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

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Campus and Agency News

NEW NIH POLICY ON APPLICATION APPENDIX MATERIAL
This Notice alerts the scientific research community of plans to eliminate most appendix materials for applications submitted to the NIH, AHRQ or NIOSH for due dates on or after January 25, 2017. Application instructions will be updated by November 25, 2016 to reflect this change. All information submitted with an application except the cover letter, assignment request form and appendix information are assembled into a single application image for funding consideration. The different sections within the application image are specified in the application instructions and correspond to the standard review criteria.

NSF DEAR COLLEAGUE LETTERS

The National Science Foundation often releases Dear Colleague letters to solicit proposals related to particular areas of high funding priority for the agency. Below are some recently released announcements relevant to UCSB researchers.

Dear Colleague Letter: Special Guidelines for Submitting Collaborative Proposals under the US NSF/GEO - UK Lead Agency Opportunity
The US NSF and the RCUK signed a Memorandum of Understanding (MOU) on Research Cooperation in June of 2013. The MOU provides an overarching framework to encourage collaboration between US and UK research communities and sets out the principles by which jointly supported activities might be developed. The MOU provides for a lead agency arrangement whereby proposals may be submitted to either NSF or NERC. Proposals will be accepted for collaborative research in areas at the intersection of NSF/GEO and NERC interest as set out in this DCL.

Dear Colleague Letter: Arctic Research Utilizing the Swedish Icebreaker ODEN
This Dear Colleague Letter provides guidance for U.S. scientists who will request support from the Division of Polar Programs to conduct research on a second research cruise planned for 2018. Swedish research projects are likely to support efforts outlined in the Swedish Road Map for Polar Research. U.S. investigators should propose studies consistent with the Arctic Research Opportunities solicitation to be performed from the ODEN working in the eastern Arctic Ocean or other areas outside of the Bering, Chukchi and Beaufort seas that are typically serviced by the USCGC HEALY and R/V SIKULIAQ. Proposals that contribute to the Year of Polar Prediction (YOPP) are also appropriate. Please contact Dr. Neil Swanberg to discuss ideas prior to submission and for the most up-to-date information on cruise plans.

Dear Colleague Letter: Re-competition of Operations and Management of the NSF-supported AMISR Facilities located at Poker Flat, AK and Resolute Bay, Canada
The NSF is planning a competition for the support of the management and operations of
either one or the other AMISR facility following the expiration of the current AMISR Cooperative Agreement that supports both AMISR observatories. The planned competition will be held via an open, merit-based, external peer-review process consistent with the NSF Grant Proposal Guide and the NSB Resolution on Competition and Re-competition of NSF Awards. AGS is currently preparing the program solicitation for this competition, which is expected to lead to two cooperative agreements following the completion of the current AMISR cooperative agreement, which is expected to end on 30 November 2017. This letter provides general information regarding the upcoming competition and invites interested members of the community to contact the designated NSF representative indicated below to provide information those community members believe is important for the planned competition.

Dear Colleague Letter: Data Infrastructure Building Blocks (DIBBs) program PI/coPI Meeting

With this Dear Colleague Letter (DCL), the National Science Foundation’s (NSF) Division of Advanced Cyberinfrastructure (ACI) in the Directorate for Computer & Information Science & Engineering (CISE) announces the organization of the first workshop for Principal Investigators (PIs) and co-PIs funded by active awards under the Data Infrastructure Building Blocks (DIBBs) program. This invitation-only workshop will take place in early FY 2017, contingent upon available funding.

Dear Colleague Letter: MPS AGEP-GRS
http://www.nsf.gov/pubs/2016/nsf16125/nsf16125.jsp

The Directorate for Mathematical and Physical Sciences (MPS) encourages Principal Investigators (PIs) of current MPS awards to support one (additional) Ph.D. student per award, through a partnership with the Division of Human Resource Development (HRD) in the Directorate of Education and Human Resources (EHR). This opportunity is available to PIs with current MPS research awards whose institutions and/or academic units are either currently participating in the EHR-sponsored “Alliances for Graduate Education and the Professoriate” (AGEP) program; or whose institutions and/or academic units have participated in the AGEP program in the past (AGEP Legacy institutions). Such PIs may apply to MPS for a supplement to defray the costs for: stipend, tuition, benefits and indirect costs for a graduate research student working on the MPS-funded research. For the purposes of this Dear Colleague Letter, this funding opportunity will be abbreviated to: AGEP - Graduate Research Supplements (AGEP-GRS).

TRAINING FOR ADMINISTRATORS IN RESEARCH (STAR)

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

The program is designed for employees with duties and responsibilities related to contract and grant administration. Participants are welcome to take one or several courses in areas of particular interest to them—or they may opt to earn a certificate in the STAR program. The certificate program offers 11 required courses offered from September through May. To earn a certificate, you must take all 11 classes. Staff members who wish to earn a STAR Program Certificate must complete the coursework in one or two years from the date they begin the course series. For more information, including a complete list of courses and registration information, visit http://www.research.ucsb.edu/spo/contracts-and-grants-liaison-resources/star-class-schedule/
Upcoming:
Cost Principles and Cost Accounting Standards (2.5 hours)
This course provides an in-depth exploration of the components of a proposal budget, including salary and benefit costs, equipment, participant support, supplies, and indirect cost calculation. This course will also include interactive exercises for preparation of proposal budgets and Academic Titles. Course consists of lecture and one lab session.
Offered: Wednesday, October 12, 2016; 9:00am-11:30am
Instructors: Jim Corkill and Tyler Clark
Location: Marine Science Building Auditorium (MSB 1302)

Proposal Budget Preparation (3 hours)
This course provides an in-depth exploration of the components of a proposal budget, including salary and benefit costs, equipment, participant support, supplies, and indirect cost calculation. This course will also include interactive exercises for preparation of proposal budgets and Academic Titles. Course consists of lecture and one lab session.
Offered: Wednesday, October 26, 2016; 9:00am-12:00noon
Location: Marine Science Building Auditorium (MSB 1302)
Instructors: Clay Greaney, Janet Kim, Jane Allen and Joanna Kettmann

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

Programs with upcoming campus deadlines include:
- NIH BD2K Research Education Curriculum Development: Data Science Overview for Biomedical Scientists (R25)—Campus Notice of Intent (required) 9/27/2016; Full Proposal 12/01/2016
- NEH Dialogues on the Experience of War—Campus Notice of Intent (required) 10/04/2016; Full Proposal 11/02/2016

Programs with open campus spots (please contact funding@research.ucsb.edu if you are interested in submitting to one of these programs):
- NIH Bridges to the Doctorate—Application 9/25/2016
- DHS Scientific Leadership Awards for Minority Serving Institutions (MSI) Granting Bachelor Degrees—Application 10/05/2016
- NSF Advancing Digitization of Biodiversity Collections (ADBC)—Full Proposal 10/14/2016
- DHS Center of Excellence for Homeland Security Quantitative Analysis – Center Lead—Full Proposal 11/01/2016
Data provided by Office of Research. "( )" represent investigators’ home departments when those are different from the administering unit.


Barbieri-low, A. (History), Interdisciplinary Humanities Center, $40,000, Chiang Ching-Kuo Foundation for International Scholarly Exchange (Taiwan), “The Many Lives of the First Emperor of China, from History to Myth to Popular Culture.”

Bianchini, J. (Education), Gevirtz Graduate School of Education, $101,047, UC Santa Cruz, “Science and Mathematics Teacher Research Initiative (SMTRI).”

Buntaine, M.T. (Donald Bren School of Environmental Science & Management), Institute for Social, Behavioral, & Economic Research, $125,000, College of William And Mary, “Harnessing the Crowd to Improve Accountability for the Delivery of Public Services.”


Caselle, J.E., Marine Science Institute, $131,040, UC Santa Cruz, “Collecting Data: Assessing ecosystem conditions and trends: Subtidal.”

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

Dagli, N., Electrical & Computer Engineering, $150,000, National Science Foundation, “Novel Graphene Modulators.”

Dai, X., Mathematics, $153,228, National Science Foundation, “Analytic Torsion, Conical Singularity and Geometric Applications.”

Dozier, J.C. (Geography), Brandt, W.T., Earth Research Institute, $30,000, National Aeronautics and Space Administration, “Using the spatial variability of snow accumulation to evaluate the orographic effect in California’s Sierra Nevada.”

Dudley, T.L., Marine Science Institute, $188,043, California EPA Pesticide Regulation, “California Alliance for Tamarisk Biocontrol.”

Dunbar, N.E. (Communication), Metzger, M.J. (Communication), Institute for Social, Behavioral, & Economic Research, $561,655, University of Maryland, “SCAN: Socio-Cultural Adversarial Networks.”

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

Ford, P.C., Chemistry & Biochemistry, $511,729, National Science Foundation, “Photo-Uncaging and Delivery of Bioactive Small Molecules.”


Genetti, C.E., Graduate Division, $4,113,167, National Science Foundation, “NSF Graduate Research Fellowship Program.”


Han, H.C. (Political Science), Institute for Social, Behavioral, & Economic Research, $63,800, Center for Community Change, “Testing the Effectiveness of Integrated Voter Engagement Models.”

Hayes, C.S., Low, D.A., Molecular, Cellular & Developmental Biology, $1,239,660, National Institutes of Health, “Molecular mechanisms of antibacterial CDI toxin activation.”


Leung, N.Y. (Biomedical Science and Engineering), Montell, C. (Molecular, Cellular & Developmental Biology), Neuroscience Research Institute, $107,562, National Institutes of Health, “Novel rhodopsin-interacting proteins required for phototransduction.”

Lipshutz, B.H. (Chemistry & Biochemistry), Institute for Terahertz Science & Technology, $450,000, National Science Foundation, “GOALI: A Collaboration on Catalysis Between UCSB and Novartis.”

McCourt, M.K., Bildsten, L., Physics, $112,867, Association of Universities for Research in Astronomy, “STScI Hubble Fellowship.”


Muse, A.S., Early Childhood Care and Education Services, $125,101, California Department of Education, “2016-2017 California Department of Education, General Child Care, CCTR.”


Muse, A.S., Early Childhood Care and Education Services, $4,999, Santa Barbara County, “First 5 Capacity Building Project.”


Muse, A.S., Early Childhood Care and Education Services, $66,327, California Department of Education, “2016-2017 California Department of Education, General Child Care, CCTR.”

Muse, A.S., Early Childhood Care and Education Services, $30,466, California Department of Education, “2016-2017 California Department of Education, General Child Care, CCTR.”


Nidzieko, N. (Geography), Earth Research Institute, $188,794, Northrop Grumman Corporation, “Annual Naval Technology Demonstration.”

Ovando, D.A., Costello, C.J. (Donald Bren School of Environmental Science & Management), Marine Science Institute, $76,569, UC Sea Grant College Program, “A Bayesian Framework for Utilizing Fishery Independent Marine Protected Area Monitoring Data in Stock Assessments.”


Peters, B., Chemical Engineering, $301,866, National Science Foundation, “Atomically dispersed amorphous catalysts: ab initio computational tools for a new frontier.”

Pollock, T., Beyerlein, I.J. (Mechanical Engineering), Materials, $1,492,921, Office of Naval Research (ONR), “Stress Distribution in Polycrystalline Ensembles in Structural Alloys.”

Rioux, M.E., Earth Research Institute, $210,557, National Science Foundation, “Collaborative Research: The four-dimensional distribution of magmatism during the growth of lower oceanic crust: High precision U-Pb dating of IODP Hole U1473A, Atlantis Bank, SWIR.”


Rumberger, R.W. (Education), Gibson, K.L. (Education), Gevirtz Graduate School of Education, $100,000, Get Focused, Stay Focused Inc, “Get Focused, Stay Focused Evaluation.”

Saleh, O.A., Materials, $390,000, National Science Foundation, “Single-molecule studies of hyaluronic acid.”


Scott, S.L., Chemical Engineering, $225,000, National Science Foundation, “Collaborative Research: SusChEM: Designing Catalytic Interfaces to Promote Selective Lignin Depolymerization.”


Sherwin, M., Han, S. (Chemistry & Biochemistry), Physics, $800,000, National Science Foundation, “Time Resolved conformational changes of proteins by very high frequency Gd3+ EPR.”

Shukla, S., Husak, G.J., Geography, $600,070, National Aeronautics and Space Administration, “Enhancing Eastern and Southern Africa climate services by increasing access to remote sensing and model datasets.”

Siegel, D.A. (Geography), Catlett, D.S., Earth Research Institute, $30,000, National Aeronautics and Space Administration, “Linking Ocean Optical
Properties with Marine Microbial Diversity Assessed by Next-Generation Sequencing.”

Steidl, J., Earth Research Institute, $200,000, University of Southern California, “Central California Special Project: Temporary Seismic Deployment.”


Valentine, M.T., Mechanical Engineering, $112,500, Gordon and Betty Moore Foundation, “SCIALOG Awards: ‘Deconstructing the cell’s mechanical circuits’ and ‘Commoditizing advanced molecular imaging techniques’

Valentine, D.L. (Earth Science), Marine Science Institute, $364,254, National Science Foundation, “Collaborative Research: Do Cyanobacteria Drive Marine Hydrocarbon Biogeochemistry?”

Van de Walle, C.G., Materials, $405,000, Department of Energy, “Uncovering and surmounting loss mechanisms in nitride light emitters.”

Van de Walle, C.G., Materials, $420,000, Department of Energy, “Computational studies of hydrogen interactions with Materials.”

Vanderwarker, A. (Anthropology), Biwer, M.E. (Anthropology), Institute for Social, Behavioral, & Economic Research, $12,940, National Science Foundation, “Doctoral Dissertation Research: Cuisine, Colonialism, and Culture Contact: An Analysis of Paleoethnobotanical Remains in the Wari Empire (AD 600-1000).”

Washburn, L. (Geography), Marine Science Institute, $386,800, UC San Diego, “Southern California Regional Coastal Ocean Observing System: Surface Current Mapping (HFR) and Quality Control (QC).”

Wilson, S.D., Stemmer, S., Materials, $3,500,000, California Institute of Technology-Cal Tech, “Quantum Materials by Design with Electromagnetic Excitation.”


Yang, H.T., Hansma, P.K. (Physics), Mechanical Engineering, $100,000, National Science Foundation, “Study of Cutting Tools and Processes Used in the Natural World to Develop Highly Efficient Manufacturing Processes.”

Young, A. (Physics), California Nanosystems Institute, $450,000, Army Research, Wash D.C. Office, “Towards Synthetic Nonabelions in Graphene Heterostructures.”

Young, A. (Physics), Gordon, M. (Chemical Engineering), California Nanosystems Institute, $499,652, DA Army Materiel Command/Hq, “HBCU/MI Acquisition of UV/Vis/Raman Spectroscopy and Imaging Instrumentation for Physics and Engineering Research.”

Zok, F.W., Materials, $95,000, IHI Corporation, “Environmental Effects in Ceramic Composites at Elevated Temperatures.”
Helpful Hints

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

Department of Defense (DOD)

Ongoing

Research Interests of the Air Force of Scientific Research

Air Force Research Laboratory

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

Contact: Varies with research interest
Solicitation number: BAA-AFRL-AFOSR-2015-0001

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

The focus of AFOSR is on research areas that offer significant and comprehensive benefits to our national warfighting and peacekeeping capabilities. These areas are organized and managed in two scientific Departments: Engineering and Information Science (RTA) and Physical and Biological Sciences (RTB). Awards average $200-400K per year and may be proposed for up to five years. Proposals may be submitted at any time, though it is recommended to contact the appropriate program manager prior to submission. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Ongoing

AFRL Research Collaboration Program

Department of Defense (DoD)

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

Contact: Angela Campbell, 937/656-7736, Angela.Campbell@wpafb.af.mil
Solicitation number: BAA-RQKM-2013-0005

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

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).

Varies with research interest


Contact: Varies with research interest

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

AFRL RD/RV University Cooperative Agreement

Department of Defense (DoD)


Contact:

Solicitation number: BAA-RVKV-2015-0003

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

9/30/2016 Application

Long Range Broad Agency Announcement (BAA) for Navy and Marine Corps Science and Technology

Office of Naval Research (ONR)

http://www.onr.navy.mil/~/media/Files/Funding-Announcements/BAA/2016/N00014-16-R-BA001.ashx

Contact: Varies with research interest

Solicitation number: N00014-16-R-BA01

The ONR is interested in receiving proposals for Long-Range Science and Technology (S&T) Projects which offer potential for advancement and improvement of Navy and Marine Corps operations. The ONR Program Codes and the science and technology thrusts that ONR is pursuing are: 1) Expeditionary Maneuver Warfare & Combating Terrorism Department; 2) Command, Control Communications, Computers, Intelligence, Surveillance, and Reconnaissance (C4ISR); 3) Ocean Battlespace Sensing; 4) The Sea Warfare and Weapons Department; 5) Warfighter Performance; and 6) Naval Air Warfare and Weapons. Awards may take the form of contracts, grants, cooperative agreements, and other transaction agreements, as appropriate.

10/10/2016 Full Proposal

Naval Engineering Education Consortium (NEEC)

Department of Defense (DoD)


Contact:

Solicitation number: NSWC IHEODTD BAA N00174-16-0004

On behalf of the Naval Sea Systems Command (NAVSEA) Warfare Centers, Naval Surface Warfare Center (NSWC) Indian Head Explosive Ordnance Disposal Technology Division (IHEODTD) is soliciting research of interest in support of the NEEC. Please refer to the RFP for topics of interest.
Extreme Optics and Imaging (EXTREME)
Defense Advanced Research Projects Agency (DARPA)

http://www.grants.gov/web/grants/view-opportunity.html?oppId=287909

Contact:
Solicitation number: DARPA-BAA-16-58

The Defense Sciences Office at the Defense Advanced Research Projects Agency (DARPA) is soliciting innovative research proposals in the area of optical systems capable of extreme performance and/or capabilities, which utilize Engineered optical Materials (EnMats). Proposed research should investigate innovative approaches that enable revolutionary advances in science, devices, and/or systems. Specifically excluded is research that primarily results in evolutionary improvements to the existing state of practice.

Explainable Artificial Intelligence (XAI)
Defense Advanced Research Projects Agency (DARPA)

http://www.grants.gov/web/grants/view-opportunity.html?oppId=287284

Contact: XAI@darpa.mil
Solicitation number: DARPA-BAA-16-53

DARPA is soliciting innovative research proposals in the areas of machine learning and human-computer interaction. The goal of Explainable Artificial Intelligence (XAI) is to create a suite of new or modified machine learning techniques that produce explainable models that, when combined with effective explanation techniques, enable end users to understand, appropriately trust, and effectively manage the emerging generation of Artificial Intelligence (AI) systems. Proposed research should investigate innovative approaches that enable revolutionary advances in science, or systems. Specifically excluded is research that primarily results in evolutionary improvements to the existing state of practice.

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.
Multidisciplinary Research Program of the University Research Initiative

Department of Defense (DoD)


Contact: Varies by agency

Solicitation number: N00014-16-R-FO05

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

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

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

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

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

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

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

Department of Energy (DOE)

9/30/2016 Concept Paper

Innovative Development in Energy-Related Applied Science (IDEAS)

Department of Energy

https://arpa-e-foa.energy.gov/ - FoaId45210635-66d2-4e12-a9ee-fb39dca1d01b

Contact: ExchangeHelp@hq.doe.gov

Solicitation number: DE-FOA-0001428

This Funding Opportunity Announcement (FOA) provides a continuing opportunity for the rapid support of early-stage applied research to explore innovative new concepts with the potential for transformational and disruptive changes in energy technology. IDEAS awards are intended to be flexible and may take the form of analyses or exploratory research that provides the agency with information useful for the subsequent development of focused technology programs. IDEAS awards may also support proof-of-concept research to develop a unique technology concept, either in an area not currently supported by the agency or as a potential enhancement to an ongoing focused technology program. Applications must propose concepts that are not covered by open ARPA-E focused FOAs and that also do not represent incremental improvements over existing technology. IDEAS awards are defined as single-phase efforts of durations 12 months or less with a total project cost of $500K or less and will be issued through Grants.
Bioenergy Research Center
Department of Energy


Contact: Michael Hill, michael.hill@science.doe.gov
Solicitation number: DE-FOA-0001540

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

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

11/14/2016  Full Application

Early Career Research Program
Department of Energy


Contact: Questions regarding the specific program areas/technical
Solicitation number: DE-FOA-0001625

The Office of Science of the Department of Energy hereby invites grant applications for support under the Early Career Research Program in the following program areas: Advanced Scientific Computing Research (ASCR); Biological and Environmental Research (BER); Basic Energy Sciences (BES), Fusion Energy Sciences (FES); High Energy Physics (HEP), and Nuclear Physics (NP). The purpose of this program is to support the development of individual research programs of outstanding scientists early in their careers and to stimulate research careers in the areas supported by the DOE Office of Science. While the minimum award size is $750k, DOE expects the typical award size will be $750k over five years.

Eligibility: The Principal Investigator must be an untenured Assistant Professor on the tenure track or an untenured Associate Professor on the tenure track at a U.S. academic institution as of the deadline for the application. No more than ten (10) years can have passed between the year the Principal Investigator’s Ph.D. was awarded and the year of the deadline for the application. For the present competition, those who received doctorates no earlier than 2006 are eligible.

Department of Homeland Security (DHS)

11/1/2016  Application

Center of Excellence for Homeland Security Quantitative Analysis – Center Lead - Limited Submission
Department of Homeland Security


Contact: Shareef Prater, shareef.prater@dhs.gov
Solicitation number: DHS-16-ST-061-HSQA-LEAD

The Department of Homeland Security (DHS) Science and Technology Directorate (S&T) Office of University Programs (OUP) is requesting applications from U.S. colleges and universities to lead a consortium of universities for a Center for Homeland Security Quantitative Analysis (CHSQA). The Center for Homeland Security Quantitative Analysis (CHSQA) will conduct end user-focused research to enhance the application of analytic tools that support real-time decision making to address homeland security-related threats and hazards. This Center of Excellence (COE) will also provide education and professional development to improve data management and analysis, to facilitate operations research and systems analysis, to identify the economic impact of security threats and hazards, and to critically assess future risks posed to the DHS mission set. The overarching goal of the Center will be to develop the next generation of mathematical, computational, and statistical theories (including algorithms, methods, and tools) to advance quantitative analysis capabilities of the homeland security enterprise (HSE). The approximate award is $4M a year for 10 years.
### Department of State

**DRL Freedom of Expression in Latin America - Limited Submission**

Department of State, Bureau of Democracy, Human Rights, and Labor (DRL)

http://www.state.gov/j/drl/p/261556.htm

Contact: Alex Covington, CovingtonAP@state.gov

Solicitation number: DRLA-DRLAQM-16-090

The U.S. Department of State’s Bureau of Democracy, Human Rights and Labor (DRL) announces an open competition for an approximately 24-month regional project to defend and bolster press freedom and freedom of expression in Latin America. The goal of the project is to promote a strategic regional approach to combating restrictive media policies and regulations and other government constraints to free expression. Applications should represent demand-driven support for civil society to monitor freedom of expression-related challenges and conduct national, regional, and international advocacy. Proposals should include at least three countries; applicants should explicitly demonstrate the rationale behind selection of each country and any civil society groups selected. Applicants may include cost effective exchange of best practices between NGOs confronting similar challenges. Projects should have the potential to have an immediate impact leading to long-term sustainable reforms, and should have potential for sustainability beyond DRL resources. DRL’s preference is to not duplicate past efforts, but instead support new and creative approaches. This does not exclude from consideration projects that improve upon or expand existing successful projects in a new and complementary way. DRL also strives to ensure its projects advance the rights and uphold the dignity of the most vulnerable or at-risk populations. Award range from $500k - $900k.

### Department of the Interior (DOI)

**National Fish Habitat Action Plan**

Department of the Interior

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

Contact: varies with research intent

Solicitation number: F16AS00029

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

Applications are accepted on a rolling basis.

### Institute of Peace

**Priority Grant Competition**

Institute of Peace

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

Contact: Varies with research interest

Solicitation number:

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

### National Aeronautics and Space Administration (NASA)
ROSES 2016: Hot Operating Temperature Technology

National Aeronautics and Space Administration


Contact:
Solition number: NNH16ZDA001N-HOTTCH

The Hot Operating Temperature Technology (HOTTech) program supports the advanced development of technologies for the robotic exploration of high-temperature environments, such as the Venus surface, Mercury, or the deep atmosphere of Gas Giants. The goal of the program is to develop and mature technologies that will enable, significantly enhance, or reduce technical risk for in situ missions to high-temperature environments with temperatures approaching 500 degrees Celsius or higher. It is a priority for NASA to invest in technology developments that mitigate the risks of mission concepts proposed in response to upcoming Announcements of Opportunity (AO) and expand the range of science that might be achieved with future missions. Note that this HOTTech program element is not soliciting hardware for a flight opportunity.

ROSES 2016: Airborne Instrument Technology Transition

National Aeronautics and Space Administration


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

Solicitation number: NNH16ZDA001N-AITT

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

ROSES 2016: Interdisciplinary Science

National Aeronautics and Space Administration


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

Solicitation number: NNH16ZDA001N-IDS

Proposed research investigations will meet the following criteria: a) offer a fundamental advance to our understanding of the Earth system; b) be based on remote sensing data, especially satellite observations, but including suborbital sensors as appropriate; c) go beyond correlation of data sets and seek to understand the underlying causality of change through determination of the specific physical, chemical, and/or biological processes involved; d) be truly interdisciplinary in scope by involving traditionally disparate disciplines of the Earth sciences; and e) address at least one of the five specific themes listed this solicitation: (1) Understanding the Global Sources and Sinks of Methane; (2) Ecology at Land/Water Interfaces – Human and Environmental Interfaces; (3) Understanding the Linkages Among Fluvial and Solid Earth Hazards; (4) Life in a Moving Ocean; or (5) Partitioning of Carbon Between the Atmosphere and Biosphere. The results of these investigations will improve our capability for both prognostic predictions and retrospective simulations of the Earth system. They will also advance our understanding of the vulnerabilities in human and biogeochemical systems and their relationships to climate extremes, thresholds, and tipping points. Meeting these goals requires approaches that integrate the traditional disciplines of the Earth sciences, as well as innovative and complementary use of models and data. The maximum duration of awards is 3 years.
ROSES 2016: Mars Data Analysis Program

National Aeronautics and Space Administration


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

Solicitation number: NNH16ZDA001N-MDAP

The objective of this program is to enhance the scientific return from missions to Mars conducted by NASA and other space agencies. These include, but are not limited to, the following missions: Mars Pathfinder (MPF), Mars Global Surveyor (MGS), Mars Odyssey (MO), Mars Exploration Rovers (MERs), Mars Express (MEX), Mars Reconnaissance Orbiter (MRO), Phoenix (PHX), Mars Science Laboratory (MSL), and Mars Atmosphere and Volatile EvolutioN (MAVEN). Any proposal may incorporate the investigation of data from more than one mission. Additional information about these missions, as well as references containing preliminary science results, can be found on the Mars Exploration Program (MEP) homepage at: http://mars.jpl.nasa.gov/.

Investigations submitted to this program must demonstrate how the research to be undertaken will directly improve our understanding of open science questions at Mars relevant to current hypotheses. Tasks responsive to this call include 1) data analysis tasks, 2) nondata-analysis tasks that are necessary to analyze or interpret the data, and 3) nondata-analysis tasks that significantly enhance the use or facilitate the interpretation of mission data. These tasks may incorporate theory, modeling, laboratory studies, correlative analyses, and/or other research. Proposals that include nondata-analysis tasks to enhance the use or facilitate the interpretation of mission data must incorporate the results of such tasks in the analysis or interpretation of mission data to be responsive to this call. MDAP does not support field studies or the acquisition of new astronomical observations. The maximum duration of awards is 4 years.

ROSES 2016: Ocean Salinity Science Team

National Aeronautics and Space Administration


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

Solicitation number: NNH16ZDA001N-OSST

The program supports basic research and analysis activities associated with production, improvement, and understanding of sea surface salinity data. The objective of this program element is to renew or select additional members for the OSST to support the salinity science within NASA’s Physical Oceanography Program. The overall goals of the OSST are to provide the scientific underpinning for production of the best possible satellite-derived ocean salinity data sets and to demonstrate the Earth science and applications arising from analyses of the ocean surface salinity data. The team assures that data made available are of the highest quality and validated for scientific exploitation. It also conducts ocean science investigations that are possible only through exploitation of remotely sensed sea surface salinity. The maximum duration of awards is 3 years.

ROSES 2016: Heliophysics Living With a Star Science

National Aeronautics and Space Administration


Contact: Jeff Morrill, 202/358-3744, jeff.s.morrill@nasa.gov

Solicitation number: NNH16ZDA001N-LWS

The goal of the program is to develop the scientific understanding needed for the U.S. to effectively address those aspects of Heliophysics science that may affect life and society. LWS Science solicits proposals for research that will lead to a physics-based understanding of the integral system linking the Sun to the Solar System, including the impact on the heliosphere, planetary magnetospheres, and ionospheres.
ROSES 2016: Sea Level Change Science Team

National Aeronautics and Space Administration


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

Solicitation number: NNH16ZDA001N-SLCT

This solicitation calls for proposals to improve the accuracy and spatial resolution of sea level change estimates and communicate these results in a simplified manner to the scientific community and general public. It serves to continue the work of the NASA Sea Level Change Team initiated in 2014. It also serves as a mechanism for the U.S. to make a substantial contribution to the World Climate Research Program (WCRP) Grand Challenge on Regional Sea Level Change and Coastal Impacts. This program is intended to integrate research results, data sets, and model output to improve the accuracy and spatial resolution of sea level change estimates, and communicate these results in a simplified manner to the scientific community and the general public. It is focused on the following objectives. These objectives were chosen as areas critical to improved understanding of sea level change, but lacking adequate support: (1) Characterizing current changes in sea level: Global and regional sea level projections that extrapolate from satellite and contemporary observations; (2) Characterizing underlying processes and improving predictions of regional variations in sea level; (3) Improving knowledge of ice mass change that specifically improves estimates of current and future sea level rise; and (4) Integrating these results into better forecasts of sea level rise. The maximum duration of awards is 3 years.

10/24/2016 Full Proposal (by invitation only)

Space Technology Research Institutes (STRI) - Limited Submission

National Aeronautics and Space Administration

https://www.fbo.gov/notices/1da1168bb868634d0b8104b014fb34dc

Contact: HQ-STMD-STRI@mail.nasa.gov

Solicitation number: NNH16ZOA001N_16STRII_B3

The goal of an STRI is to strengthen NASA’s ties to the academic community through long-term, sustained investment in research and technology development critical to NASA’s future. The STRIs will enhance and broaden the capabilities of the Nation’s universities to meet the needs of NASA’s science and technology programs. These investments will also create, fortify, and nurture the talent base of highly skilled engineers, scientists, and technologists to improve America’s technological and economic competitiveness. The planned award duration is 5 years; the maximum annual award amount is $3M (total award amount may not exceed $15M). Up to two awards are anticipated.

NASA is soliciting STRIs in the two technology areas: (1) Bio-Manufacturing for Deep Space Exploration; (2) Computationally Accelerated Materials Development for Ultra High Strength Lightweight Structures

10/28/2016 Step-2 Proposal

ROSES 2016: Lunar Data Analysis Program

National Aeronautics and Space Administration


Contact: Robert Fogel, 202/358-2289, rfogel@nasa.gov

Solicitation number: NNH16ZDA001N-LDAP

This program funds research on the analysis of recent lunar missions in order to enhance their scientific return. LDAP broadens scientific participation in the analysis of mission data sets and funds high-priority areas of research that support planning for future lunar missions. LDAP supports scientific investigations of the Moon using publicly available (released) data. An investigator may propose a study (e.g., scientific, landing site science, cartographic, topographic, geodetic research, etc.) based on analysis of lunar data collected by spacecraft at the Moon (listed above). Proposals may incorporate the analysis of data from more than one mission. Moreover, data analyses that require the use of older mission data sets (e.g., Apollo, Clementine) are allowable. The maximum duration of awards is 4 years.
**ROSES 2016: Heliophysics Grand Challenges Research**
National Aeronautics and Space Administration


Contact: Mona Kessel, 202/358-0064, mona.kessel@nasa.gov

Solicitation number: NNH16ZDA001N-HGCR

The goals of the program are specifically designed to support investigations of complex problems that fall within the general realm of Heliophysics and whose full resolution has remained elusive. Work on such problems has traditionally been carried out by independent research groups that employ observational, theoretical, and modeling-based approaches. Increasingly, major advances in the field are taking place as a result of the close interactions between observers, theorists, and modelers. Thus, a coherent attack on the most challenging broad problems requires the efforts of a synergistically interacting group of multidisciplinary teams led by a single Principal Investigator, so as to enable deep and transformative science. The maximum duration of awards is 3 years.

**11/4/2016  Step-2 Proposal**

**ROSES 2016: K2 Guest Observer- Cycle 5**
National Aeronautics and Space Administration


Contact: Mario Perez, 202/358-1535, mario.perez@nasa.gov

Solicitation number: NNH16ZDA001N-K2GO5

This program element solicits proposals for the acquisition and analysis of new scientific data from the K2 mission (http://keplerscience.arc.nasa.gov). K2 repurposes the space-borne hardware and ground-based operations of the Kepler mission (http://keplerscience.arc.nasa.gov) for a pointed survey of predetermined locations along the ecliptic plane. The single, visible-wavelength instrument on board K2 provides high-precision photometry capability, with short cadence and long cadence modes (1 minute and 30 minute exposures, respectively), and provides a powerful tool for broadband variability analyses of planetary, stellar, extragalactic, and solar system sources. This solicitation is specifically for science utilizing data collected within K2 Campaigns 14, 15, and 16 observing fields, which are currently planned for execution around the periods (earliest start and latest possible end dates for each campaign); May 30 to August 28, 2017 (Campaign 14), August 21 to November 18, 2017 (Campaign 15), and November 20, 2017 to February 9, 2018 (Campaign 16). Campaign 14 will cover a low-density region towards Leo and somewhat near the North Galactic Cap. Campaign 15 is a denser field, somewhat close to the Galactic Plane/near the Galactic Center. Campaign 16 will be closer to the South Galactic Cap, covering a relatively low-density field. The maximum duration of awards is 1 year.

**11/4/2016  Step-2 Proposal**

**ROSES 2016: Planetary Instrument Concepts for the Advancement of Solar System Observations**
National Aeronautics and Space Administration


Contact: James Gaier, 260/579-3442, james.r.gaier@nasa.gov

Solicitation number: NNH16ZDA001N-PICASSO

This program supports the development of spacecraft-based instrument systems that show promise for use in future planetary missions. The goal of the program is to conduct planetary and astrobiology science instrument feasibility studies, concept formation, proof of concept instruments, and advanced component technology development to the point where they may be proposed in response to C.13. Maturation of Instruments for Solar System Exploration (MatISSE) Program Therefore, the proposed instrument system or advanced components must address specific scientific objectives of likely future planetary science missions. The PICASSO Program seeks proposals for development activities leading to instrument systems in support of the Science Mission Directorate’s (SMD’s) Planetary Science Division (PSD). The objective of the program is to develop new technologies that significantly improve instrument measurement capabilities for planetary science missions (such as Discovery, New Frontiers, Mars Exploration, and other planetary programs). It is the responsibility of the proposer to demonstrate how their proposed technology addresses significant scientific questions relevant to stated NASA goals and not for NASA to attempt to infer this. The maximum duration of awards is 3 years.
ROSES 2016: Discovery Data Analysis Program
National Aeronautics and Space Administration
Contact: Michael New, 202/358-1766, michael.h.new@nasa.gov
Solicitation number: NNH16ZDA001N-DDAP
The objective of this program is to enhance the scientific return of Discovery Program missions by broadening the scientific participation in the analysis of data, both recent and archived, collected by Discovery missions. The DDAP supports investigations that use only data available in the Planetary Data System (PDS; http://pds.nasa.gov/) or equivalent publicly accessible archive(s), such as Genesis data at http://genesis.lanl.gov/plots/. The data must be archived and publicly available 30 days prior to the Step-2 submission deadline for DDAP proposals. Spacecraft data that have not been placed in such archives are not eligible for use in DDAP investigations. In all cases, it is the responsibility of the DDAP investigator to acquire any necessary data. Investigators are encouraged to contact the PDS archive for assistance in identifying specifics of available datasets. Datasets to be used in the proposed work must be clearly and specifically identified in the proposal. Regardless of the archive(s) used, if the data to be analyzed have known issues that might represent an obstacle to analysis, the proposers must demonstrate clearly and satisfactorily how such potential difficulties will be overcome. The maximum duration of awards is 4 years.

ROSES 2016: Solar System Workings
National Aeronautics and Space Administration
https://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={BA231B0B-067C-9D42-D770-848B361FC4CA}
Contact: hq-ssw@mail.nasa.gov
Solicitation number: NNH16ZDA001N-SSW
The program solicits proposals for innovative scientific research related to understanding the atmospheric, climatological, dynamical, geologic, physical, and chemical processes occurring within the Solar System. This program is open to investigations relevant to surfaces and interiors of planetary bodies, planetary atmospheres, rings, orbital dynamics, and exospheres and magnetospheres. The Solar System Workings program values the potential of interdisciplinary efforts to solve key scientific questions. The program also values research in comparative planetology. Research supported by this call may include data synthesis, laboratory studies that examine physical or chemical properties and processes, studies of sample or analog materials of other Solar System bodies, field studies of terrestrial analogs of planetary environments, or theoretical and numerical modeling of physical or chemical processes.

ROSES 2016: Habitable Worlds
National Aeronautics and Space Administration
Contact: Mitch Schulte, 202/358-2127, mitchell.d.schulte@nasa.gov
Solicitation number: NNH16ZDA001N-HW
The goal of the program is to use knowledge of the history of the Earth and the life upon it as a guide for determining the processes and conditions that create and maintain habitable environments and to search for ancient and contemporary habitable environments and explore the possibility of extant life beyond the Earth. NASA’s Habitable Worlds Program includes elements of the Astrobiology Program, the Mars Exploration Program, the Outer Planets Program (all in the Planetary Science Division) and Exoplanet research in the Astrophysics Division. A common goal of these programs is to identify the characteristics and the distribution of potentially habitable environments in the Solar System and beyond. This research is conducted in the context of NASA’s ongoing exploration of our stellar neighborhood and the identification of biosignatures for in situ and remote sensing applications. The maximum duration of awards is 4 years.
**ROSES 2016: Land Cover/Land Use Change**

National Aeronautics and Space Administration


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

Solicitation number: NNH16ZDA001N-LCLUC

The program is developing interdisciplinary approaches combining aspects of physical, social, and economic sciences, with a high level of societal relevance, using remote sensing tools, methods, and data. One of its stated goals is to develop the capability for periodic satellite-based inventories of land cover and monitoring and characterizing land-cover and land-use change. The program focuses on analysis at global to regional scales, taking advantage of the synoptic capability afforded by satellite remote sensing and with the understanding that land-use change occurs locally. The current solicitation consists of two elements: LCLUC in Southeast Asia and LCLUC in the Caucasus. The maximum duration of awards is 3 years.

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**National Archives and Records Administration (NARA)**

9/29/2016 Draft Deadline (optional)

12/6/2016 Full Proposal

**Access to Historical Records: Archival Projects**

National Archives and Records Administration, National Historical Publications and Records Commission


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

Solicitation number:

The National Historical Publications and Records Commission seeks projects that ensure online public discovery and use of historical records collections. All types of historical records are eligible, including documents, photographs, born-digital records, and analog audio and moving images. Projects may preserve and process historical records to: a) Create new online Finding Aids to collections; b) Digitize historical records collections and make them freely available online.

The NHPRC encourages organizations to actively engage the public in the work of the project. A grant is for one or two years and for up to $100k. Cost sharing is required. The applicant’s financial contribution may include both direct and indirect expenses, in-kind contributions, non-Federal third-party contributions, and any income earned directly by the project. Indirect costs must be listed under the applicant’s cost sharing contribution.

10/6/2016 Final Deadline

**Public Engagement with Historical Records**

National Archives and Records Administration


Contact: 202/357-5010, nhprc@nara.gov

Solicitation number:

The National Historical Publications and Records Commission seeks projects that encourage public engagement with historical records, including the development of new tools that enable people to engage online. The NHPRC is looking for projects that create models and technologies that other institutions can freely adopt. In general, collaborations among archivists, documentary editors, historians, educators, and/or community-based individuals are more likely to create a competitive proposal.

Projects might create and develop programs to engage people in the study and use of historical records for institutional, educational or personal reasons. For example, an applicant can: a) Enlist volunteer "citizen archivists" in projects to accelerate access to historical records, especially those online. This may include, but is not limited to, efforts to identify, tag, transcribe, annotate, or otherwise enhance digitized historical records. b) Develop educational programs for K-16 students or community members that encourage them to engage with historical records already in repositories or that are collected as part of the project.

A grant normally is for one to three years. The Commission expects to make up to three grants of between $50k and $150k.

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**National Endowment for the Humanities (NEH)**
Dialogues on the Experience of War - Limited Submission

National Endowment for the Humanities
http://www.neh.gov/grants/education/dialogues-the-experience-war
Contact: dew@neh.gov
Solicitation number: 20161102-AV

This program supports the study and discussion of important humanities sources about war, in the belief that these sources can help U.S. military veterans and others to think more deeply about the issues raised by war and military service. The humanities sources can be drawn from history, philosophy, literature, and film—and they may and should be supplemented by testimonials from those who have served. The discussions are intended to promote serious exploration of important questions about the nature of duty, heroism, suffering, loyalty, and patriotism. The program awards grants of up to $100,000 that will support 1) the recruitment and training of discussion leaders; and 2) following the training program, the convening of at least two discussion programs.

10/5/2016 Application

Humanities Connections

National Endowment for the Humanities
Contact: 202/606-8500, humanitiesconnections@neh.gov
Solicitation number:

The grants seek to expand the role of the humanities in the undergraduate curriculum at two-and four-year institutions, offering students in all academic fields new opportunities to develop the intellectual skills and habits of mind that the humanities cultivate. Grant projects focus on connecting the resources and perspectives of the humanities to students’ broader educational and professional goals, regardless of their path of study. Through this new grant program, NEH invites proposals that reflect innovative and imaginative approaches to preparing students for their roles as engaged citizens and productive professionals in a rapidly changing and interdependent world. Grants support the development and implementation of an integrated set of courses and student engagement activities focusing on significant humanities content. A common topic, theme, or compelling issue or question must link the courses and activities. Grants of up to $100K will be awarded for a period of 18-36 months

National Institutes of Health (NIH)

Ongoing

NIMH Career Transition Award for Tenure-Track and Tenured Intramural Investigators (K22)

National Institutes of Health
Contact:
Solicitation number:

The primary goal of the NIMH Career Transition Award for Tenure-Track and Tenured Intramural Investigators (K22) Program (hereafter abbreviated as the NIMH Career Transition K22 Program) is to provide support for career intramural investigators at NIMH who aim to transition from the Division of Intramural Research Programs (DIRP) to an independent research faculty position in the extramural community. Applicants should have a demonstrated record of meritorious research in mental health-related fields.

Ongoing

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

National Institutes of Health
Contact: Erin Hagan, evidenceforaction@ucsf.edu
Solicitation number:

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

National Institutes of Health


Contact: PAR-16-090

Solicitation number: PAR-16-090

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The over-arching goal of this NHGRI R25 program is to support educational activities that complement and/or enhance the training of a workforce to meet the nation’s biomedical, behavioral and clinical research needs.

To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on Courses for Skills Development.

BD2K Research Education Curriculum Development: Data Science Overview for Biomedical Scientists (R25) - Limit

National Institutes of Health


Contact: Carol Shreffler, 919/541-1445, bd2k_training@mail.nih.gov

Solicitation number: RFA-ES-16-011

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The over-arching goal of this BD2K 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 with a primary focus on Curriculum or Methods Development in Big Data Science to augment current institutional curricula for the training of predoctoral level biomedical scientists and provide concentrated instruction in the tools, approaches and quantitative analysis concepts in data science. To facilitate the integration of data science into biomedical curricula nationally, this FOA seeks to support a cohort of institutions that will work collaboratively and collectively to produce curricular materials that are findable, accessible, interoperable, and reusable (FAIR). Applications that request costs for curriculum development may request up to $100,000 per year direct costs; Applications proposing to serve as the lead to coordinate the program may request an additional $50,000, for a total of $150,000 per year direct costs.
Food Specific Molecular Profiles and Biomarkers of Food and Nutrient Intake, and Dietary Exposure (R01)

National Institutes of Health


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

Solicitation number: PAR-15-024

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

覆面 Therapeutics Development and Validation of Novel Tools to Analyze Cell-Specific and Circuit-Specific Processes

National Institutes of Health


Contact: Varies with research interest

Solicitation number: RFA-MH-17-220

The purpose of this Brain Research through Advancing Innovative Neurotechnologies (BRAIN) Initiative is to encourage applications that will develop and validate novel tools to facilitate the detailed analysis of complex circuits and provide insights into cellular interactions that underlie brain function. The new tools and technologies should inform and/or exploit cell-type and/or circuit-level specificity. Plans for validating the utility of the tool/technology will be an essential feature of a successful application. The development of new genetic and non-genetic tools for delivering genes, proteins and chemicals to cells of interest or approaches that are expected to target specific cell types and/or circuits in the nervous system with greater precision and sensitivity than currently established methods are encouraged. Tools that can be used in a number of species/model organisms rather than those restricted to a single species are highly desired. Applications that provide approaches that break through existing technical barriers to substantially improve current capabilities are highly encouraged.

覆面 Partnerships for Countermeasures Against Select Pathogens (R01)

National Institutes of Health


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

Solicitation number: RFA-AI-16-034

The purpose of this FOA is to solicit research applications for milestone-driven projects focused on preclinical development of lead candidate countermeasures (therapeutics, vaccines and related technologies, or diagnostics) against select NIAID Emerging Infectious Diseases/Pathogens. Applications must include a Product Development Strategy attachment and demonstrate substantive investment by at least one industrial participant. Budgets for direct costs of up to $750K per year may be requested. Applicants may also request up to an additional $300K in the first year of the award for major equipment to ensure that research objectives can be met and biohazards can be contained, totaling $1.05M direct costs.
Epidemiology of Drug Abuse (R01)
National Institutes of Health, National Institute on Drug Abuse (NIDA)
Contact: Marsha Lopez, 301/443-6504, lopezmar@nida.nih.gov
Solicitation number: PA-11-230
This FOA is intended to support research projects to enhance our understanding of the nature, extent, distribution, etiology, comorbidities, and consequences of drug use, abuse, and addiction across individuals, families, communities, and diverse population groups. This FOA strongly encourages applications that reflect the breadth of epidemiology research by addressing multiple levels of risk, resilience, and causation across scientific disciplines; by applying novel methods to advance knowledge of the interplay among genetic, environmental, and developmental factors and between social environments and associated health and disease outcomes; and by building on the research investments of NIH and sister HHS agencies to harness existing data on the epidemiology and etiology of drug abuse to improve public health prevention and treatment programs. This FOA runs in parallel with FOAs of identical scientific scope, PA-15-001 and PA-15-002, that encourage applications under the R21 and R03 mechanism, respectively.

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

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

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

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


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

Solicitation number: PAR-15-306

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

Application budgets are limited to $250K in direct costs per year exclusive of any consortium F&A costs.

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**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-16-159

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

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

National Institutes of Health


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

Solicitation number: PAR-16-398

This Funding Opportunity Announcement (FOA) encourages research grant applications directed toward developing next-generation human cell-derived microphysiological systems (MPS) with improved fidelity to complex human brain, spinal, peripheral nervous system and/or sensory end organ circuit physiology in vivo, which will ultimately facilitate analysis of higher order functional deficits relevant to complex nervous system disorders.
Obesity Policy Evaluation Research (R01)
National Institutes of Health, Cross-Institute
Contact: Varies with research interest
Solicitation number: PA-16-165
Obesity is a major contributor to many serious health conditions that increase morbidity and mortality and reduce quality of life. The prevalence of obesity in children and adults in the United States has dramatically increased in the past four decades. Nationally there is an imperative to take action at local, state and federal levels, especially related to obesity in children. While helping people achieve and maintain a healthy weight is a critical public health goal, relatively little is known about the effectiveness of large scale policies and programs that could help achieve this goal at the population level, or any differential effects on sub-populations. Institute Specific Interests include: 1) NIDDK is particularly interested in the evaluation of large scale weight related programs or policy that are targeted to obesity and/or diabetes prevention; 2) NHLBI is especially interested in research on programs and policies that target cardiovascular disease risk factors such as obesity, diabetes, and adverse health behaviors (physical inactivity, poor dietary behaviors, sleep disorders); 3) NICHD is interested in applications that propose to evaluate the impact of weight related policies or programs on children, families, pregnant women, or children with disabilities; 4) NCI is particularly interested in the evaluation of programs or policies that may affect dietary or physical activity behavior and/or weight, and studies incorporating economic research; and 5) NIA is especially interested in research on programs and policies affecting sedentary behavior and physical activity among older adults, including programs and policies based on research in behavioral economics. The maximum project period is five years.

10/5/2016 Application

Bioengineering Research Grants (BRG) (R01)
National Institutes of Health, Cross-Institute
Contact: Varies with research interest
Solicitation number: PAR-16-242
The purpose of this FOA is to encourage collaborations between the life and physical sciences that: 1) apply a multidisciplinary bioengineering approach to the solution of a biomedical problem; and 2) integrate, optimize, validate, translate or otherwise accelerate the adoption of promising tools, methods and techniques for a specific research or clinical problem in basic, translational, or clinical science and practice. An application may propose design-directed, developmental, discovery-driven, or hypothesis-driven research and is appropriate for small teams applying an integrative approach that can increase our understanding of and solve problems in biological, clinical or translational science. Application budgets are not limited but need to reflect actual needs of the proposed project. The maximum award period is 5 years depending on the NIH Institutes and Centers.

10/5/2016 Application

Spatial Uncertainty - Data, Modeling, and Communication (R01)
National Institutes of Health, Cross-Institute
Contact: Li Zhu, 240/276-6851, li.zhu@nih.gov
Solicitation number: PA-15-010
The purpose of this FOA is to support innovative research that identifies sources of spatial uncertainty (i.e., inaccuracy or instability of spatial or geographic information) in public health data, incorporates the inaccuracy or instability into statistical methods, and develops novel tools to visualize the nature and consequences of spatial uncertainty. It will require a team of epidemiologists, statisticians, and experts in data visualization or health communication to attack the spatial uncertainty issue thoroughly. This FOA will facilitate multidisciplinary collaborations among scientists to promote research in identifying, quantifying, reducing, and communicating spatial uncertainty in health research to improve disease control and prevention. It will also facilitate integration of data collection, information technology, visualization tools, statistical models, and health communication to reduce spatial uncertainty in planning, implementing and evaluating disease control programs. The maximum period is 5 years.
This FOA runs in parallel with FOAs of identical scientific scope, PA-15-009 and PA-15-011, that utilize the R21 Exploratory/Developmental Grant and R03 Small Grant Program mechanisms, respectively.
Healthy Habits: Timing for Developing Sustainable Healthy Behaviors in Children and Adolescents (R01)

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


Contact: Varies with research interest

Solicitation number: PA-14-177

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

Diabetes and Cardiovascular Disease in Older Adults (R01)

National Institutes of Health


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

Solicitation number: PA-15-037

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

Personalized Strategies to Manage Symptoms of Chronic Illness (R01)

National Institutes of Health

Personalized Strategies to Manage Symptoms of Chronic Illness (R01)

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

Solicitation number: PA-16-007

The purpose of this initiative is to encourage interdisciplinary research to decrease symptom burden and enhance health-related quality of life (HRQL) in persons with chronic illness through a) increasing knowledge of the biological mechanisms of symptoms and b) promoting innovative, cost-effective, targeted interventions to prevent, manage or ameliorate these symptoms. This FOA runs in parallel with two FOAs of identical scope, PA-16-006 and PA-16-008, that utilize the R15 Academic Research Enhancement Award (AREA) mechanism and Exploratory/Developmental Grant mechanism, respectively.
Advancing Understanding, Prevention, and Management of Infections Transmitted from Women to their Infants (R01)

National Institutes of Health


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

Solicitation number: PA-16-032

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

This FOA runs in parallel with a FOA of identical scope, PA-16-031, that utilizes the R21 Exploratory/Developmental Grant mechanism.

Education and Health: New Frontiers (R01)

National Institutes of Health


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

Solicitation number: PAR-16-080

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

This FOA runs in parallel with two FOAs of identical scope, PAR-16-078 and PAR-16-079, that utilize the R21 Exploratory/Developmental Grant and R03 Small Grant Program mechanisms, respectively.

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

National Institutes of Health


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

Solicitation number: PA-16-088

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

National Institutes of Health


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

Solicitation number: PAR-16-260

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

Developing Measures of Shared Decision Making (R01)

National Institutes of Health


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

Solicitation number: PA-16-424

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

Systems Biology of Aging (R01)

National Institutes of Health


Contact: Ronald Kohanski, 301/496-6402, kohanski@mail.nih.gov

Solicitation number: RFA-AG-17-004

This FOA encourages research projects with the potential to develop networks of aging using lifespan as the observable phenotype. In addition to constructing aging networks, two further important goals of this FOA are: 1. Determining what properties of an aging network change across the lifespan; 2. Using aging networks to generate and test hypotheses about fundamental questions in the biology of aging that are more likely to be answered using systems biology than by single-gene approaches. Research proposed in applications responding to this FOA will utilize either the single-cell organism Saccharomyces cerevisiae or the multicellular organism Caenorhabditis elegans, both of which have been used extensively for genetic and molecular studies on aging. Application budgets are limited to a maximum of $600K per year direct costs over a period of 5 years.
NIH Director's Transformative Research Awards (R01)
National Institutes of Health
Contact: Ravi Basavappa, 301/435-7204, Transformative_Awards@mail.nih.gov
Solicitation number: RFA-RM-16-007
The awards complement NIH’s traditional, investigator-initiated grant programs by supporting individual scientists or groups of scientists proposing groundbreaking, exceptionally innovative, original and/or unconventional research with the potential to create new scientific paradigms, establish entirely new and improved clinical approaches, or develop transformative technologies. Little or no preliminary data are expected. Projects must clearly demonstrate the potential to produce a major impact in a broad area of biomedical or behavioral research. The maximum project period is five years.

Improving Smoking Cessation in Socioeconomically Disadvantaged Populations via Scalable Interventions (R01)
National Institutes of Health
Contact: Yvonne Hunt, 240/276-6975, huntym@mail.nih.gov
Solicitation number: PAR-16-202
The purpose of this FOA is to provide support for highly innovative and promising intervention research designed to improve smoking cessation outcomes among socioeconomically disadvantaged populations. Specifically, this FOA is intended to stimulate research efforts aimed at the development of smoking cessation interventions that: 1) are targeted to socioeconomically disadvantaged populations, and 2) could be made scalable for broad population impact. Applicants may propose projects that develop and test novel cessation interventions with the potential to be scaled up, as well as projects that focus on enhancing the effectiveness, quality, accessibility, utilization, and cost-effectiveness of currently scaled smoking cessation interventions. This FOA provides funding for up to 5 years for research planning, intervention delivery, and follow-up activities.

Innovative Approaches to Studying Cancer Communication in the New Media Environment (R01)
National Institutes of Health
Contact: Kelly Blake, 240/281-5934, kelly.blake@nih.gov
Solicitation number: PAR-16-249
This FOA invites applications that seek to apply one or more innovative methodologies in communication research across the cancer control continuum, from prevention, early detection, diagnosis, treatment, and survivorship, to end of life. Applications to this FOA should utilize one or more of the following analytic approaches, methods, and data sources, including but not limited to social media data mining, Natural Language Processing (NLP) techniques, online social network analysis, crowdsourcing research tools (e.g., mTurk), online search data, Ecological Momentary Assessment, neuroscience and biobehavioral approaches to communication, and geographic information systems. Studies should assess outcomes related to cancer prevention and control (e.g., knowledge, attitudes, beliefs, perceived risk, decision making in screening and treatment, information inequalities, social support, shared decision making, persuasion, caregiving, behavioral intentions, preventive behaviors, and policy support, among others). This FOA runs in parallel with an FOA of identical scope, PAR-16-248, that utilizes the R21 Exploratory/Developmental Grant mechanism.
**Mentored Quantitative Research Development Award (Parent K25)**

National Institutes of Health


Contact:
Solicitation number:  PA-16-194

The purpose of the Mentored Quantitative Research Career Development Award (K25) 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.

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

National Institutes of Health


Contact:
Solicitation number:  PAR-16-401

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

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

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


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

Solicitation number:  PAR-16-219

The purpose of this award is to diversify the pool of independent neuroscience research investigators and to enhance the opportunity to obtain independent NIH or other independent research support by providing junior faculty with research cost support, protected research time and career stage appropriate professional development mentorship in neuroscience research. Individuals from backgrounds underrepresented in biomedical research are eligible for support under this award if they have doctoral research degrees (Ph.D. or equivalent) and are in the first 3 years of a faculty tenure track or equivalent position at the time of award. Prior to preparing an application, individuals are strongly encouraged to contact the program officials to discuss their training and career development needs. The total project period may not exceed three years. NIH will contribute up to $85K per year toward the salary and up to $100K per year toward the research development costs of the award recipient.
**NLM Career Development Award in Biomedical Informatics and Data Science (K01)**

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


Contact: Varies with research interest

Solicitation number: PAR-16-204

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

**NIH Pathway to Independence Award (Parent K99/R00)**

National Institutes of Health


Contact: varies with research intent

Solicitation number: PA-16-193

The purpose of this award program is to increase and maintain a strong cohort of new and talented, NIH-supported, independent investigators. This program is designed to facilitate a timely transition of outstanding postdoctoral researchers with a research and/or clinical doctorate degree from mentored, postdoctoral research positions to independent, tenure-track or equivalent faculty positions. The program will provide independent NIH research support during this transition in order to help awardees to launch competitive, independent research careers. Prospective candidates are encouraged to contact the relevant NIH staff for IC-specific programmatic and budgetary information. The total project period may not exceed 5 years.

**NIH Big Data to Knowledge (BD2K) Enhancing Diversity in Biomedical Data Science (R25)**

National Institutes of Health, Cross-Institute


Contact: Julia Berzhanskaya, 301/451-2569, julia.berzhanskaya@nih.gov

Solicitation number: RFA-MD-16-002

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The overarching goal of this NIH Big Data to Knowledge (BD2K) Enhancing Diversity in Biomedical Data Science (R25) program is to support educational activities that enhance the diversity of the biomedical, behavioral, and clinical research workforce. To accomplish the stated overarching goal, this FOA will support creative educational activities with a primary focus on research experiences and curriculum or methods development.
Natural History Studies for Rare Disease Product Development: Orphan Products Research Project Grant (R01)

National Institutes of Health


Contact: Katherine Needleman, 301/796-8660, katherine.needleman@fda.hhs.gov

Solicitation number: RFA-FD-16-043

The objective of this FOA is to support studies that advance rare disease medical product development through characterization of the natural history of rare diseases/conditions, identification of genotypic and phenotypic subpopulations, and development and/or validation of clinical outcome measures, biomarkers and/or companion diagnostics. The ultimate goal of these natural history studies is to support clinical development of products for use in rare diseases or conditions where no current therapy exists or where the proposed product will be superior to the existing therapy. FDA provides grants for natural history studies that will either assist or substantially contribute to market approval of these products. Applicants must include in the application's Background and Significance section documentation to support that the estimated prevalence of the orphan disease or condition in the United States (US) is less than 200,000 (or in the case of a vaccine or diagnostic, information to support that the product will be administered to fewer than 200,000 people in the US per year), and an explanation of how the proposed study will either help support product approval or provide essential data needed for product development. It is anticipated that up to five (5) awards will be made, not to exceed $400K in total costs (direct plus indirect), per award, per fiscal year.

NIH Small Research Grant Program (Parent R03)

National Institutes of Health, Cross-Institute


Contact: 301/435-0714, GrantsInfo@nih.gov

Solicitation number: PA-16-162

This funding opportunity supports small research projects that can be carried out in a short period of time with limited resources. Examples of the types of projects that participating NIH Institutes and Centers (ICs) support with the R03 activity code include, but are not limited to, the following: 1) Pilot or feasibility studies; 2) Secondary analysis of existing data; 3) Small, self-contained research projects; 4) Development of research methodology; and 5) Development of new research technology. R03 grant applications are not expected to have the same level of detail or extensive discussion found in an R01 application. Accordingly, reviewers should evaluate the conceptual framework and general approach to the problem, placing less emphasis on methodological details and certain indicators traditionally used in evaluating the scientific merit of R01 applications including supportive preliminary data. Appropriate justification for the proposed work can be provided through literature citations, data from other sources, or from investigator-generated data. Preliminary data are not required, particularly in applications proposing pilot or feasibility studies. Applicants are encouraged to consult the IC Contacts and Special Interests website to determine if an investigator-initiated R03 application is appropriate. Additionally, applicants are strongly encouraged to consult with the Scientific/Research Contact at the appropriate IC about their proposed research project during the concept development stage of the application. The combined budget for direct costs for the two-year project period may not exceed $100K, and no more than $50K in direct costs may be requested in any single year.
**NIH Exploratory & Developmental Research Grant Program (Parent R21)**

National Institutes of Health, Cross-Institute


Contact: 301/435-0714, GrantsInfo@nih.gov

Solicitation number: PA-16-161

This funding opportunity supports the development of new research activities in categorical program areas. The R21 activity code is intended to encourage exploratory and developmental research projects by providing support for the early and conceptual stages of these projects. These studies may involve considerable risk but may lead to a breakthrough in a particular area, or to the development of novel techniques, agents, methodologies, models, or applications that could have a major impact on a field of biomedical, behavioral, or clinical research. Applications for R21 awards should describe projects distinct from those supported through the traditional R01 activity code. For example, long-term projects, or projects designed to increase knowledge in a well-established area, will not be considered for R21 awards. Projects of limited cost or scope that use widely accepted approaches and methods within well-established fields are better suited for the R03 small grant activity code. The combined budget for direct costs for the two-year project period may not exceed $275K, and no more than $200K may be requested in any single year.

**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.

**BRAIN Initiative: Non-Invasive Neuromodulation - New Tools and Techniques for Spatiotemporal Precision (R01)**

National Institutes of Health

Contact:

Solicitation number: RFA-MH-17-240

This Funding Opportunity Announcement (FOA) solicits grant applications in two related but distinct areas. The first area is in the development and testing of novel tools and methods of neuromodulation that go beyond the existing variations on magnetic or electrical stimulation, and that represent more than an incremental advance over existing approaches. The second distinct area that this FOA seeks to encourage is the optimization of existing electrical and magnetic stimulation methods.

**NIMH Biobehavioral Research Awards for Innovative New Scientists (NIMH BRAINS) (R01)**

National Institutes of Health


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

Solicitation number: RFA-MH-15-600

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.
Revolutionizing Innovative, Visionary Environmental health Research (RIVER) (R35)

National Institutes of Health


Contact:

Solicitation number: RFA-ES-16-008

The NIEHS Revolutionizing Innovative, Visionary Environmental health Research (RIVER) program seeks to provide support for the majority of the independent research program for outstanding investigators in the Environmental Health Sciences, giving them intellectual and administrative freedom, as well as sustained support to pursue their research in novel directions in order to achieve greater impacts. The program seeks to identify individuals, regardless of career stage, with a track record of innovative and impactful research and combine their existing investigator-initiated research into a single seven year award with direct costs of up to $750,000 based on current NIEHS funding.

Research Answers to NCI's Provocative Questions

National Institutes of Health


Contact: Emily J. Greenspan, 301/435-1045, greenspanej@mail.nih.gov

Solicitation number: RFA-CA-15-008

The purpose of this Funding Opportunity Announcement (FOA) is to support research projects designed to solve specific problems and paradoxes in cancer research identified by the National Cancer Institute (NCI) Provocative Questions initiative. These problems and paradoxes phrased as questions are not intended to represent the full range of NCI's priorities in cancer research. Rather, they are meant to challenge cancer researchers to think about and elucidate specific problems in key areas of cancer research that are deemed important but have not received sufficient attention.

Some of these "Provocative Questions" (PQs) stem from intriguing but older, neglected observations that have never been adequately explored. Other PQs are built on more recent findings that are perplexing or paradoxical, revealing important gaps in current knowledge. Finally, some PQs reflect problems that traditionally have been thought to be intractable but that now may be open to investigations using new strategies and recent technical advances.

The current issuance of the PQ Initiative involves an updated set of 12 PQs. Each research project proposed in response to this FOA must be focused on addressing one particular research problem defined by one specific PQ selected from the list. Projects proposed to address specific PQs may use strategies that incorporate ideas and approaches from multiple disciplines, as appropriate. Transdisciplinary projects are encouraged as long as they serve the scientific focus of the specific PQ chosen. Application budgets are not limited but need to reflect the actual needs of the proposed project. The total project period may not exceed 5 years.

Novel Genomic Technology Development (R01, R21, R43/R44, R44)

National Institutes of Health


Contact:

Solicitation number: PAR-16-014

This Funding Opportunity Announcement (FOA) seeks grant applications to catalyze major advances in genomics through technology development (beyond developing nucleic acid sequencing technologies). The goal is to provide a mechanism for support of very novel and high impact work from across this gamut of genomics technology development. This initiative seeks to support technologies that will have a major impact in the next five to seven years. An applicant may request direct costs of up to $700,000 per year.
**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.

**Applied Research Toward Zero Suicide Healthcare Systems (R01)**

National Institutes of Health


Contact: Jane Pearson, 301/443-3598, jpearson@mail.nih.gov

Solicitation number: RFA-MH-16-800

This FOA is intended to support applied research that advances the National Action Alliance for Suicide Prevention’s “Zero Suicide” goal of preventing suicide events (attempts, deaths) among individuals receiving treatment within health care systems. Zero Suicide is a commitment to the prevention of suicide among individuals served by health care systems and is also a specific set of health care strategies and tools intended to eliminate suicide events. Research is needed to implement effective and comprehensive suicide prevention strategies in a variety of settings, including behavioral health and substance abuse outpatient clinics, emergency departments and crisis care programs and centers, hospitals, and integrated primary care programs. To achieve the aspirational goal of zero suicide events within healthcare settings, research is needed to improve health care approaches for the following: systematic approaches to suicide risk detection (acute or long term); appropriate risk documentation and follow-up care that is practical and effective; interventions earlier in the course of suicide risk trajectories that reduce incident suicide events in care systems; identification of effective service delivery components that work as safety nets to prevent suicidal events; and identification of service delivery policies and practices that support and maintain “Zero Suicide” goals and reduce suicide events.

**Maximizing Investigators' Research Award for Early Stage Investigators (R35)**

National Institutes of Health


Contact:

Solicitation number: RFA-GM-17-004

The Maximizing Investigators' Research Award (MIRA) is a grant to provide support for the program of research in an investigator's laboratory that falls within the mission of NIGMS. For the purpose of this FOA, a program of research is the collection of projects in the investigator's lab that are relevant to the mission of NIGMS. The goal of MIRA is to increase the efficiency and efficacy of NIGMS funding. It is anticipated that the new mechanism will:

- Increase the stability of funding for NIGMS-supported investigators, which could enhance their ability to take on ambitious scientific projects and approach problems more creatively.
- Increase flexibility for investigators to follow important new research directions as opportunities arise, rather than being bound to specific aims proposed in advance of the studies.
- More widely distribute funding among the nation’s highly talented and promising investigators to increase overall scientific productivity and the chances for important breakthroughs.
- Reduce the time spent by researchers writing and reviewing grant applications, allowing them to spend more time conducting research.
- Enable investigators to devote more time and energy to mentoring trainees in a more stable research environment.

The purpose of this FOA is to continue to test the feasibility of this grant mechanism for Early Stage Investigators (ESI).
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-12-140

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.

Promoting Organ and Tissue Donation Among Diverse Populations (R01)

National Institutes of Health

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

Solicitation number: RFA-DK-16-022

This Funding Opportunity Announcement (FOA) intends to stimulate investigators to search for barriers to organ and tissue donation. This may include studying individual attitudes, beliefs and behaviors towards organ and tissue transplantation, as well as the need for organ transplantation, among diverse and underserved populations and rural communities. The grant will provide support for testing various hypotheses on the barriers, and facilitate development of programs in the diverse and underserved communities to enhance their understanding of the need, risks and benefits of organ and tissue donation. Successful approaches should ultimately lead to increase in the number of diverse and underserved participating in living and deceased organ donation. Application budgets are limited to annual direct costs of $150k.

Imaging and Biomarkers for Early Cancer Detection (R01)

National Institutes of Health, National Cancer Institute (NCI)

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

Solicitation number: PAR-16-089

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

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

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

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.
Emerging Questions in Cancer Systems Biology (U01)

National Institutes of Health


Contact: Shannon Hughes, 240/276-6224, shannon.hughes@nih.gov

Solicitation number: PAR-16-131

This Funding Opportunity Announcement (FOA) invites cooperative agreement applications for Research Projects that utilize systems biology approaches to address emerging questions in cancer initiation, progression, and treatment. CSBC Research Projects are expected to involve interdisciplinary teams of physical scientists (e.g., engineers, chemists, computer scientists, mathematicians, physicists, population scientists, statisticians, epidemiologists) and cancer researchers (e.g., cancer biologists, oncologists, pathologists and clinicians in relevant disciplines) who collaborate to advance our understanding of cancer biology and oncology. CSBC Research Projects proposed in response to this FOA must demonstrate explicit integration of experimental biology and computational modeling to test and validate novel hypotheses in cancer research. Application budgets are not limited but need to reflect the actual needs of the proposed project. The maximum project period is 5 years.

Image-guided Drug Delivery (R01)

National Institutes of Health


Contact: Keyvan Farahani, 240/276-5921, farahank@mail.nih.gov

Solicitation number: PAR-16-044

This Funding Opportunity Announcement (FOA) will support innovative research projects that are focused on image-guided drug delivery (IGDD), including real-time image guidance, monitoring, quantitative in vivo characterizations and validation of delivery and response. It will support research in development of integrated imaging-based systems for delivery of drugs or biologics in cancer and other diseases, quantitative imaging assays of drug delivery, and early intervention. Application budgets are not limited but need to reflect the actual needs of the proposed project. The maximum period is 5 years.

NCI Outstanding Investigator Award (R35)

National Institutes of Health


Contact: Christine Siemon, 240/276-6180, siemonc@mail.nih.gov

Solicitation number: PAR-16-411

This Funding Opportunity Announcement (FOA) invites grant applications for the Outstanding Investigator Award (R35) in any area of cancer research.

The objective of the National Cancer Institute (NCI) Outstanding Investigator Award (OIA) is to provide long-term support to accomplished investigators with outstanding records of cancer research productivity who propose to conduct exceptional research. The OIA is intended to allow investigators the opportunity to take greater risks, be more adventurous in their lines of inquiry, or take the time to develop new techniques. The OIA would allow an Institution to submit applications nominating established Program Directors/Principal Investigators (PDs/PIs) for the NCI OIA.

It is expected that the OIA would provide extended funding stability and encourage investigators to embark on projects of unusual potential in cancer research. The research projects should break new ground or extend previous discoveries toward new directions or applications that may lead to a breakthrough that will advance biomedical, behavioral, or clinical cancer research.
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.
Ceramics (CER)
National Science Foundation, Education and Human Resources (EHR)

Contact:

Solicitation number: NSF 16-597
This program supports fundamental scientific research in ceramics (e.g., oxides, carbides, nitrides and borides), glass-ceramics, inorganic glasses, ceramic-based composites and inorganic carbon-based materials. Projects should be centered on experiments; inclusion of computational and theory components are encouraged. The objective of the program is to increase fundamental understanding and to develop predictive capabilities for relating synthesis, processing, and microstructure of these materials to their properties and ultimate performance in various environments and applications. Research to enhance or enable the discovery or creation of new ceramic materials is welcome. Development of new experimental techniques or novel approaches to carry out projects is encouraged. Topics supported include basic processes and mechanisms associated with nucleation and growth of thin films; bulk crystal growth; phase transformations and equilibria; morphology; surface modification; corrosion, interfaces and grain boundary structure; and defects.

Arctic Research Opportunities
National Science Foundation, Office of Polar Programs

Contact: varies
Solicitation number: NSF 16-595
The goal of this solicitation is to attract research proposals that advance a fundamental, process, and systems-level understanding of the Arctic's rapidly changing natural environment and social and cultural systems, and, where appropriate, to improve our capacity to project future change. The Arctic Sciences Section supports research focused on the Arctic region and its connectivity with lower latitudes. The scientific scope is aligned with, but not limited to, research challenges outlined in the Interagency Arctic Research Policy Committee (https://www.nsf.gov/geo/plr/arctic/iarpc/start.jsp) five-year plans.

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

Contact: Enriqueta Barrera, 703/292-7780, ebarrera@nsf.gov
Solicitation number: NSF 15-559
This program supports research on: 1) the interactions between biological and geological systems at all scales of space and time; 2) geomicrobiology and biomineralization processes; 3) the role of life in the transformation and evolution of the Earth's geochemical cycles; 4) inorganic and organic geochemical processes occurring at or near the Earth's surface now and in the past, and at the broad spectrum of interfaces ranging in scale from planetary and regional to mineral-surface and supramolecular; 5) mineralogy and chemistry of soils and sediments; 6) surficial chemical and biogeochemical systems and cycles and their modification through natural and anthropogenic change; and 7) development of tools, methods, and models for low-temperature geochemistry and geobiological research - such as those emerging from molecular biology - in the study of the terrestrial environment. This program is especially interested in proposals in emerging fields. Anticipated funding is $5.2M annually for 30-40 standard awards.
Sedimentary Geology and Paleobiology (SGP)
National Science Foundation, Geosciences (GEO)
Contact: Judith Skog, 703/292-7909, jskog@nsf.gov
Solicitation number: NSF 16-536
SGP supports research in a wide variety of areas in sedimentary geology and paleobiology in order to comprehend the full range of physical, biological, and chemical processes of Earth’s dynamic system. The program supports the study of deep-time records of these processes archived in the Earth’s sedimentary crust at all spatial and temporal scales. These records are fingerprints of the processes that produced them and continue to shape the Earth. For the years 2013-2017, the Sedimentary Geology and Paleobiology Program will be sponsoring a two track opportunity that will consist of the normal SGP competition (Track 1) and bi-annually, a new track termed Earth-Life Transitions (ELT) (Track 2). Track 1: General Program supports general studies of: 1) the changing aspects of life, ecology, environments, and biogeography in past geologic time based on fossil plants, animals, and microbes; 2) all aspects of the Earth’s sedimentary carapace - insights into geological processes recorded in its records and rich organic and inorganic resources locked in rock sequences; 3) the science of dating and measuring the sequence of events and rates of geological processes as manifested in Earth’s past sedimentary and biological (fossil) record; 4) the geologic record of the production, transportation, and deposition of physical and chemical sediments; and 5) understanding Earth’s deep-time (pre-Holocene) climate systems. Track 2: Earth-Life Transitions: The goals of the ELT track are: 1) to address critical questions about Earth-Life interactions in deep-time through the synergistic activities of multi-disciplinary science and 2) to enable team-based interdisciplinary projects involving stratigraphy, sedimentology, paleontology, proxy development, calibration and application studies, geochronology, and climate modeling at appropriately resolved scales of time and space, to understand major linked events of environmental, climate and biotic change at a mechanistic level. Annual estimated program budget, number of awards, and average award size/duration are subject to the availability of funds and the quality of the proposals.

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

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


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.
Ongoing

Conferences and Workshops in the Mathematical Sciences
National Science Foundation


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

Solicitation number: NSF 16-550

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

9/26/2016   Full Proposal

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.

10/5/2016   Full Proposal

NSF/VMware Partnership on Software Defined Infrastructure as a Foundation for Clean-Slate Computing Security (The goal of this joint solicitation between NSF and VMware is to foster novel, transformative, multidisciplinary research that spans systems, networking, and security with the aim of exploring and creating groundbreaking new approaches to security based on the concept of SDI. The program also aims to support a research community committed to advancing research and education at the confluence of SDI-CSCS technologies, and to transition research findings into practice. NSF and VMware will support multiple projects with funding of up to $3M each over three years, and it is intended that NSF and VMware will co-fund each project.

10/12/2016   Full Proposal

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.
Partnerships for Innovation: Building Innovation Capacity (PFI:BIC) - Limited Submission

National Science Foundation


Contact: varies

Solicitation number: NSF 16-591

Partnerships for Innovation: Building Innovation Capacity (PFI:BIC) supports academe-industry partnerships, which are led by an interdisciplinary academic research team collaborating with at least one industry partner to carry out research to advance, adapt, and integrate technology(ies) into a specified, human-centered smart service system. The selected service system should function as a technology test bed. Partnership projects are open to any knowledge domain or application area and should be focused on translational, pre-commercialization space, building on novel fundamental research discoveries with the objective of creating or transforming a "smart(er)" service system that has the potential for significant social and economic impact. Awards may be up to a total budget of $1,000,000 with an award duration of three (3) years.

Bridge to the Doctorate (LSAMP) - Limited Submission

National Science Foundation


Contact: varies

Solicitation number: NSF 15-594

Bridge to the Doctorate (BD) Activity: 2-year projects eligible only to existing alliances funded more than 10 consecutive years; these projects are focused on providing post-baccalaureate fellowship support to a cohort of 12 LSAMP students for the first two years of their STEM graduate studies and on providing the necessary academic and research skills that will enable them to successfully earn STEM doctoral degrees and transition into the professoriate and/or STEM workforce.

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.
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.

MacroSystems Biology and Early NEON Science: Research on Biological Systems at Regional to Continental Scales

National Science Foundation


Contact: Elizabeth R. Blood, 703/292-8400, eblood@nsf.gov

Solicitation number: NSF 16-521

The MacroSystems Biology and Early NEON Science: Research on Biological Systems at Regional to Continental Scales program will support quantitative, interdisciplinary, systems-oriented research on biosphere processes and their complex interactions with climate, land use, and invasive species at regional to continental scales as well as planning, training, and development activities to enable groups to conduct MacroSystems Biology and Early NEON Science research.

Wireless Innovation between Finland and US (WiFiUS)

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


Contact: Varies with research interest

Solicitation number: NSF 16-587

With this solicitation, NSF’s Directorate for Computer and Information Science and Engineering (CISE) and the Academy of Finland continue a joint program in the area of wireless networking, known as Wireless Innovation between Finland and US (WiFiUS) that provides for an international collaboration arrangement whereby US researchers may receive funding from NSF and Finnish collaborators may receive funding from the Academy of Finland to pursue joint projects. Reflecting the funding priorities of each participating NSF division as well as those of the Academy of Finland, this program seeks research projects on novel frameworks, architectures, protocols, methodologies, and tools for the design and analysis of robust and highly dependable wireless communication systems and networks, especially as they support and enable the emerging Internet of Things (IoT). Each award may be up to $300K over two years.
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 16-578

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 16-581

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.
Secure and Trustworthy Cyberspace (SaTC)
National Science Foundation
Contact: varies
Solicitation number: NSF 16-580
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.

Computer and Network Systems (CNS): Core Programs
National Science Foundation
Contact: Mimi McClure, 703/292-8950, mmcclure@nsf.gov
Solicitation number: NSF 16-579
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.

Mathematical Sciences Postdoctoral Research Fellowships (MSPRF)
National Science Foundation
Contact: Bruce Palka, 703/292-4856, bpalka@nsf.gov
Solicitation number: NSF 16-558
The purpose of this program is to support future leaders in mathematics and statistics by facilitating their participation in postdoctoral research environments that will have maximal impact on their future scientific development. There are two options for awardees: Research Fellowship which provides full-time support for any eighteen academic-year months in a three-year period, in intervals not shorter than three consecutive months; and Research Instructorship which provides a combination of full-time and half-time support over a period of three academic years, usually one academic year full-time followed by two academic years half-time. Awards will support research in areas of mathematics and statistics, including applications to other disciplines. Fellowship awards are for a total of $150K, with a possible additional allowance of up to $20K for awards with international host institutions.
Developing a National Research Infrastructure for Neuroscience (NeuroNex)
National Science Foundation
Contact:
Solicitation number: NSF 16-569
The goal of this solicitation is to foster the development and dissemination of (1) innovative research resources, instrumentation, and neurotechnologies, and (2) theoretical frameworks for understanding brain function across organizational levels, scales of analysis, and/or a wider range of species, including humans. This interdisciplinary program is one element of NSF’s broader effort directed at Understanding the Brain, a multi-year activity that includes NSF’s participation in the Brain Research through Advancing Innovative Neurotechnologies (BRAIN) Initiative (http://www.nsf.gov/brain/) and the phased approach to develop a national research infrastructure for neuroscience as outlined in the Dear Colleague Letter NSF16-047. NSF envisions a connected portfolio of transformative, integrative projects that create synergistic links across investigators and communities, yielding novel ways of tackling the challenges of understanding the brain in action and in context.

This program solicits proposals that will develop and disseminate innovative neurotechnologies and/or theoretical frameworks that will transform our understanding of the linkages between neural activity and cognition and behavior across different systems, environments, and species, while also providing an avenue for widespread dissemination of these technologies and theoretical frameworks as well as broad training opportunities. The typical award size is expected to range from $500K to $2M/year, depending on the project size and scope and the availability of funds. Awards are expected to be three to five years in duration.

NSF/DOE Partnership in Basic Plasma Science and Engineering
National Science Foundation, Cross-Directorate
Contact: Varies with research interest
Solicitation number: NSF 16-564
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.

Graduate Research Fellowship Program (GRFP)
National Science Foundation, Cross-Directorate
Contact:
Solicitation number: NSF 16-588
The purpose of the NSF Graduate Research Fellowship Program (GRFP) is to help ensure the vitality and diversity of the scientific and engineering workforce of the United States. The program recognizes and supports outstanding graduate students who are pursuing research-based master’s and doctoral degrees in science, technology, engineering, and mathematics (STEM) or in STEM education. The GRFP provides three years of support for the graduate education of individuals who have demonstrated their potential for significant research achievements in STEM or STEM education. NSF especially encourages women, members of underrepresented minority groups, persons with disabilities, veterans, and undergraduate seniors to apply.
Division of Physics: Investigator-Initiated Research Project (PHY)

National Science Foundation


Contact: Varies with research interest

Solicitation number: NSF 16-566

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.

Network for Computational Nanotechnology (NCN) Supporting the Next Phase of NCN Nodes Programs - Limited Su

National Science Foundation


Contact: varies by research area

Solicitation number: NSF 16-593

The goals of the Network for Computational Nanotechnology (NCN) are to: 1) accelerate the transformation of nanoscience to nanotechnology through the integration of simulation with experimentation; 2) engage an ever-larger and more diverse cyber community sharing novel, high-quality nanoscale computation and simulation research and educational resources; 3) develop open-access, open-source software to stimulate data sharing; and 4) inspire and educate the next-generation workforce. The NCN consists of a stand-alone Cyber Platform, which provides computation, simulation, and education services to over 330,000 researchers, educators, students, and industry members of the nanoscience and engineering community annually worldwide; and Nodes, which develop compelling new computational and simulation tools to disseminate through Cyber Platform (nanoHUB.org) and cultivate communities of users in emerging areas of nanoscale science and engineering.

This solicitation will support the next phase of NCN Nodes Programs. The individual new Nodes will be funded at up to $800,000 each per year for up to five years. Content areas of the three new Nodes include:

Engineered nanoBIO - Create integrated computational tools that support new understanding and simulation of biological phenomena from the nanoscale across length scales for the design of devices and systems;

Hierarchical nanoMFG - Computation and simulation software to address the challenges of hierarchical nanomanufacturing processes from nanoscale components to devices and systems, and their scale up;

Nano-Engineered Electronic Device and Module Application Node (NEEDMA) - Develop computation and simulation tools that can be employed for turning nanoscale science and engineering into applications through the discovery and development of nanoelectronic-based devices and modules with impact on circuit and systems responding to grand challenges.
Advancing Informal STEM Learning (AISL)
National Science Foundation, Education and Human Resources (EHR)
Contact: 703/292-8616, DRLISE@nsf.gov
Solicitation number: NSF 15-593
The Advancing Informal STEM Learning (AISL) program seeks to advance new approaches to and evidence-based understanding of the design and development of STEM learning in informal environments; provide multiple pathways for broadening access to and engagement in STEM learning experiences; advance innovative research on and assessment of STEM learning in informal environments; and develop understandings of deeper learning by participants. The AISL program supports seven types of projects: (1) Exploratory Pathways, (2) Research in Service to Practice, (3) Innovations in Development, (4) Broad Implementation, (5) Conferences, (6) an Informal STEM Learning Resource Center (FY 2016 only), and (7) Collaborative Planning. Funding varies for these categories (see full FOA for details).

Petascale Computing Resource Allocations (PRAC)
National Science Foundation, Office of Cyberinfrastructure
Contact: Rudolf Eigenmann, 703/292-2598, reigenma@nsf.gov
Solicitation number: NSF 16-529

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.

Integrated Earth Systems (IES)
National Science Foundation
Contact: Leonard E. Johnson, 703/292-4749, lejohnso@nsf.gov
Solicitation number: NSF 16-589

The Earth consists of a variety of complex systems that are variable over space and time, and respond to a wide range of perturbations. The goal of the Integrated Earth Systems (IES) program is to investigate the interplay among the continental, terrestrial, and interior systems of the planet. The program provides an opportunity for collaborative, multidisciplinary research into the operation, dynamics, and complexity of Earth systems that encompass the core of the Earth through the surface. Innovative projects that explore new research directions beyond those typically considered by core programs of the Division of Earth Sciences (EAR) are encouraged. Investigations may include all or part of the continental, terrestrial and deep Earth at all temporal and spatial scales. IES will support topics that include (but are not limited to) continental systems; terrestrial or surficial Earth systems including physical, chemical, and biotic dimensions; linkages among tectonics, climate, and landscape evolution; the coupling of the Earth’s climate, depositional and biotic systems; and global cycles that involve core and mantle
SBE Postdoctoral Research Fellowships (SPRF)

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


Contact: Josie S. Welkom, 703/292-7376, jwelkom@nsf.gov

Solicitation number: NSF 16-590

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.

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.

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.

Ecology and Evolution of Infectious Diseases (EEID)

National Science Foundation


Contact:

Solicitation number: NSF 16-592

The goal of this program is to support important and innovative research on the ecological, evolutionary, and socio-ecological principles that influence the transmission dynamics of infectious diseases. The program’s focus is on the discovery of general principles and processes and on building and testing models that elucidate these principles. Projects must address quantitative or computational understanding of pathogen transmission dynamics. The history of the EEID program has shown that the most competitive proposals are those that advance broad, conceptual knowledge that reaches beyond the specific system under study and that may be useful for understanding public, agricultural or ecosystem health, natural resource use and wildlife management, and/or economic development. Such proposals are typically interdisciplinary in their approach and/or the nature of the question(s) being addressed. Under this solicitation, the maximum total (for all years) award size is $2.5 million, including indirect costs, and the maximum award duration is five years.
**NSF/Intel Partnership on Information-Centric Networking in Wireless Edge Networks (ICN-WEN)**

National Science Foundation  

Contact: Thyagarajan Nandagopal, 703/292-8950, tnandago@nsf.gov

Solicitation number: NSF 16-586

This solicitation seeks unique data network architectures featuring an information plane using an Information-Centric Networking (ICN) approach and addressing discovery, movement, delivery, management, and protection of information within a network, along with the abstraction of an underlying communication plane creating opportunities for new efficiencies and optimizations across communications technologies that could also address latency and scale requirements. Approximately 2 - 3 awards are anticipated, each up to $3,000,000 total and of 3 years in duration.

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**Platforms for Advanced Wireless Research (PAWR): Establishing the PAWR Project Office (PPO) (PAWR/PPO) - Limit**

National Science Foundation  

Contact: Thyagarajan Nandagopal, 702/292-8950, tnandago@nsf.gov

Solicitation number: NSF 16-585

The Platforms for Advanced Wireless Research (PAWR) program aims to support advanced wireless research platforms conceived by the U.S. academic and industrial wireless research community. PAWR will enable experimental exploration of robust new wireless devices, communication techniques, networks, systems, and services that will revolutionize the nation's wireless ecosystem, thereby enhancing broadband connectivity, leveraging the emerging Internet of Things (IoT), and sustaining US leadership and economic competitiveness for decades to come.

In order to support the design, development, deployment, and operations of the advanced wireless research platforms, the National Science Foundation's (NSF) Directorate for Computer and Information Science and Engineering (CISE) will support the work of a PAWR Project Office (PPO). Working closely with the wireless research community, the PPO will assume responsibility for design, development, and deployment of a set of advanced wireless research platforms. Upon successful completion of the design of advanced wireless research platforms, and contingent upon support from NSF management, the PPO will proceed to the development and deployment phases with funding provided by NSF as well as a PAWR Industry Consortium. Upon successful deployment of each individual research platform, the PPO may subsequently operate the platform in service to the wireless research community. The anticipated funding amount is $5M over 5 years.

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**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.
Geophysics (PH)

National Science Foundation, Geosciences (GEO)


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

Solicitation number: NSF 16-598

The Geophysics program supports basic research in the physics of the solid earth to explore its composition, structure, and processes. Laboratory, field, theoretical, and computational studies are supported. Topics include seismicity, seismic wave propagation, and the nature and occurrence of earthquakes; the earth’s magnetic, gravity, and electrical fields; the earth’s thermal structure; and geodynamics. Supported research also includes geophysical studies of active deformation, including geodesy, and studies of the properties and behavior of earth materials in support of geophysical observation and theory.

Improvements in Facilities, Communications, and Equipment at Biological Field Stations and Marine Laboratories (Biological Field Stations and Marine Laboratories (FSMLs) are off-campus facilities for research and education conducted in the natural habitats of terrestrial, freshwater, and marine ecosystems. FSMLs support environmental and basic biological research and education by preserving access to study areas and organisms, by providing facilities and equipment in close proximity to those study areas, and by fostering an atmosphere of mutual scientific interest and collaboration in research and education. To fulfill these roles, FSMLs must offer modern research and educational facilities, equipment, communications and data management for a broad array of users. In recognition of the importance of FSMLs in modern biology, NSF invites proposals that address these general goals of FSML improvement. Only one proposal may be submitted on behalf of any single facility per round of the FSML competition.

Alliances for Graduate Education and the Professoriate (AGEP)

National Science Foundation, Cross-Directororate


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

Solicitation number: NSF 16-552

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

Private/Nonprofit Agencies
**Surdna Foundation Grants**

Surdna Foundation

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

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

Solicitation number:

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

Organizations are eligible for a maximum of three consecutive years of funding. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

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**Smith Richardson Foundation Grants**

Smith Richardson Foundation

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

Contact: Varies with research interest

Solicitation number:

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

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**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.

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**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.
Ongoing

**Mellon Foundation Grants**

The Andrew W. Mellon Foundation

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

Contact: Varies with research interest

Solicitation number:

The foundation supports grantees within five defined program areas: Higher Education and Scholarship; Scholarly Communications; Arts and Cultural Heritage; International Higher Education and Strategic Projects; and Diversity. The Foundation is committed to identifying the best ideas, and the ablest intellectual leaders in its areas of interest, as well as making certain that the leaders of the institutions that it supports are both exceptional and fully behind the proposed work. Funding varies with project scope and interested researchers are asked to submit letters of inquiry to the appropriate program. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

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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.

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Ongoing

**Public Welfare Grants**

Public Welfare Foundation


Contact: 202/965-1800, info@publicwelfare.org

Solicitation number:

The Foundation supports efforts to advance justice and opportunity for people in need. The Foundation looks for strategic points where its funds can make a significant difference and improve lives through policy change and system reform. The three program areas of focus are: Criminal Justice, Juvenile Justice and Workers’ Rights. Though letters of inquiry may be submitted at any time, applicants should plan ahead. It takes up to one month after receiving a letter of inquiry to determine whether an invitation will be sent to submit a full proposal. Full proposals are reviewed in July, November, and March. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

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Ongoing

**Committee for Research and Exploration Grant**

National Geographic Society


Contact: cre@ngs.org

Solicitation number:

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

The Foundation for the Scientific Study of Sexuality (FSSS)

http://www.sexscience.org/honors/fsss_grants_in_aid_program/

Contact: 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.

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**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.

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**Michelson Grants in Reproductive Biology**

Found Animals Foundation

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

Contact: MichelsonPrize@foundanimals.org

Solicitation number:

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

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**Energy Foundation Grants**

The Energy Foundation

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

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

Solicitation number:

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

Lumina Foundation

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

Contact: Candace Brandt, 317/951-5300

Solicitation number:

Lumina’s overarching goal is to increase the higher education attainment rate of the United States to 60 percent by 2025. Lumina supports efforts to increase awareness of the benefits of higher education, improve student access to and preparedness for college, improve student success in college, and increase productivity across the higher education system. Grants vary in size by their scope. The median size of a grant is approximately $250K. The usual duration for a grant is one to three years. Unsolicited inquiries are reviewed until September, and selected applicants will be invited to send in a full proposal. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

**Lannan Foundation Grants**

Lannan Foundation

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

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

Solicitation number:

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

**Mathers Grants**

The G. Harold & Leila Y. Mathers Charitable Foundation

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

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

Solicitation number:

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

**Conservation Trust Grant**

National Geographic Society


Contact: conservationtrust@ngs.org

Solicitation number:

The objective of the Conservation Trust is to support conservation activities around the world as they fit within the mission of the National Geographic Society. The trust will fund projects that contribute significantly to the preservation and sustainable use of the Earth’s biological, cultural, and historical resources. Applicants are not expected to have PhDs or other advanced degrees. However, applicants must provide a record of prior research or conservation action as it pertains to the proposed project. While grant amounts vary greatly, most range from $15K to $20K. Pre-applications are accepted throughout the year. Applications are submitted by invitation only. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.
Environment Program
The William and Flora Hewlett Foundation
http://www.hewlett.org/programs/environment-program/
Contact: 650/234-4500
Solicitation number:
The Environment Program supports projects with goals to: conserve the Western United States and Canada for wildlife and people; slow global climate change by reducing greenhouse gas emissions; ensure that the US energy supply is clean and consumption is efficient; and address environmental problems that disproportionately affect disadvantaged communities in the San Francisco Bay Area. The Foundation accepts unsolicited letters of inquiry for its Western Conservation Program and its Energy and Climate Program. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Pollock-Krasner Grants
The Pollock-Krasner Foundation, Inc.
http://www.pkf.org/grant.html
Contact: 212/517-5400, grantapplication@pkf.org
Solicitation number:
The dual criteria for grants are recognizable artistic merit and demonstrable financial need, whether professional, personal or both. The Foundation's mission is to aid, internationally, those individuals who have worked as professional artists over a significant period of time. The Foundation welcomes, throughout the year, applications from visual artists who are painters, sculptors and artists who work on paper, including printmakers. There are no deadlines. Grants are intended for a one-year period of time. The size of the grant ranges from $5K to $30K. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Funding for Readings and Workshops
Poets & Writers
http://www.pw.org/content/funding_readingsworkshops
Contact: 310/481-7195
Solicitation number:
Poets & Writers provides fees to writers who give readings or conduct writing workshops. Each year, our Readings/Workshops program supports hundreds of writers participating in events in large cities and small towns throughout New York and California. Grants for readings or spoken word performances range from $50 to $350. Grants for workshops range from $100 to $200 per session. Applicants are encouraged to apply more than eight weeks in advance of the event. Grants are awarded on a rolling basis. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

Mott Foundation Grants
The Charles Stewart Mott Foundation
http://www.mott.org/grantseeker.aspx
Contact:
Solicitation number:
The Charles Stewart Mott Foundation supports efforts in civil society, the environment, and pathways out of poverty. The median grant size is in the $100K range. The majority of grants are between $15K and $250K annually. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.
Swiss International Short Visits
Swiss National Science Foundation
Contact: international@snf.ch
Solicitation number:
The International Short Visits of the SNSF allow for researchers working in Switzerland to go abroad or for researchers from elsewhere to come to Switzerland. The visits can last between one week and three months and are limited to one person (the visiting fellow) going to one institute (the host institute). Both the visiting fellow and one person from the host institute (the host) are co-applicants of the proposal. The SNSF pays lump sums contributing solely to travel (one round trip) and living expenses of the visiting fellow. The submission of an application is possible at any time, but must be deposited at least two months before the grant is due to start.

Humanities Program Grants
The Gladys Krieble Delmas Foundation
http://delmas.org/programs/
Contact: 212/687-0011, info@delmas.org
Solicitation number:
The Foundation intends to further the humanities along a broad front, supporting projects which address the concerns of the historical studia humanitatis: a humanistic education rooted in the great traditions of the past; the formation of human beings according to cultural, moral, and aesthetic ideals derived from that past; and the ongoing debate over how these ideals may best be conceived and realized. Programs in the following areas are eligible: history; archaeology; literature; languages, both classical and modern; philosophy; ethics; comparative religion; the history; criticism, and theory of the arts; and those aspects of the social sciences which share the content and methods of humanistic disciplines. Inquiries are reviewed on an ongoing basis. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

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

Documentary Film Program
Sundance Institute
http://www.sundance.org/programs/documentary-film/
Contact: dfp@sundance.org
Solicitation number:
The Sundance Documentary Fund provides grants to filmmakers worldwide for projects that display: artful film language, effective storytelling, originality and feasibility, contemporary cultural relevance, and potential to reach and connect with its intended audience. Preference is given to projects that convey clear story structure, higher stakes and contemporary relevance, forward going action or questions, demonstrated access to subjects, and quality use of film craft.
CASIS Unsolicited Proposals

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

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)

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.
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.
Targeted Grants in Mathematics and Physical Sciences
Simons Foundation
https://www.simonsfoundation.org/funding/funding-opportunities/mathematics-physical-sciences/targeted-grants-in-mps/
Contact: Elizabeth Roy, 212-524-6966, mps@simonsfoundation.org
Solicitation number:
The program is intended to support high-risk projects of exceptional promise and scientific importance on a case-by-case basis. A typical Targeted Grant in MPS provides funding for up to five years. The funding provided is flexible and based on the type of support requested in the proposal. Expenses for experiments, equipment, or computations, as well as for personnel and travel, are allowable.

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

Simons Fellows Program in Mathematics and Physics
Simons Foundation
https://www.simonsfoundation.org/funding/funding-opportunities/mathematics-physical-sciences/simons-fellow-program/
Contact: varies
Solicitation number:
The Simons Foundation Division for Mathematics and the Physical Sciences invites applications for the Simons Fellows Programs in both Mathematics and Theoretical Physics. The Fellows Programs provide funds to faculty for up to a semester long research leave from classroom teaching and administrative obligations. Such leaves can increase creativity and provide intellectual stimulation. The goal of the Simons Fellows Program is to make it easier to take such leaves, or to extend sabbatical leaves by an extra half year.

ACLS Collaborative Research Fellowships
American Council of Learned Societies (ACLS)
http://www.acls.org/programs/collaborative/
Contact: fellowships@acls.org
Solicitation number:
The aim of this fellowship program is to offer small teams of two or more scholars the opportunity to collaborate intensively on a single, substantive project. The fellowship supports projects that aim to produce a tangible research product (such as joint print or web publications) for which two or more collaborators will take credit. The fellowships are for a total period of up to 24 months, to be initiated between July 1, 2013 and September 1, 2015, and provide salary replacement for each collaborator based on academic rank as well as up to $20K in collaboration 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.
**ACLS Fellowships**

American Council of Learned Societies (ACLS)


Contact: fellowships@acls.org

**Solicitation number:**

The ACLS Fellowship program invites research applications in all disciplines of the humanities and related social sciences. The ultimate goal of the project should be a major piece of scholarly work by the applicant. The ACLS Fellowships are intended as salary replacement to help scholars devote six to twelve continuous months to full-time research and writing. The Fellowship stipend is set at three levels based on academic rank: up to $35K for Assistant Professor and career equivalent; up to $45K for Associate Professor and career equivalent; and up to $65K for full Professor and career equivalent.

**Lilly Library Fellowships**

Indiana University Bloomington

http://www.indiana.edu/~liblilly/fellowships.shtml

Contact: liblilly@indiana.edu

**Solicitation number:**

The Lilly Library invites applications for visiting fellowships for research in residence in its collections. The Lilly Library is the principal rare book and manuscript library of Indiana University. Its holdings support research in British, French, and American literature and history; the literature of voyages and exploration, specifically the European expansion in the Americas; early printing, and the Church, children's literature, music; film, radio and television; medicine, science, and architecture; and food and drink.

**Pardee Foundation Grants**

Elsa U. Pardee Foundation

http://www.pardeefoundation.org/grants.aspx

Contact: 989/832-3691, info@pardeefoundation.org

**Solicitation number:**

The foundation funds research directed toward identifying new treatments or cures for cancer. The Foundation particularly encourages grant applications for a one-year period which will allow establishment of capabilities of new cancer researchers, or new cancer approaches by established cancer researchers. Project relevance to cancer detection, treatment, or cure should be clearly identified. Before applying to foundation opportunities, please contact Janice Hartoch Taylor, Director of Foundation Relations (janice.taylor@ia.ucsb.edu or x8406) for more information and coordination purposes.

**Franklin Research Grants**

American Philosophical Society

http://www.amphilsoc.org/grants/franklin

Contact: Linda Musumeci, 215/440-3429, LMusumeci@amphilsoc.org

**Solicitation number:**

The American Philosophical Society awards small grants to scholars in order to support the cost of research leading to publication in all areas of knowledge. The program is particularly designed to help meet the costs of travel to libraries and archives for research purposes; the purchase of microfilm, photocopies, or equivalent research materials; the costs associated with fieldwork; or laboratory research expenses. Applicants are expected to have a doctorate or to have published work of doctoral character and quality. Ph.D. candidates are not eligible to apply. Funding is offered up to a maximum of $6K.
Inclusive Excellence - 2018 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.

Contact:

Solicitation number:

The Getty Foundation

http://www.getty.edu/foundation/funding/residential/getty_scholars.html

Contact: 310/440-7374, researchgrants@getty.edu

Solicitation number:

Recipients will reside at the Getty Research Institute, where they pursue their own projects free from academic obligations, make use of Getty collections, join their colleagues in a weekly meeting devoted to an annual theme, and participate in the intellectual life of the Getty. These grants are for established scholars, artists, or writers who have attained distinction in their fields. Applications are welcome from researchers of all nationalities who are working in the arts, humanities, or social sciences. Getty Scholars may be in residence for three to nine months. A stipend of up to $65K per year will be awarded based on length of stay, need, and salary. 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.

Contact:

Solicitation number:

100&Change - Limited Submission

The John D. and Catherine T. MacArthur Foundation

https://www.100andchange.org/

Contact: questions@100andchange.org

Solicitation number:

100&Change is a MacArthur Foundation competition for a $100 million grant to fund a single proposal that will make measurable progress toward solving a significant problem. 100&Change will select a bold proposal that promises real progress toward solving a critical problem of our time. And it will award a $100 million grant to help make that solution a reality. Proposals focused on any critical issue are welcome. Proposals should articulate both the problem and the proposed solution, and must have a charitable purpose. Competitive proposals will be meaningful, verifiable, durable, and feasible.
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, mps@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.

10/3/2016  Full Application

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

Santa Barbara Foundation


Contact: Sharyn Main, smain@sbfoundation.org

Solicitation number:

This initiative seeks to advance regional strategies to increase land conservation, improve ecosystem health, ensure agricultural viability and improve the local food system. The purpose of this grant program is to provide quick response funding to ensure momentum for 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 $2,500 to $20,000.

10/15/2016  Application

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.
Library Research Grants
The Getty Foundation
http://www.getty.edu/foundation/funding/residential/library_research_grants.html
Contact: 310/440-7374, researchgrants@getty.edu
Solicitation number:
 Getty Library Research Grants provide partial, short-term support for costs relating to travel and living expenses for scholars whose research requires use of specific collections housed in the Getty Research Institute. A Library Research Grant is not a prerequisite for obtaining access to the Research Library. Library Research Grants are intended for scholars of all nationalities and at any level who demonstrate a compelling need to use materials housed in the Research Library, and whose place of residence is more than eighty miles from the Getty Center. Projects must relate to specific items in the library collection. Grants range from $800 to $3,000, depending on the distance traveled. The research period may range from several days to a maximum of three months.

Residential Fellowships at the National Humanities Center
National Humanities Center
http://nationalhumanitiescenter.org/become-a-fellow/
Contact: 919/549-0661
Solicitation number:
The National Humanities Center will offer up to 40 residential fellowships for advanced study in the humanities for the period September 2017 through May 2018. Applicants must have a doctorate or equivalent scholarly credentials. Mid-career scholars as well as senior scholars are encouraged to apply. Emerging scholars with a strong record of peer-reviewed work may also apply. The Center does not normally support the revision of a doctoral dissertation. In addition to scholars from all fields of the humanities, the Center accepts individuals from the natural and social sciences, the arts, the professions, and public life who are engaged in humanistic projects.

Most of the Center’s fellowships are unrestricted. Several, however, are designated for particular areas of research, including fellowships for environmental studies, English literature, art history, Asian studies, theology, and for early-career female philosophers. The Center also invites applicants from scholars in interdisciplinary fields, including African-American studies, area studies, bioethics, cultural studies, history of science and technology, film and media studies.

Doctoral New Investigator (DNI) Grants
American Chemical Society
https://www.acs.org/content/acs/en/funding-and-awards/grants/prf/programs/dni.html
Contact: Varies with research interest
Solicitation number:
These grants provide start-up funding for scientists and engineers who are within the first three years of their first academic appointment at the level of Assistant Professor or the equivalent. Applicants may have limited or no preliminary results for a research project they wish to pursue, with the intention of using the preliminary results obtained to seek continuation funding from other agencies. The DNI grants are to be used to illustrate proof of principle or concept, to test a hypothesis, or to demonstrate feasibility of an approach. The award amount is $100K over two years.
**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.

**Program on Race, Ethnicity, and Immigration**
Russell Sage Foundation

http://www.russellsage.org/research/funding/race-ethnicity-immigration

Contact: programs@rsage.org

Solicitation number:

This new program seeks investigator-initiated research proposals on the social, economic, and political effects of the changing racial and ethnic composition of the U.S. population, including the transformation of communities and ideas about what it means to be American. We are especially interested in innovative research that examines the roles of race, ethnicity, nativity, and legal status in outcomes for immigrants, U.S.-born racial and ethnic minorities, and native-born whites. Proposals may raise a variety of research questions about any one or more of the three topics encompassed by this program—race, and/or ethnicity, and/or immigration. Applications should limit budget requests to no more than a two-year period, with a maximum of $150K (including overhead) per project. Presidential Awards, with a maximum budget of $35K (no overhead allowed) are also available. Before applying to foundation opportunities, please contact James Wilson, james@rsage.org for more information and coordination purposes.

**Program on Social Inequality**
Russell Sage Foundation

http://www.russellsage.org/research/social-inequality/funding_opportunity

Contact: James Wilson, james@rsage.org

Solicitation number:

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

Burroughs Wellcome Fund


Contact: Jean Kramarik, 919/991-5122, jkramarik@bwfund.org

Solicitation number:

Five-year awards provide $500K for accomplished investigators at the assistant professor level to study pathogenesis, with a focus on the intersection of human and microbial biology. The program is intended to shed light on the overarching issues of how human hosts handle infectious challenge. The awards are intended to give recipients the freedom and flexibility to pursue new avenues of inquiry and higher-risk research projects that hold potential for advancing significantly the biochemical, pharmacological, immunological, and molecular biological understanding of how infectious agents and the human body interact. Research support, which is under the control of the grantee, may be used flexibly for items such as consumable supplies, equipment, publishing costs, travel to scientific meetings, and laboratory personnel working with the grantee. Candidates must have an established record of independent research and hold a tenure-track position as an assistant professor or equivalent (at the time of application) at a degree-granting institution. OR has not received any notices of intent. Contact funding@research.ucsb.edu if you are interested in submitting.

12/9/2016 Letter of Inquiry (required)
3/1/2017 Full Proposal

Terra Foundation Academic Program Grants

Terra Foundation for American Art

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

Contact: Amy Gunderson, grants@terraamericanart.org.

Solicitation number:

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

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.