaching or surpassing one part in 100,000. The aspiration is that mixing researchers from diverse scientific backgrounds will engender fresh thinking and innovative approaches that will provide a fertile ground for new ideas on how to measure G that can be used to validate and extend current calculations. US researchers may submit preliminary proposals for participation in the Ideas Lab only via FastLane. The goal is to develop multidisciplinary ideas that eventually will be submitted as full proposals.

Advances in Biological Informatics (ABI)

National Science Foundation, Biological Sciences (BIO)


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

Solicitation number: NSF 15-582

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.

Approximately $12-15M is available for new awards and an estimated 20 to 30 awards will be granted.

Secure and Trustworthy Cyberspace (SaTC)

National Science Foundation


Contact: Jeremy Epstein, 703/292-8338, jepstein@nsf.gov

Solicitation number: NSF 15-575

NSTC, with the cooperation of NSF, issued a broad, coordinated Federal strategic plan for cybersecurity research and development to "change the game," minimize the misuses of cyber technology, bolster education and training in cybersecurity, establish a science of cybersecurity, and transition promising cybersecurity research into practice. This program welcomes proposals that address Cybersecurity from a Trustworthy Computing Systems perspective and/or a Social, Behavioral and Economic Sciences perspective, or from the Secure, Trustworthy, Assured and Resilient Semiconductors and Systems perspective. In addition, we welcome proposals that integrate research addressing all of these perspectives. The maximum award is dependent on the category in which the proposal is submitted. Small projects may receive up to $500K with a duration of up to three years. Medium projects may receive up to $1.2M with a duration of up to four years. Large projects may receive up to $3M with a duration of up to five years.
Cooperative Studies Of The Earth's Deep Interior (CSEDI)

National Science Foundation, Geosciences (GEO)


Contact: Robin Reichlin, 703/292-8556, rreichli@nsf.gov

Solicitation number: NSF 11-548

Funding will support basic research on the character and dynamics of the Earth’s mantle and core, their influence on the evolution of the Earth as a whole, and on processes operating within the deep interior that affect or are expressed on the Earth’s surface. Projects may employ any combination of field, laboratory, and computational studies with observational, theoretical, or experimental approaches. Support is available for research and research infrastructure through grants and cooperative agreements awarded in response to investigator-initiated proposals from U.S. universities and other eligible institutions. Multidisciplinary work is required.

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 15-583

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

Restricted-Access C (RDCs)

National Science Foundation


Contact: Cheryl Eavey, 703/292-7269, ceavey@nsf.gov

Solicitation number: NSF 15-586

RDCs are secure Census Bureau facilities within which external researchers are given access to confidential micro data in accordance with specific statutory requirements. NSF expects to support a limited number of new RDCs that complement the existing RDCs by expanding access to secure data to a broader segment of the social, behavioral, and economic sciences research community. RDC proposals should address the following topics: (1) The cross-disciplinary and/or interdisciplinary potential of the proposed RDC, (2) The fit of the proposed RDC within the existing system, (3) Readiness of the proposed RDC, (4) Governance, and (5) Resources available to the RDC. Investigators may request up to $100K a year over a one-year to three-year period to cover start-up costs for new RDCs. NSF programs collectively expect to contribute no more than $300K per year to new RDC awards, pending availability of appropriations.
Hazard Mitigation and Structural Engineering (HMSE)

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.

Coastal Science, Engineering, and Education for Sustainability (Coastal SEES)

A sustainable world is one in which human needs are met equitably and without sacrificing the ability of future generations to meet their needs. Meeting this formidable challenge requires a substantial increase in our understanding of the integrated system of society, the natural world, and the alterations humans bring to Earth. NSF’s Science, Engineering, and Education for Sustainability (SEES) activities aim to address this need through support for interdisciplinary research and education. Coastal SEES is focused on the sustainability of coastal systems. The program seeks proposals that advance understanding of fundamental, interconnected processes in coastal systems on a variety of spatial and temporal scales; improve capabilities for predicting future coastal system states and impacts; and identify pathways by which research results will be translated to policy and management domains and used to enhance coastal sustainability. Estimated program budget, number of awards and average award size/duration are subject to the availability of funds.

Management and Operation of the IceCube Neutrino Observatory (ICNO) - Limited Submission

Proposals are solicited to organize and manage all ICNO administrative and technical activities at the South Pole as well as those activities at the awardee institution or contributed as service work or resources by Collaboration members at U.S. or foreign institutions. Within available resources and consistent with the expectations and criteria identified in this solicitation, the successful proposal should present a compelling, sustainable vision for the ICNO that will facilitate integration of research and education activities in the various fields of neutrino physics. The projected total amount of the award for a 5-year duration is $35M.
Research on Gender in Science and Engineering (GSE)

National Science Foundation, Education and Human Resources (EHR)


Contact: Jolene Jesse, 703/292-7303, jjesse@nsf.gov

Solicitation number: NSF 10-516

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

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.

NSF Astronomy and Astrophysics Postdoctoral Fellowships (AAPF)

National Science Foundation, Mathematical and Physical Sciences (MPS)


Contact: Dana Lehr, 703/292-7456, dlehr@nsf.gov

Solicitation number: NSF 11-559

NSF Astronomy and Astrophysics Postdoctoral Fellowships provide an opportunity for highly qualified, recent doctoral scientists to carry out an integrated program of independent research and education. Fellows may engage in observational, instrumental, theoretical, laboratory or archival data research in any area of astronomy or astrophysics, in combination with a coherent educational plan for the duration of the fellowship. The program supports researchers for a period of up to three years with fellowships that may be taken to eligible host institution(s) of their choice. The program is intended to recognize early-career investigators of significant potential and to provide them with experience in research and education that will establish them in positions of distinction and leadership in the community. The annual fellowship amount of $89K consists of two types of payments: 1) an annual stipend of $62K, paid directly to the Fellow on a monthly schedule; and 2) an annual fellowship allowance of $27K, paid directly to the Fellow and intended to cover costs of the fellowship.
Geospace Environment Modeling (GEM)
National Science Foundation, Geosciences (GEO)
Contact: Therese Jorgensen, 703/292-8518, tjorgens@nsf.gov
Solicitation number: NSF 10-510
GEM is a broad-based, community-initiated research program on the physics of the Earth’s magnetosphere and the coupling of the magnetosphere to the atmosphere and to the solar wind. The purpose of the GEM program is to support basic research into the dynamical and structural properties of geospace, leading to the construction of a global Geospace General Circulation Model (GGCM) with predictive capability. The typical award size is approximately $90K per year with a duration of three years.

Sociology Program Doctoral Dissertation Research Improvement Awards (Soc-DDRI)
National Science Foundation
Contact: Patricia White, 703/292-8762, pwhite@nsf.gov
Solicitation number: NSF 14-604
This program supports basic research on all forms of human social organization -- societies, institutions, groups and demography -- and processes of individual and institutional change. The program encourages theoretically focused empirical investigations aimed at improving the explanation of fundamental social processes. Included is research on organizations and organizational behavior, population dynamics, social movements, social groups, labor force participation, stratification and mobility, family, social networks, socialization, gender roles, and the sociology of science and technology. The maximum award is $12K.

Natural Hazards Engineering Research Infrastructure (NHERI) - Limited Submission
National Science Foundation
Contact: Joy M. Pauschke, 703/292-7024, jpauschk@nsf.gov
Solicitation number: NSF 15-598
The planned outcome of this solicitation is to establish the final three awards for the NSF-supported Natural Hazards Engineering Research Infrastructure (NHERI) - Network Coordination Office (NCO), Computational Modeling and Simulation Center (SimCenter), and Post-Disaster, Rapid Response Research (RAPID) Facility. Under this solicitation, one cooperative agreement for the NCO, one cooperative agreement for the SimCenter, and one cooperative agreement for the RAPID Facility are anticipated to commence in early calendar 2016, with a five-year award duration. These three Awardees will not conduct research. The primary research enabled by NHERI will be conducted by investigators supported through separate NSF awards. The NCO, SimCenter, and RAPID Facility Awardees, along with the other NHERI Awardees and the natural hazards engineering community, will work together, through Governance and Awardee activities, to establish a shared vision for NHERI, set natural hazards engineering research and education agendas and priorities, and make NHERI a value-added and productive research infrastructure. The anticipated funding amount of $19.1M is the estimated total for up to five years for up to three awards.
Arctic Research Opportunities

The goal of the NSF Division of Arctic Sciences is to gain a better understanding of the Arctic's physical, biological, geological, chemical, social and cultural processes; the interactions of oceanic, terrestrial, atmospheric, biological, social, cultural, and economic systems; and the connections that define the Arctic. The Division of Arctic Sciences and other NSF programs support projects that contribute to the development of the next generation of researchers and scientific literacy for all ages through education, outreach, and broadening participation in science, technology, engineering, and mathematics. Program representatives from OPP and other non-OPP NSF programs that support arctic research coordinate across NSF, including joint review and funding of arctic proposals and mutual support of special projects with high logistical costs. Research opportunities are supported by the following programs: Arctic Natural Sciences Program (ANS); Arctic System Science Program (ARCSS); Arctic Social Sciences Program (ASSP); Arctic Observing Network (AON); and Cyberinfrastructure (ACI). It is anticipated that there will be $25M in funds to support 75 grants per year.

SBE Postdoctoral Research Fellowships (SPRF)

SBE offers Postdoctoral Research Fellowships in two tracks: 1) Broadening Participation (SPRF-BP) which aims to increase the diversity of researchers who participate in NSF programs in the social, behavioral and economic sciences and thereby increase the participation of scientists from under-represented groups in selected areas of science in the United States; and 2) Interdisciplinary Research in Behavioral and Social Sciences (SPRF-IBSS), which aims to support interdisciplinary training where at least one of the disciplinary components is an SBE science. Salary plus fringe benefits (per institutional rates) are not to exceed $62K per year for a maximum of two years. Research and travel expenses may run up to $10K per year.

Graduate Research Fellowship Program (GRFP)

This program seeks to help ensure the vitality and diversity of the scientific and engineering workforce in the United States. The program also recognizes and supports outstanding graduate students who are pursuing research-based master’s and doctoral degrees in fields within NSF’s mission. The GRFP provides three years of support during a five-year fellowship period for the graduate education of individuals who have demonstrated their potential for significant achievements in STEM and STEM education. For each year of support, NSF provides a stipend of $34K to each Fellow and a cost-of-education allowance of $12K to the degree-granting institution.
Division of Physics: Investigator-Initiated Research Project (PHY)

National Science Foundation


Contact: Varies with research interest

Solicitation number: NSF 15-579

This program supports physics research and education in the nation’s colleges and universities across a broad range of physics disciplines that span scales of space and time from the largest to the smallest and the oldest to the youngest. The program is comprised of disciplinary programs covering experimental and theoretical research in the following major subfields of physics: Accelerator Science; Atomic, Molecular, Optical and Plasma Physics; Computational Physics; Elementary Particle Physics; Gravitational Physics; Integrative Activities in Physics; Nuclear Physics; Particle Astrophysics; Physics of Living Systems; Plasma Physics (supported under a separate solicitation); and Quantum Information Science. Estimated program budget is $90M and estimated number of awards is 300. See solicitation for full listing of deadlines for other areas of research.

Collaborative Research in Computational Neuroscience (CRCNS)

National Science Foundation, Cross-Directorate


Contact: Varies with research interest

Solicitation number: NSF 15-595

Through the CRCNS program, the NSF and its affiliates support collaborative activities that will advance the understanding of nervous system structure and function, mechanisms underlying nervous system disorders, and computational strategies used by the nervous system. Two classes of proposals will be considered in response to this solicitation: 1) Research Proposals describing collaborative research projects; and 2) Data Sharing Proposals to enable sharing of data and other resources. Proposals selected for funding must be responsive to the mission of a participating funding organization. Award sizes are expected to range from approximately $100K to $250K per year in direct costs with durations of three to five years. Awards for Data Sharing Projects will be scaled according to the needs of the project; typically they will be smaller in size than research awards.

Postdoctoral Research Fellowships in Biology (PRFB)

National Science Foundation


Contact: Sophie George, 703/292-8470, bio_dbi_prfb@nsf.gov

Solicitation number: NSF 15-501

The Directorate for Biological Sciences (BIO) awards Postdoctoral Research Fellowships in Biology to recent recipients of the doctoral degree for research and training in selected areas supported by BIO and with special goals for human resource development in biology. The fellowships encourage independence at an early stage of the research career to permit Fellows to pursue their research and training goals in the most appropriate research locations regardless of the availability of funding for the Fellows at that site. For FY 2015 and beyond, these BIO programs are (1) Broadening Participation of Groups Under-represented in Biology, (2) Research Using Biological Collections, and (3) National Plant Genome Initiative (NPGI) Postdoctoral Research Fellowships. The fellowships are also designed to provide active mentoring of the Fellows by the sponsoring scientists who will benefit from having these talented young scientists in their research groups. The research and training plan of each fellowship must address important scientific questions within the scope of the BIO Directorate and the specific guidelines in this fellowship program solicitation.
Improving Undergraduate STEM Education: Education and Human Resources (IUSE: EHR)

National Science Foundation


Contact: Myles Boylan, 703/292-4617, mboylan@nsf.gov

Solicitation number: NSF 15-585

This program invites proposals that address immediate challenges and opportunities that are facing undergraduate STEM education, as well as those that anticipate new structures (e.g. organizational changes, new methods for certification or credentialing, course re-conception, cyberlearning, etc.) and new functions of the undergraduate learning and teaching enterprise. This program recognizes and respects the variety of discipline-specific challenges and opportunities facing STEM faculty as they strive to incorporate results from educational research into classroom practice and work with education research colleagues and social science learning scholars to advance our understanding of effective teaching and learning. The program features two tracks: (1) Engaged Student Learning and (2) Institutional and Community Transformation. Two tiers of projects exist within each track: (i) Exploration and Design and (ii) Development and Implementation. The estimated award amounts for each track are as follows: Engaged Student Learning: Exploration and Design - up to $300K; Engaged Student Learning: Development and Implementation, Level I - up to $600K; Engaged Student Learning: Development and Implementation, Level II - from $601K up to $2M; Institutional and Community Transformation: Exploration and Design - up to $300K; Institutional and Community Transformation: Development and Implementation - up to $3M. See solicitation for full list of proposal deadlines for other areas of research.

This FOA is offered in alignment with the NSF-wide undergraduate STEM education initiative, Improving Undergraduate STEM Education (NSF-IUSE).

Computing and Communication Foundations (CCF): Core Programs

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


Contact: John Cozzens, 703/292-8910, jcozzens@nsf.gov

Solicitation number: NSF 15-573

This FOA supports transformative research and education projects that explore the foundations of computing and communication in three core programs: 1) The Algorithmic Foundations (AF) program; 2) The Communications and Information Foundations (CIF) program; and 3) The Software and Hardware Foundations (SHF) program. The AF supports potentially transformative research and education projects advancing design and analysis of algorithms and characterized by algorithmic thinking accompanied by rigorous analysis and to obtain efficient solutions within those limits. The CIF program supports research that addresses the theoretical underpinnings and current and future enabling technologies for information acquisition, transmission, and processing in communications and information processing systems, and the SHF program supports research and education projects on the design, verification, operation, utilization, and evaluation of computer hardware and software through novel approaches, robust theories, high-leverage tools, and lasting principles. Proposers are invited to submit proposals in three project classes, which are defined as follows: 1) Small Projects - up to $500K total budget with durations up to three years; 2) Medium Projects - $500K to $1.2M total budget with durations up to four years; and 3) Large Projects - $1.2M to $3M total budget with durations up to five years.

Information and Intelligent Systems (IIS): Core Programs

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


Contact: Varies with research interest

Solicitation number: NSF 15-574

This FOA supports research and education projects that develop new knowledge in three core programs: 1) The Cyber-Human Systems (CHS) program; 2) The Information Integration and Informatics (III) program; and 3) The Robust Intelligence (RI) program. CHS research applies knowledge of computing and communications together with theoretical and practical understanding of behavioral, social and design sciences to better develop diverse kinds of systems. The III program supports research to realize the full transformative potential of data, information and knowledge in this increasingly digital and interconnected world. The RI program advances and integrates the research traditions of artificial intelligence, computer vision, human language research, robotics, machine learning, computational neuroscience, cognitive science, and related areas. Proposers are invited to submit proposals in three project classes, which are defined as follows: 1) Small Projects - up to $500K total budget with durations up to three years; 2) Medium Projects - $500K to $1.2M total budget with durations up to four years; and 3) Large Projects - $1.2M to $3M total budget with durations up to five years.
Computer and Network Systems (CNS): Core Programs

National Science Foundation


Contact: Mimi McClure, 703/292-8950, mmcclure@nsf.gov

Solicitation number: NSF 15-572

CISE’s Division of Computer and Network Systems (CNS) supports research and education projects that develop new knowledge in two core programs: 1) Computer Systems Research (CSR) program; and 2) Networking Technology and Systems (NeTS) program. Proposers are invited to submit proposals in three project classes, which are defined as follows: 1) Small Projects - up to $500K total budget with durations up to three years; 2) Medium Projects - $500K to $1.2M total budget with durations up to four years; and 3) Large Projects - $1.2M to $3M total budget with durations up to five years.

Louis Stokes Alliances for Minority Participation (LSAMP)

National Science Foundation


Contact: 703/292-8640, LSAMP_national@nsf.gov

Solicitation number: NSF 15-594

Program assists universities and colleges in their efforts to significantly increase the numbers of students matriculating into and successfully completing high quality degree programs in science, technology, engineering and mathematics (STEM) disciplines in order to diversify the STEM workforce. There are four alliance award types: (1) Alliances (Multi-institutional Partnerships), (2) Bridge to the Baccalaureate (B2B) Alliances (Alliances with a community college as lead institution), (3) Bridge to the Doctorate (BD), (4) Pre-Alliance Planning Grants. Award sizes and durations vary for the different LSAMP award type.

CISE Computing Research Infrastructure (CRI)

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


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

Solicitation number: NSF 15-590

CRI drives discovery and learning in the computing disciplines by supporting the creation, enhancement, and operation of world-class computing research infrastructure. The CRI program supports two classes of awards. Institutional Infrastructure (II) awards support the creation of new computing research infrastructure or the enhancement of existing computing research infrastructure and will be made in the $200K to $750K range. Community Infrastructure (CI) awards support the planning for computing research infrastructure, the creation of new computing infrastructure, or the enhancement of existing computing research infrastructure and will be made in the $1M to $2.5M range. The majority of the Community Infrastructure Planning (CI-P) awards will be made in the $50k - $100k range.
East Asia and Pacific Summer Institutes for U.S. Graduate Students (EAPSI)

National Science Foundation, Office of International Science and Engineering (OISE)


Contact: Emig Anne, 703/292-7241, eapsi@nsf.gov

Solicitation number: NSF 13-593

NSF and selected foreign counterpart science and technology agencies sponsor international research institutes for US graduate students in seven East Asia and Pacific locations at times set by the counterpart agencies between June and August each year. These Summer Institutes (EAPSI) operate similarly and the research visits to a particular location take place at the same time.

Although applicants apply individually to participate in a Summer Institute, awardees become part of the cohort for each location. Applicants must propose a location, host scientist, and a research project that is appropriate for the host site and duration of the international visit. An EAPSI award provides U.S. graduate students in science, engineering, and education: 1) first-hand research experiences in Australia, China, Japan, Korea, New Zealand, Singapore or Taiwan; 2) an introduction to the science, science policy, and scientific infrastructure of the respective location; and 3) an orientation to the society, culture and language. It is expected that EAPSI awards will help students initiate professional relationships to enable future collaboration with foreign counterparts. The NSF award includes participation in the Pre-Departure Orientation, summer stipend of $5K, and roundtrip airplane ticket to the host location. EAPSI partner agencies pay in-country living expenses during the Summer Institutes.

Biological Anthropology Program Doctoral Dissertation Research Improvement Grants (BA-DDRIG)

National Science Foundation


Contact: Carolyn Ehardt, 703/292-7850, cehardt@nsf.gov

Solicitation number: NSF 14-561

This FOA supports multifaceted research which advances scientific knowledge of human biology and ecology, including understanding of our evolutionary history and mechanisms which have shaped human and nonhuman primate biological diversity. Supported research focuses on living and fossil forms of both human and nonhuman primates, addressing time scales ranging from the short-term to evolutionary, encompassing multiple levels of organization and analysis (molecular and organismal, to the population and ecosystem scales), and conducted in field, laboratory, and captive research environments. Areas of inquiry which promote understanding of the evolution, biology, and adaptability of our diverse species include, but are not limited to, human genetic and epigenetic variation and relationships to phenotype; human and nonhuman primate ecology, socioecology, functional anatomy and skeletal biology; human and nonhuman primate paleontology; and the anthropological science of forensics. Multidisciplinary research which fully integrates biological anthropology with other anthropological fields, such as bioarchaeological or biocultural research, also receives support through the Program. Proposal budgets cannot exceed $20K in direct costs.

CISE Research Infrastructure (CRI)

National Science Foundation


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

Solicitation number: NSF 15-590

The CISE Research Infrastructure (CRI) program drives discovery and learning in the core CISE disciplines of the three participating CISE divisions by supporting the creation and enhancement of world-class research infrastructure that will support focused research agendas in computer and information science and engineering. This infrastructure will enable CISE researchers to advance the frontiers of CISE research. Further, through the CRI program CISE seeks to ensure that individuals from a diverse range of academic institutions, including minority-serving and predominantly undergraduate institutions, have access to such infrastructure. This program supports two classes of awards: 1) Institutional Infrastructure - support the creation of new CISE research infrastructure or enhancement of existing CISE infrastructure to enable CISE research opportunities at the awardee and collaborating institutions or 2) Community Infrastructure - support the planning for new CISE community research infrastructure, the creation of new CISE research infrastructure, or the enhancement of existing CISE research infrastructure to enable research opportunities for broad-based communities of CISE researchers that will extend beyond the awardee institutions. Support for CI projects is provided in four award categories. The maximum award varies with each class.
East Asia and Pacific Summer Institutes for U.S. Graduate Students (EAPSI)

National Science Foundation, Office of International Science and Engineering (OISE)


Contact: Elena Hillenburg, 703/292-2993, oise-eapsi@nsf.gov

Solicitation number: NSF 13-593

NSF and selected foreign counterpart science and technology agencies sponsor international research institutes for US graduate students in seven East Asia and Pacific locations at times set by the counterpart agencies between June and August each year. These Summer Institutes (EAPSI) operate similarly and the research visits to a particular location take place at the same time. Although applicants apply individually to participate in a Summer Institute, awardees become part of the cohort for each location. Applicants must propose a location, host scientist, and a research project that is appropriate for the host site and duration of the international visit. An EAPSI award provides U.S. graduate students in science, engineering, and education: 1) first-hand research experiences in Australia, China, Japan, Korea, New Zealand, Singapore or Taiwan; 2) an introduction to the science, science policy, and scientific infrastructure of the respective location; and 3) an orientation to the society, culture and language. It is expected that EAPSI awards will help students initiate professional relationships to enable future collaboration with foreign counterparts. The NSF portion of the EAPSI award consists of several parts: a stipend of $5K, attendance at the pre-departure orientation, and round-trip transportation from the Fellow's home to the host location in the form of a non-refundable airline ticket on a U.S. flag carrier in accordance with GSA requirements and issued by the NSF travel contractor. The foreign counterparts provide in-country room and board and travel for research visits. There will be an anticipated $2.4M to support as many as 205 research grants, pending the availability of funds.

Petascale Computing Resource Allocations (PRAC)

National Science Foundation, Office of Cyberinfrastructure


Contact: Rudolf Eigenmann, 703) 292-2598, reigenma@nsf.gov

Solicitation number: NSF 14-518

The purpose of this solicitation is to invite research groups that have a compelling science or engineering challenge that will require petascale computing resources to submit requests for allocations of resources on the Blue Waters system. Proposers must be prepared to demonstrate that they have a science or engineering research problem that requires and can effectively exploit the petascale computing capabilities offered by Blue Waters. Proposals from or including junior researchers are encouraged as one of the goals of this solicitation is to build a community capable of using petascale computing. The maximum award is $40K.

Innovative Technology Experiences for Students and Teachers (ITEST)

National Science Foundation, Education and Human Resources (EHR)


Contact: 703/292-8628, DRLITEST@nsf.gov

Solicitation number: NSF 15-599

The ITEST program supports projects that will advance understanding of how to foster increased levels of interest and readiness among students for occupations in science, technology, engineering, and mathematics (STEM), and related fields such as information and communications technologies (ICT). The program seeks to enrich the formal and informal learning experiences of PreK-12 students by supporting projects that: a) increase awareness among students of STEM-related occupations; b) motivate students to pursue appropriate education pathways for STEM-related occupations; and/or c) provide students with technology-rich experiences that develop disciplinary-based knowledge and practices, or promote critical thinking, reasoning skills, or communication skills needed for entering STEM workforce sectors. The ITEST program supports these efforts through two types of research and development projects: (1) Strategies projects that address the initial design, development, and implementation of innovative technology-related interventions, and (2) SPrEaD (Successful Project Expansion and Dissemination) projects that support the further examination of interventions that have demonstrated evidence of impact. Approximately 15-20 Strategies awards with durations up to three years and total budgets up to $1.2M each will be made; and approximately 5-10 SPrEaD awards with durations of three to five years and total budgets up to $2M each will be made.
EarthScope
National Science Foundation, Geosciences (GEO)
Contact: Gregory Anderson, 703/292-4693, greander@nsf.gov
Solicitation number: NSF 15-578
EarthScope is an Earth science program to explore the 4-dimensional structure of the North American continent. The EarthScope Program provides a framework for broad, integrated studies across the Earth sciences, including research on fault properties and the earthquake process, strain transfer, magmatic and hydrous fluids in the crust and mantle, plate boundary processes, large-scale continental deformation, continental structure and evolution, and composition and structure of the deep Earth. In addition, EarthScope offers a centralized forum for Earth science education at all levels and an excellent opportunity to develop cyberinfrastructure to integrate, distribute, and analyze diverse data sets. The estimated total funding amount is $6M and there will be approximately 15 to 25 awards.

Division of Molecular and Cellular Biosciences - Investigator-initiated research projects
National Science Foundation, Biological Sciences (BIO)
Contact:Varies with research interest
Solicitation number: NSF 13-510
The Division of Molecular and Cellular Biosciences (MCB) supports quantitative, predictive, and theory-driven fundamental research and related activities designed to promote understanding of complex living systems at the molecular, subcellular, and cellular levels. MCB is soliciting proposals for hypothesis-driven and discovery research and related activities in four core clusters: 1) Molecular Biophysics; 2) Cellular Dynamics and Function; 3) Genetic Mechanisms; and 4) Systems and Synthetic Biology. MCB gives high priority to research projects that use theory, methods, and technologies from physical sciences, mathematics, computational sciences, and engineering to address major biological questions. Research supported by MCB uses a range of experimental approaches—including in vivo, in vitro and in silico strategies—and a broad spectrum of model and non-model organisms, especially microbes and plants. Typical research supported by MCB integrates theory and experimentation. Projects that address the emerging areas of multi-scale integration, molecular and cellular evolution, quantitative prediction of phenotype from genomic information, and development of methods and resources are particularly welcome. The Division funds research projects of varying durations, typically three to five years.

Astronomy and Astrophysics Research Grants (AAG)
National Science Foundation
Contact: James Neff, 703/292-2475, jneff@nsf.gov
Solicitation number: NSF 12-589
The Astronomy and Astrophysics Research Grants (AAG) Program provides individual investigator and collaborative research grants for observational, theoretical, laboratory and archival data studies in all areas of astronomy and astrophysics, including but not limited to Planetary Astronomy, Stellar Astronomy and Astrophysics, Galactic Astronomy, Extragalactic Astronomy and Cosmology. Proposals may span multiple disciplines and/or areas of study and may utilize multiple techniques. The anticipated award amount is $40M and the estimated number of awards is 100.
**Integrated Earth Systems (IES)**

National Science Foundation, Geosciences (GEO)


Contact: Leonard Johnson, 703/292-8559, lejohnso@nsf.gov

Solicitation number: NSF 15-600

IES is a program in the Division of Earth Sciences (EAR) that focuses specifically on the continental, terrestrial and deep Earth subsystems of the whole Earth system. Overall, the goals of IES are to: 1) provide opportunity for collaborative, multidisciplinary research into the operation, dynamics and complexity of Earth systems at a budgetary scale between that of a typical project in the EAR Division's disciplinary programs and larger scale initiatives at the Directorate or Foundation level; 2) support study of Earth systems that builds on process-oriented knowledge gained from EAR programmatic research and enables systems-level hypothesis testing and analysis of coupled processes; and 3) to provide a "bridge" among the EAR disciplinary programs in order to foster the exchange of questions, ideas, and knowledge between disciplinary discovery and system-level investigations. The IES focus will be on the operation and evolution of continental, terrestrial and deep Earth systems over spatial scales that range from global to regional to local to grain scale, and on all timescales. Quantifying these complex systems requires extensive data on fluxes, structures, and evolution of the system as well as information on how such fluxes are interconnected within a specific system. IES projects are expected to involve collaborations among investigators from different EAR disciplinary specialties. Inclusion of collaboration with other science fields is also welcome but the primary focus is on advancing EAR disciplines rather than advancing disciplines outside the EAR programmatic structure. The award size for IES projects is expected to range between $1M and $3M for projects of three to five years duration, although smaller awards may be made.

**Dynamics of Coupled Natural and Human Systems (CNH)**

National Science Foundation, Cross-Directorate


Contact: Betsy Von Holle, 703/292-4974, cnh@nsf.gov

Solicitation number: NSF 14-601

This program promotes interdisciplinary analyses of relevant human and natural system processes and complex interactions among human and natural systems at diverse scales. CNH intends to support three types of activities: CNH Large Research Projects; CNH Small Research Projects; and CNH Research Coordination Networks, with respective award amounts of $500K to $1.8M for two to five years, $150K to $500K for one to two years, and $300K to $500K for five years.

**Ecology and Evolution of Infectious Diseases (EEID)**

National Science Foundation


Contact: Samuel Scheiner, 703/292-7175, sscheine@nsf.gov

Solicitation number: NSF 14-592

This program supports research on the ecological, evolutionary, and socio-ecological principles and processes that influence the transmission dynamics of infectious diseases. The central theme of submitted projects must be quantitative or computational understanding of pathogen transmission dynamics. The intent is discovery of principles of infectious disease transmission and testing mathematical or computational models that elucidate infectious disease systems. Projects should be broad, interdisciplinary efforts that go beyond the scope of typical studies. They should focus on the determinants and interactions of transmission among humans, non-human animals, and/or plants. Proposals for research on disease systems of public health concern to developing countries are strongly encouraged, as are disease systems of concern in agricultural systems. It is anticipated that there will be $12M in funds to support nine grants per year.
NSF/DOE Partnership in Basic Plasma Science and Engineering

National Science Foundation, Cross-Directorate
Contact: Varies with research interest
Solicitation number: NSF 15-601

The goal of this program initiative is to enhance plasma research and education in this broad, multidisciplinary field by coordinating efforts and combining resources of the two agencies. The initiative will address fundamental issues in plasma science and engineering that can have impact in other areas or disciplines in which improved basic understanding of the plasma state is needed. The current solicitation also encourages submission of proposals to perform basic plasma experiments at NSF and DOE supported user facilities, such as the Basic Plasma Science Facility at the University of California, Los Angeles, designed to serve the needs of the broader plasma community. Award sizes are anticipated to range from $25K to $250K per year with a duration of up to three years, depending upon the nature of the research activity.

Interdisciplinary Behavioral and Social Science Research (IBSS)

National Science Foundation, Social, Behavioral, and Economic Sciences (SBE)
Contact: Thomas Baerwald, 703/292-7301, tbaerwal@nsf.gov
Solicitation number: NSF 15-588

The competition seeks to support research conducted by integrated teams of researchers from two or more social, behavioral, and economic (SBE) disciplines. These teams should engage in integrated research that employs methods and techniques from multiple SBE disciplines, and the results of the team's research should be likely to significantly enhance theoretical understandings or have other stimulating and/or catalytic impacts across a range of SBE disciplinary fields. Although the IBSS competition will consider any proposal that addresses a topic for which the proposal makes a compelling case that the research will enhance broader theoretical understanding across multiple social and behavioral science fields, social and behavioral science researchers are especially encouraged to submit proposals for research on one of the following three general topics: Population Change; Sources and Consequences of Disparities; and Technology, New Media, and Social Networks. The IBSS competition invites proposals for two different kinds of projects: 1) IBSS Large Interdisciplinary Research Projects which may be supported by awards as large as $1M. Most projects will extend from two to five years in duration; and 2) IBSS Interdisciplinary Team Exploratory Projects which may be supported by awards as large as $300K.

Cyber-Enabled Sustainability Science and Engineering (CyberSEES)

National Science Foundation, Cross-Directorate
Contact: Varies with research interest
Solicitation number: NSF 13-500

The CyberSEES program aims to advance interdisciplinary research in which the science and engineering of sustainability are enabled by new advances in computing, and where computational innovation is grounded in the context of sustainability problems. The CyberSEES program supports research and education projects on all sustainability topics in which advances in computing are integral, including: 1) the areas of optimization, modeling, simulation, prediction and inference; 2) large-scale data management and analytics; 3) advanced sensing techniques; 4) human computer interaction and social computing; 5) infrastructure design, control and management; and 6) intelligent systems and decision-making. Information technologies, computational solutions, and advances in cyberinfrastructure are essential to understanding the complex interactions and tradeoffs tied to immediate and emerging sustainability challenges in many critical areas, including climate change, natural resource depletion, loss of biodiversity, extreme events, energy, sustainable infrastructure, and human well-being on a resource-constrained planet. Additionally, the widespread, intensive use of computing technologies also introduces sustainability challenges and motivates new approaches across the lifecycle of technology design and use. The CyberSEES solicitation will support two types of proposals: 1) Type 1 proposals with total budgets (including indirect costs) not exceeding $300K over a period of two years. These are smaller proof-of-concept, capacity building, or exploratory research and education projects led by two or more investigators; and 2) Type 2 proposals with total budgets (including indirect costs) not exceeding $1.2M over a period of up to four years. These proposals are for integrative research and education projects, suitable for collaborative teams led by two or more investigators.
Archaeology and Archaeometry

National Science Foundation


Contact: John Yellen, 703/292-8759, jyellen@nsf.gov
Solicitation number: PD 98-1391

The Archaeology Program provides support for anthropologically relevant archaeological research at both a "senior" and doctoral dissertation level. It also funds anthropologically significant archaeometric research and high risk exploratory research proposals. For more information about multi-disciplinary research and training opportunities, please visit the SBE Office of Multidisciplinary Activities (SMA) website.

National Robotics Initiative (NRI): The realization of co-robots acting in direct support of individuals and groups

National Science Foundation


Contact: Jeffrey Trinkle, 703/292-8327, jtrinkle@nsf.gov
Solicitation number: NSF 15-505

This program seeks to accelerate the development and use of robots in the United States that work beside or cooperatively with people. Innovative robotics research and applications emphasizing the realization of such co-robots working in symbiotic relationships with human partners is supported by multiple agencies of the federal government including the National Science Foundation (NSF), the National Aeronautics and Space Administration (NASA), the National Institutes of Health (NIH), the U.S. Department of Agriculture (USDA), and the U.S. Department of Defense (DOD). The purpose of this program is the development of this next generation of robotics, to advance the capability and usability of such systems and artifacts, and to encourage existing and new communities to focus on innovative application areas. It will address the entire life cycle from fundamental research and development to manufacturing and deployment. Methods for the establishment and infusion of robotics in educational curricula and research to gain a better understanding of the long-term social, behavioral and economic implications of co-robots across all areas of human activity are important parts of this initiative. Collaboration between academic, industry, non-profit and other organizations is strongly encouraged to establish better linkages between fundamental science and technology development, deployment and use.

CISE-MPS Interdisciplinary Faculty Program in Quantum Information Science

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


Contact: Varies with research interest
Solicitation number: NSF 15-512

This program is designed to promote research in the area of Quantum Information Science (QIS) by providing resources to allow QIS researchers and researchers from the CISE or MPS disciplines to actively engage in joint research efforts, addressing problems at the interface between the mathematical and physical sciences and computer and information sciences through long-term visits by faculty to a host institution. NSF anticipates making three to four awards for each deadline. Awards are limited to $250K.
**Discovery Research K-12 (DRK-12)**

National Science Foundation, Education and Human Resources (EHR)


Contact:  703/292-8620, DRLDRK12@nsf.gov

Solicitation number:  NSF 15-592

The Discovery Research PreK-12 program (DRK-12) seeks to significantly enhance the learning and teaching of science, technology, engineering and mathematics (STEM) by PreK-12 students and teachers, through research and development of STEM education innovations and approaches. The Discovery Research PreK-12 program (DRK-12) seeks to significantly enhance the learning and teaching of science, technology, engineering and mathematics (STEM) by PreK-12 students and teachers, through research and development of STEM education innovations and approaches. Normal limits for funding requests of DRK-12 proposals are as follows: (1) Level I projects up to $450K with duration up to three years; (2) Level II projects up to $3M with duration up to four years; and (3) Level III projects up to $5M with duration up to five years.

12/7/2015  Capacity Track Proposal

**CyberCorps(R): Scholarship for Service (SFS)**

National Science Foundation


Contact:  Victor Piotrowski, 703/292-5141, vpiotrow@nsf.gov

Solicitation number:  NSF 15-584

This program seeks proposals that address cybersecurity education and workforce development. The Scholarship Track provides funding to award scholarships to students in cybersecurity. All recipients must work after graduation for a Federal, State, Local, or Tribal Government organization in a position related to cybersecurity for a period equal to the length of the scholarship. The Capacity Track seeks innovative proposals leading to an increase in the ability of the United States higher education enterprise to produce cybersecurity professionals. The SFS Scholarship Track supports up to three years of academic year stipends of $22.5K per year for undergraduate students and $34K per year for graduate students. SFS Capacity Track projects may vary in size and may request up to $500K in total, with durations of up to three years.

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

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

Ongoing
**FSSS Grants-in-Aid Program**
The Foundation for the Scientific Study of Sexuality (FSSS)
http://www.sexscience.org/honors/fsss_grants_in_aid_program/
Contact: aletk001@umn.edu
Solicitation number:
This program provides up to $1K per grant to support scientific sexuality research in areas not likely to receive support from other sources. The money may be used for either a small project that can be completed with the help of the grant or as part of a larger study that might ultimately be funded from other sources. The competition is open to all professionals conducting research on human sexuality. Proposals involving uniquely timely research opportunities, new investigators, volunteer research teams, and actual, not pilot, projects are especially encouraged. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Ongoing
**Waitt Foundation Grants**
Waitt Foundation
http://waittfoundation.org/grant-guidelines
Contact: 858/551-4400
Solicitation number:
The Waitt Foundation supports research with the potential for widespread benefit to humanity. Areas of interest are: Ocean Conservation; Scientific Innovation; Exploration and Discovery; and Community Building. In each of these areas, the Foundation looks for strategies to create tangible, measurable benefits. Of interest are proposals that test new approaches to problem-solving, as well as projects that have been successfully tested and are ready to go full scale. If a preliminary grant request falls within the current giving guidelines and initiatives, an invitation may be extended to submit a full grant proposal. There is a $100K minimum for all grant requests. Multi-year proposals will be considered. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.
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/program.html
http://www.pkf.org/contact.html
Contact:
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.
Mott Foundation Grants
The Charles Stewart Mott Foundation
http://www.mott.org/grantseeker.aspx
Contact:
Solicitation number:
The Charles Stewart Mott Foundation supports efforts in civil society, the environment, and pathways out of poverty. The median grant size is in the $100K range. The majority of grants are between $15K and $250K annually. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

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

Humanities Program Grants
The Gladys Krieble Delmas Foundation
http://delmas.org/?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.

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

Center for the Advancement of Science in Space

http://www.iss-casis.org/Opportunities/UnsolicitedProposals.aspx

Contact: ideas@iss-casis.org

Solicitation number:

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

Thriving Cultures Program

Surdna Foundation

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

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

Solicitation number:

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

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

Oak Ridge Institute for Science and Education (ORISE)

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

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

Solicitation number:

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

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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.

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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.

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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/saithome/Page.do?method=main&pagePath=01_about/&pageName=gro_overview

Contact: gro.usa@samsung.com

Solicitation number:

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

9/24/2015 Creative Arts, Humanities, Social Sciences Applications
10/15/2015 Natural Sciences, Mathematics Applications

Radcliffe Institute Fellowship Program

Radcliffe Institute For Advanced Study

http://www.radcliffe.harvard.edu/fellowship-program/how-apply

Contact: 617/496-1324, varies with research interest

Solicitation number:

The Radcliffe Institute for Advanced Study is defined by a program that provides one-year fellowships for projects in a variety of disciplines in an open intellectual atmosphere. Fellows receive office or studio space and access to libraries and other resources of Harvard University during the fellowship year, which extends from early September 2016 through May 31, 2017. Fellows are expected to be free of their regular commitments so that they may devote themselves full time to the work outlined in their proposal. Since this is a residential fellowship, we expect fellows to reside in the Boston area during that period and to have their primary office at the Institute to participate fully in the life of the community. Stipends are funded up to $75K for one year with additional funds for project expenses.

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.

9/30/2015 Final Proposals (invitation only)

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.
Searle Scholars 2016 - Limited Submission

Chicago Community Trust

http://www.searlescholars.net/go.php?id=5

Contact: Douglas Fambrough, fambro@jhu.edu

Solicitation number:

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).

Simons Fellows in Mathematics

Simons Foundation

https://www.simonsfoundation.org/funding/funding-opportunities/mathematics-physical-sciences/simons-fellow-program/simo

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

Solicitation number:

The program supports a research leave, defined as a continuous period of one or more academic semesters or quarters free from classroom teaching and academic administration. 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 $100K), and up to $10K for expenses related to the leave. The award is to be administered through the Fellow’s home institution, which will receive an additional 20 percent overhead on allowable expenses.

A Fellow must have a teaching or administrative tenured position at a U.S. or Canadian college or university within the mathematics department, at the time of application, throughout the course of the sabbatical, and in the term following the leave. This must be the applicant’s primary position. In addition, a Fellow must have an active current research program.

Simons Fellows in Theoretical Physics

Simons Foundation

https://www.simonsfoundation.org/funding/funding-opportunities/mathematics-physical-sciences/simons-fellow-program/simo

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

Solicitation number:

The program supports a research leave, defined as a continuous period of one or more academic semesters or quarters free from classroom teaching and academic administration. 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 $100K), and up to $25K for expenses related to the leave. The award is to be administered through the Fellow’s home institution, which will receive an additional 20 percent overhead on allowable expenses.

A Fellow must have a teaching or administrative tenured position at a U.S. or Canadian college or university within the physics or related department, at the time of application, throughout the course of the sabbatical, and in the term following the leave. This must be the applicant’s primary position. In addition, a Fellow must have an active current research program.
Targeted Grants in the Mathematical Modeling of Living Systems

Simons Foundation

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

Solicitation number:

The program is intended to foster a culture of theory-experiment collaboration similar to that prevailing in the physical sciences by supporting the development of mathematical models that explain classes of experimental results and suggest new directions for research and experimentation aimed at testing theoretical ideas and expanding their reach. The program aims to support research in the life sciences that breaks new conceptual or theoretical ground and relates closely to experiment, for example, by introducing new and experimentally testable concepts or by developing models that can explain data and motivate new classes of experiments. The typical grant is awarded for up to three years, normally at a level of up to $200K per year, including 20 percent in indirect costs, for a principal investigator (PI) or a team of two PIs. The foundation expects to fund four Targeted Grants in MMLS each year. Eligibility is restricted to scientists holding faculty, or equivalent, positions at U.S. or Canadian institutions with a Ph.D. program in their department. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Wabash Center Grants

Wabash College

http://www.wabashcenter.wabash.edu/grants/default.aspx

Contact: Paul Myhre, 800/665-7117, myhrep@wabash.edu

Solicitation number:

The Wabash Center provides funds for activities that enhance teaching and learning in the fields of religion and theology. It seeks to fund projects that promote a sustained conversation about pedagogy through the improvement of practical applications of teaching and learning methods, the encouragement of research and study of pedagogical issues, and the creation of a supportive environment for teaching. All proposals should maintain a reference to specific classroom practices and challenges. This FOA accepts applications for two types of grants: 1) Small Project Grants (for amounts up to $5K) have a short application process and may be submitted anytime throughout the year; and 2) Project Grants (for amounts up to $30K) require a full application process and are awarded at two different times during the year. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Center for Global Partnership Grants

The Japan Foundation

http://www.cgp.org/intellectual-exchange/regular-grants

Contact: Carolyn Fleisher

Solicitation number:

The Japan Foundation Center for Global Partnership (CGP) is dedicated to strengthening the global U.S.-Japan partnership and cultivating the next generation of public intellectuals necessary to sustain this partnership. As globalization proceeds at an unprecedented rate, to develop comprehensive solutions to resolve complex contemporary issues, it is increasingly necessary not only to incorporate a broader spectrum of scholarship, expertise, and societal actors into the dialogue but also necessary to carry out sustained exchange and dialogue amongst these diverse individuals. Bearing this in mind, the CGP Grant Program supports U.S.-Japan collaborative projects conducted by universities, think-tanks, and other non-profit organizations which incorporate one or both of the following formats: 1) fostering dialogue among diverse stakeholders to formulate solutions for a more peaceful, stable, and equitable global order; and 2) promoting partnerships amongst a broad variety of societal actors, both domestic and international, with the aim to overcome the challenges of globalization for communities world wide. The funding maximum is $100K per year 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.
**Simons Collaborations in Mathematics and the Physical Sciences**

The Simons Foundation

https://www.simonsfoundation.org/funding/funding-opportunities/mathematics-physical-sciences/simons-collaborations-in-mat

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

Solicitation number:

The foundation invites applications for the Simons Collaborations in Mathematics and the Physical Sciences (MPS) program. The aim of this program is to stimulate progress on fundamental scientific questions of major importance in mathematics, theoretical physics, and theoretical computer science. Projects should address a mathematical or theoretical topic of fundamental scientific importance, where a significant new development creates a novel area for exploration or provides a new direction for progress in an established field. The questions addressed by the collaboration may be concrete or conceptual, but there should be little doubt that answering these would constitute a major scientific milestone. The project should have clearly defined initial activities and goals by which progress and its success can be measured. The support from the foundation should be seen as critical for the objectives of the project. The project should involve outstanding researchers with a range of career stages. Excellence of the scientific leadership is one of the main criteria in the selection process. The project should be organized and managed in a manner engendering a high level of collaboration. The maximum award is $2.5M per year for four years. Indirect costs are limited to 20 percent of the modified total direct costs. The foundation expects to make up to two awards in 2016.

Collaboration Directors should hold a faculty or an equivalent position at a U.S. or Canadian institution with a Ph.D. program. Letters of Intent are required and full proposals are by invitation only.

**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.

**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.
LEAF Grants - Restoration, Conservation and Best Practices - Limited Submission

Santa Barbara Foundation


Contact: Sharyn Main, 805/963-1873, smain@sbfoundation.org

Solicitation number:

The goal of the LEAF initiative is to strengthen community resiliency by preserving and enhancing the landscapes and systems that sustain nature, human health and our economy. Through collaborations with community partners, they support the development of science-based tools and approaches for lasting conservation and system improvements in Santa Barbara County. Small grants are offered to support habitat and ecosystem restoration, land conservation, and innovative practices to increase sustainability in agriculture and the local food system. The purpose of this grant program is to provide quick response funding to ensure momentum of projects already underway, seed or kick-start new efforts, build capacity for future phases of larger projects, take advantage of emerging opportunities, and leverage funds or fulfill local matching grant requirements. This grant program is designed for low-cost projects or a distinct part or phase of a larger project. Grant awards range from $1,500 to

10/30/2015 Full Application

SFARI Pilot and Research Awards

Simons Foundation


Contact: 646/654-0066, sciencerfa@simonsfoundation.org

Solicitation number:

The mission of the Simons Foundation Autism Research Initiative (SFARI) is to improve the understanding, diagnosis and treatment of autism spectrum disorders (ASD) by funding innovative research of the highest quality and relevance. This FOA seeks applications from independent investigators who can devote a substantial portion of time to this effort. While a minimum Principal Investigator (PI) effort is not required, it is expected that the PI to commit to a level of effort that reflects a leading role in the project. Applications from researchers who are not currently working on autism, but who have expertise that could be brought to bear on this complex disorder are encouraged. Collaborative grants involving multiple investigators are also accepted. The following applications will be considered: 1) SFARI Pilot Award for innovative, high-impact, proposals requesting support for small-scale projects or early-stage experiments with a maximum budget of $125K per year for up to two years, and 2) SFARI Research Award for competitive proposals from investigators with demonstrated expertise requesting support for compelling, high-impact research on experimental hypotheses for which, in most cases, preliminary data have already been gathered and with a maximum of $250K in funding per year for up to three years.

10/10/2015 Letter of Intent (required)

CCK Scholar Grants

The Chiang Ching-kuo Foundation for International Scholarly Exchange

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

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

Solicitation number:

The Foundation’s grants provide support for research on Chinese Studies in the humanities and social sciences. Tenured faculty, including full professors and associate professors, may apply for a CCK Scholar Grant of up to $40K or $35K, respectively, to help replace half of the salary of faculty on sabbatical, or for time off for research and writing. Junior Scholar Grants of $30K are available for scholars who have taught for no more than 6 years since receiving their PhD. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.
Borchard Foundation Center Academic Research Grant Program

Borchard Foundation Center on Law & Aging

http://www.borchardcla.org/academic-research-grant-program/grant-application-process

Contact: Mary Ciccarello, mjc@borchardcenter.org

Solicitation number:

The purpose of this program is to further scholarship about new or improved public policies, laws and/or programs that will enhance the quality of life for the elderly (including those who are poor or otherwise isolated by lack of education, language, culture, disability, or other barriers). Each grant recipient is required to publish an article on the subject of their research in a top flight journal.

The center awards up to 4 grants of $20K each 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.

New Directions (ND) Grants

American Chemical Society

http://www.acs.org/content/acs/en/funding-and-awards/grants/prf/programs/nd.html

Contact: Varies with research interest

Solicitation number:

The program provides funds to scientists and engineers with limited—or even no—preliminary results for a research project they wish to pursue, who intend to use the PRF-driven preliminary results to seek continuation funding from other agencies. ND grants are to be used to illustrate proof of concept/feasibility. Accordingly, they are to be viewed as seed money for new research ventures. A "new research direction" is something different from previous research performed by the lead principal investigator (lead PI). But, it may involve a field of science or engineering in which others are already working. Therefore, the proposed research should not be in the same direction as—or overlap with—current projects in the lead PI's research group. The maximum award amount is $110K over two years.

Research Associateship Programs

National Academy of Sciences

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

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

Solicitation number:

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

Solicitation number:
Post-Ph.D. Research Grants are awarded to individuals holding a Ph.D. or equivalent degree to support individual research projects. The program contributes to the Foundation’s overall mission to support basic research in anthropology. Grants provide a maximum of $20K and the Osmundsen Initiative supplement provides up to an additional $5K for a maximum grant of $25K. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Lawrence Foundation Grants
The Lawrence Foundation
http://www.thelawrencefoundation.org/grants/index.php
Contact: info@thelawrencefoundation.org

Solicitation number:
The Foundation is focused on making grants to support environmental, education, human services, and other causes. The Foundation makes both program and operating grants and does not have any geographic restrictions on our grants. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Simons Early Career Investigator in Marine Microbial Ecology and Evolution Awards
Simons Foundation
Contact: 646/751-1280, lifegrants@simonsfoundation.org

Solicitation number:
The purpose of these awards is to help launch the careers of outstanding investigators who use quantitative approaches to advance our understanding of marine microbial ecology and evolution. Investigators will focus directly on marine microbes or on fundamental problems that are highly relevant to understanding marine microbial ecosystems. The award amount will be $180K per year for a period of 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.

The Conservation Guest Scholar Program
The Getty Foundation
http://www.getty.edu/foundation/initiatives/residential/conservation_guest_scholars.html
Contact: 310/440-7374, researchgrants@getty.edu

Solicitation number:
The program supports new ideas and perspectives in the field of conservation, with an emphasis on the visual arts (including sites, buildings, objects) and the theoretical underpinnings of the field. The program provides an opportunity for professionals to pursue scholarly research in an interdisciplinary manner across traditional boundaries in areas of interest to the international conservation community. Conservation Guest Scholars are in residence at the Getty Center for three or six consecutive months between late September and June. A monthly stipend of $3.5K is awarded, prorated to the actual dates of residency. The grant also includes a workstation at the Conservation Institute, research assistance, airfare to Los Angeles, an apartment in the Getty scholar housing complex, and health benefits.
Individual Residential Fellowships
Center for Advanced Study in the Behavioral Sciences at Stanford University (CASBS)
Contact:
Solicitation number:
The Center offers a residential fellowship program for scholars from this country and abroad. Since 1954, CASBS fellowships have been awarded to scholars working in a diverse range of disciplines. These include the five core social and behavioral sciences (anthropology, economics, political science, psychology, and sociology) as well as a wide range of humanistic disciplines, education, linguistics, communications, and the biological, natural, health, and computer sciences. CASBS is a collaborative environment which aim to bring disciplines into contact with each other—to broaden scholars beyond their specialized training. A Center stipend is based on the fellow's academic salary for the year before residence and cannot exceed one-half of the fellow's academic year base salary. The cap is $70K.

Art History Fellowships
The Metropolitan Museum of Art
http://www.metmuseum.org/research/internships-and-fellowships/fellowships/art-history-fellowships
Contact: academic.programs@metmuseum.org
Solicitation number:
Fellowships at the Metropolitan Museum are an opportunity for a community of scholars from around the world to use the Museum as a place for exchange, research, and professional advancement. The fellows are fully integrated into the community of art history and conservation fellows and, through weekly gatherings and workshops, take part in research sharing and workshops that explore the inner workings of the Met. Fellows are given a workspace and access to libraries, collections, research facilities, labs, and, perhaps most importantly, the time and space to think. The stipend amount for one year is $32K for junior fellows and $42K for senior fellows, with up to an additional $6K for travel. 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.

Howard Fellowships
The George A. and Eliza Howard Foundation
http://brown.edu/Divisions/Graduate_School/Howard_Foundation/
Contact: 401/863-2640, Howard_Foundation@brown.edu
Solicitation number:
The Howard Foundation awards a limited number of fellowships each year for independent projects in selected fields, targeting its support specifically to early mid-career individuals, those who have achieved recognition for at least one major project. Approximately ten fellowships of $33K will be awarded in April 2016 for 2016-2017 in the fields of Creative Non-Fiction, Literary Translation into English, Film Studies, and Literary Studies. 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.
Huntington Fellowship

The Huntington

http://www.huntington.org/WebAssets/Templates/content.aspx?id=566

Contact: Steve Hindle, 626/405-2194, cpowell@huntington.org

Solicitation number:

The Huntington is an independent research center with holdings in British and American history, literature, art history, and the history of science and medicine. The Burndy Library consists of some 67,000 rare books and reference volumes in the history of science and technology, as well as an important collection of scientific instruments. The Huntington will award to scholars over 150 fellowships for the academic year 2016-2017. These fellowships derive from a variety of funding sources and have different terms. Recipients of all fellowships are expected to be in continuous residence at the Huntington and to participate in and make a contribution to its intellectual life. Short-term awards will last from one to five months with an award amount of $3K per month. Long-term awards range from nine to twelve months with an award amount of $50K.

Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Pew Biomedical Scholars 2016 - Limited Submission

The Pew Charitable Trusts

http://www.pewtrusts.org/en/projects/pew-biomedical-scholars/program-details

Contact: Anita Pepper, apepper@pewtrusts.org

Solicitation number:

The Pew Scholars Program in the Biomedical Sciences provides funding to young investigators of outstanding promise in science relevant to the advancement of human health. The program makes grants to selected academic institutions to support the independent research of outstanding individuals who are in their first few years of their appointment at the assistant professor level. Based on their performance during their education and training, candidates should demonstrate outstanding promise as contributors in science relevant to human health. Strong proposals will incorporate particularly creative and innovative approaches. Candidates whose work is based on biomedical principles, but brings in concepts and theories from more diverse fields, are encouraged to apply. Risk-taking is encouraged. The current grant level is $240k; $60K per year for a four-year period.

As of November 1, 2015, nominees must hold full-time appointments at the rank of assistant professor. (Appointments such as Research Assistant Professor, Adjunct Assistant Professor, Assistant Professor Research Track, Visiting Professor or Instructor are not eligible.) On July 1, 2015, candidates must have been in such an appointment for less than three years (not appointed before July 1, 2012), whether or not such an appointment was on a tenure track. Time spent in clinical internships, residencies, or in work toward board certification does not count as part of this three-year limit.

Lemelson-MIT Prize

Lemelson-MIT

http://lemelson.mit.edu/node/49

Contact: 617/253-3352, info-lemelson@mit.edu

Solicitation number:

The Lemelson-MIT Prize is awarded to outstanding mid-career inventors, who have developed a patented product or process of significant value to society, which has been adopted for practical use, or has a high probability of being adopted. The prize seeks to highlight the pivotal role inventive activity plays in the achievement of positive social, cultural and economic goals. Candidates may be individuals or two collaborating inventors, and they must be nominated by one of their peers. $500K will be awarded to the winner.

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.
Inclusive Excellence - 2017 Undergraduate Science Education Grants - Limited Submission

Howard Hughes Medical Institute

http://www.hhmi.org/programs/undergraduate-science-education-grants

Contact:

Solicitation number:

The Howard Hughes Medical Institute announces a new competition for science education grants to colleges and universities. The goal of this initiative is to help institutions build their capacity to effectively engage all students in science throughout their undergraduate years, especially those who come to college via non traditional pathways.

Through this initiative, HHMI will support colleges and universities that commit to measurably increase their infrastructure, resources, and expertise to involve undergraduate students in science, resulting in expanded access to excellence for all students. Our long-term aim is for successful strategies pioneered by the grantee institutions to serve as models to be adapted and adopted by other institutions.

The new competition will be open to US colleges and universities that award the baccalaureate degree in the natural sciences and are fully accredited, not-for-profit, four-year institutions. It will exclude the 40 universities awarded 2014 HHMI grants.

The Smithsonian Institution Fellowship Program

Smithsonian Institution

http://www.smithsonianofi.com/fellowship-opportunities/smithsonian-institution-fellowship-program/

Contact: 202/633-7070, siofi@si.edu

Solicitation number:

The program is the Smithsonian Institution’s centrally-funded flagship fellowship program. SI Fellowships are awarded annually to scholars wishing to conduct independent study or research related to Smithsonian facilities, experts, or collection for the increase and diffusion of knowledge at one or more of the Smithsonian’s 19 units and research centers. The program is open to graduate students, predoctoral students, postdoctoral researchers and senior researchers. Graduate student fellowships are offered for ten weeks and are not available for periods of less or more than ten weeks. The award amount is $7K. Predoctoral Student, Postdoctoral Researcher, and Senior Researcher Fellowships are typically 3 to 12 months in length, each with award amounts of $32.7K, $48K, and $48K respectively.

Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

UC and State of California

Ongoing

Resident Scholars Program

UC MEXUS

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

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

Solicitation number:

The UC MEXUS offers an academic residency program for researchers, scholars and artists at critical junctures in their academic careers. The Institute offers a place for reflection and writing as well as opportunities to interact with the University community. Resident scholars must be self-supporting, as the program does not provide salary. The program offers three types of residencies: 1) Graduate students, 2) recent university graduates, and 3) visiting faculty. Up to four concurrent residencies are available at a time. Please consult UC MEXUS to determine if any positions remain open.
UCHRI Supplemental Graduate Student Funding
University of California Humanities Research Institute (UCHRI)
http://uchri.org/cfps/uchri-supplemental-graduate-student-funding-2015-16/
Contact: Suedine Nakano, snakano@hri.uci.edu
Solicitation number:
This grant provides financial resources to create or augment support of research-driven, graduate student engagement in UC-wide research projects. PIs whose projects have already been funded for the 2015-16 cycle can apply for supplemental funding for a graduate student stipend that will allow the substantive inclusion of at least one graduate student in the project. Supplemental funding is intended to allow graduate students to participate significantly in large-scale research projects, to receive sustained mentorship from the professors involved in the project, and to help graduate students gain research and project management skills. Full integration means that PIs and project members share the full scope of the project with graduate students, how it was conceived, and what its future will be. Graduate students should be both collaborators and mentees and their participation in the project should be carefully considered and diligently managed. Up to $15K will be awarded for one year.

UCHRI Junior Faculty Manuscript Workshop
University of California Humanities Research Institute (UCHRI)
http://uchri.org/cfps/uchri-junior-faculty-manuscript-workshop-2015-16/
Contact: Suedine Nakano, snakano@hri.uci.edu
Solicitation number:
The grant provides financial resources to a junior faculty member to convene a workshop aimed at preparing their book manuscript for submission to a publisher. The workshop should convene experts from the faculty’s field of research, including more or less 5 UC-wide faculty plus 1-2 non-UC participants, for 1-2 days of manuscript-focused feedback. An expert editor could be counted as one of the invited participants. The aim is to provide junior UC faculty with quality feedback from experts in the field on a first full draft of a pre-tenure book manuscript in preparation for submission to a publisher for a contract or for publication (the draft must include versions of every chapter to be included in the final book). Awarded funds may be used to cover invitee travel and accommodation, where necessary, food costs to support the meeting, and modest honoraria for the participant commentators. Up to $5K will be awarded per project.

Release Time Awards
Interdisciplinary Humanities Center
http://www.ihc.ucsb.edu/release-time-awards/
Contact: Emily Zinn, ezinn@ihc.ucsb.edu
Solicitation number:
Awards will be given to ladder rank faculty to release them from teaching one quarter to concentrate on research projects. Recipients must be in residence during the fellowship term; while the award releases the recipient from teaching responsibilities, it does not exempt him or her from service and advising responsibilities. Award recipients will be designated IHC Fellows and are required to deliver a public lecture or hold a seminar on a topic related to their research during their tenure as fellows. The award does not provide a salary supplement. It will be calculated as a replacement cost of up to $5K for one course.

IHC Collaborative Research Grants
Interdisciplinary Humanities Center
http://www.ihc.ucsb.edu/collaborative-research-grants-2/
Contact: Emily Zinn, ezinn@ihc.ucsb.edu
Solicitation number:
Awards will be made to support collaborative projects. Eligible projects include conferences at UCSB or in the Santa Barbara area; collaborative research or instructional projects by faculty in one or more departments/programs; and initiatives to bring visiting scholars and arts practitioners to campus for collaborative research or teaching (where appropriate such scholars may be appointed Visiting Fellows of the IHC). The award amounts up to $3K.
Santa Barbara Cottage Hospital Research Grants
Santa Barbara Cottage Hospital
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.

Suedine Nakano, snakano@hri.uci.edu

UCHRI invites proposals to use our on-site institutional resources — which include furnished apartments and meeting rooms on UC Irvine’s campus — for short-term working residencies. Committed research groups are invited to come to UCHRI to work together on a project already underway and with a designated outcome in sight. Residencies may run up to two weeks, depending on need and availability. This grant will cover reasonable costs of relocation to UCHRI. Residencies are available for a team of at least two and no more than ten residents representing any discipline or field in the humanities and humanistic social sciences, or in conjunction with scholars, artists, scientists, and experts across various disciplines. In larger groups, participation by faculty from a range of UC campuses, disciplines, and levels of career development is required. Proposed projects should advance the field of humanistic scholarship and engage in multi-disciplinary and multi-campus research. Although preference will be given to proposals with projects already underway, UCHRI will consider less-developed projects provided that there is a compelling case made for benefiting from an intense research residency.