Announcements

Recent Limited Submissions announcements are as follows:

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*Note: A pre-proposal is required upon notification to OSP of interest. Contact carol.brodie@unlv.edu for pre-proposal requirements.

New NIH Application Guide
The National Institutes of Health has updated their application guide for all proposals with due dates on or after May 25, 2016. A list of significant changes can be found at: http://grants.nih.gov/grants/how-to-apply-application-guide/forms-d/general/g.120-significant-changes.htm.

Opportunities for Students

UNLV’s Office of Undergraduate Research (OUR) has information on their website about research and funding opportunities for undergraduate students. Check them out here: http://www.unlv.edu/our

The Office of Sponsored Programs maintains a list of some financial resources for both graduate and undergraduate students: http://www.unlv.edu/research/financial-resources-graduate-and-undergraduate-students

North Carolina Museum of Art - Internships
http://ncartmuseum.org/get_involved/interns/

The North Carolina Museum of Art offers internships to qualified undergraduate and graduate students that provide unique opportunities for professional growth and development within a museum setting. In addition, the Museum benefits from the work and contributions made by the intern toward the goals and daily activities of the
Museum. Internships are non-compensated, but students gain valuable experience working at the Museum and may be able to earn educational credits for their work.

**Deadlines:**  
- June 15 for Fall Semester; November 1 for Spring Semester; March 1 for Summer Semester

**Howard Hughes Medical Institute – Janelia Graduate Research Fellowships**  
[https://www.janelia.org/you-janelia/students-postdocs/graduate-research-fellowship...](https://www.janelia.org/you-janelia/students-postdocs/graduate-research-fellowship...)

The Janelia Graduate Research Fellowship is a fully-funded, collaborative PhD program for independent, committed graduate students enrolled in a doctoral program. Required course work at the student’s home university must be completed before joining Janelia. This program allows exceptional students to spend time at Janelia working on all or part of their thesis research. Graduate students conduct research in the following fields:

- basic neuroscience
- imaging technology
- evolutionary biology
- computational biology
- physics
- chemistry
- related fields of research

**Deadline:** Applications accepted year round

**Recycling Research Foundation - Scholarships**  
[http://www.isri.org/about-isri/recycling-research-foundation#.VzCa2oQrKUk](http://www.isri.org/about-isri/recycling-research-foundation#.VzCa2oQrKUk)

The Recycling Research Foundation’s mission is to “promote the art and science of scrap processing and recycling through research, sponsorships, technical assistance, and educational programs for the purpose of advancing the industry.” Recognizing the need for affordable graduate education, the Foundation created a $5,000 national scholarship open to individuals seeking a graduate degree in a program that supports the scrap processing and recycling industry as a whole.

**Deadline:** June 1, 2016

**National Science Foundation - Student Trainee (Program Assistant) – Intern**  
[https://www.usajobs.gov/GetJob/ViewDetails/438053600](https://www.usajobs.gov/GetJob/ViewDetails/438053600)

Open to any U.S. Citizen, at least 16 years old, who is a student currently enrolled for the Spring 2016 or Fall 2016 semesters in a degree or certificate seeking program, taking at least a half-time course load. Candidates must have at least a 2.5 grade point average on a 4.0 scale. Students are employed throughout the academic year. Student Trainees work on the front-line, supporting the National Science Foundation’s efforts to promote and fund the best possible awards through grants, cooperative agreements, and other mechanisms. If you are customer oriented, enjoy working on a variety of automated systems, are organized, and have great communication skills, working as a Student Trainee is the right job for you! The National Science Foundation anticipates multiple openings for these positions, and these positions will be filled using hiring authorities under the Pathways Programs.

**Deadline to Apply:** May 23, 2016

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**International Opportunities**

**Council on Foreign Relations - International Affairs Fellowships**  

The International Affairs Fellowship (IAF) is a distinguished program offered by the Council on Foreign Relations (CFR) to assist mid-career scholars and professionals in advancing their analytic capabilities and broadening their foreign policy experience. The program aims to strengthen career development by helping outstanding individuals acquire and apply foreign policy skills beyond the scope of their professional and scholarly achievements. The distinctive character of the IAF Program lies in the contrasting professional experiences fellows obtain through their twelve-month appointment. Selected fellows from academia and the private sector spend fellowship tenures in public service and policy-oriented settings, while government officials spend their tenures in a scholarly atmosphere free from operational pressure.

**Deadline:** October 31, 2016
**Arts and the Humanities**

**Columbia University, Donald Keene Center of Japanese Culture -- Japan-U.S. Friendship Commission Prizes for the Translation of Japanese Literature**
http://www.keenecenter.org/translation_prize.html
The Donald Keene Center of Japanese Culture at Columbia University annually awards $6000 in Japan-U.S. Friendship Commission Prizes for the Translation of Japanese Literature. A prize is given for the best translation of a modern work or a classical work, or the prize is divided between equally distinguished translations. Translations must be of book-length Japanese literary works: novels, collections of short stories, manga, literary essays, memoirs, drama, or poetry.
**Deadline:** June 1, 2016

**National Endowment for the Humanities - America's Media Makers Grants**
These grants support film, television, and radio projects for general audiences that encourage active engagement with humanities ideas in creative and appealing ways. All projects must be grounded in humanities scholarship in disciplines such as history, art history, film studies, literature, drama, religious studies, philosophy, or anthropology. Projects must also demonstrate an approach that is thoughtful, balanced, and analytical (rather than celebratory). The approach to the subject matter must go beyond the mere presentation of factual information to explore its larger significance and stimulate critical thinking.

  Development grants enable media producers to collaborate with scholars to develop humanities content and to prepare programs for production. Grants should result in a script or detailed treatment and may also yield a plan for outreach and public engagement.

  Production grants support the production and distribution of films, television programs, and radio programs that promise to engage a broad public audience.

**Deadline:** August 10, 2016

**National Endowment for the Humanities - Humanities Connections**
http://www.grants.gov/web/grants/view-opportunity.html?oppId=283098
Humanities Connections 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. The linked courses (a minimum of three) may fulfill general education or core curriculum requirements but could also be designed primarily for students in a particular major or course of study. The Humanities Connections program gives special encouragement to projects that foster collaboration between humanities faculty and their counterparts in the social and natural sciences and pre-service or professional programs in business, engineering, health sciences, law, computer science, and other non-humanities fields.

Humanities Connections projects have two core features:

1. Faculty from at least two separate departments or schools at a single institution must collaborate to devise new curricular arrangements; and
2. Projects must include provisions for high-impact student engagement activities that relate directly to the topic(s) of the linked courses. These activities could include individual or collaborative undergraduate research projects; opportunities for civic engagement; or a structured experience with community-based,
project-based, or site-based learning. Community organizations and cultural institutions can play key roles in this regard.

**Deadline:** October 5, 2016

**French Embassy - Publishing Grants & Prizes**
http://frenchculture.org/books/grants-and-programs/publishing-grants-prizes
The Book Department of the Cultural Services works to promote French and Francophone literature and to encourage English translations of French fiction and non-fiction. The Book Department provides a range of grants to help publishers with rights, translation, and to promote paper and digital editions of translated French work.

**Deadline:** August 29, 2016

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**Education, Business and Social Sciences**

**Spencer Foundation - Small Research Grants**
http://www.spencer.org/small-research-grants
The Foundation currently accepts proposals for small research grants, with a budget limit of $50,000. Small grant proposals covering any topic that falls within Spencer’s mission can be submitted through our general small grants program. Historically, the work funded through these grants has spanned, both across and within studies, a range of disciplines, including education, psychology, sociology, economics, history, and anthropology.

**Deadlines:** August 1, 2016, and November 1, 2016, February 1, 2017.

**National Science Foundation - Cultural Anthropology**
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5388
The primary objective of the Cultural Anthropology Program is to support basic scientific research on the causes, consequences, and complexities of human social and cultural variability. Anthropological research spans a wide gamut, and contemporary cultural anthropology is an arena in which diverse research traditions and methodologies are valid. Recognizing the breadth of the field’s contributions to science, the Cultural Anthropology Program welcomes proposals for empirically grounded, theoretically engaged, and methodologically sophisticated research in all sub-fields of cultural anthropology.

**Deadlines:**
- January 15 and August 15 annually for Senior Research Proposals, Doctoral Dissertation Research Improvement Grant Proposals, most Workshop proposals and proposals for Training Programs.
- January 16 and August 16 annually for Faculty Scholars proposals.
- EAGER, RAPID, and small workshop proposals may be submitted at any time, with prior permission of the Program Officer.
- March 1 annually for REG and REU supplement proposals. They may also be submitted out of cycle, with prior permission of the Program Officer.

**National Science Foundation - Methodology, Measurement, and Statistics (MMS)**
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5421
The Methodology, Measurement, and Statistics (MMS) Program is an interdisciplinary program in the Directorate for Social, Behavioral, and Economic Sciences that supports the development of innovative, analytical, and statistical methods and models for those sciences. MMS seeks proposals that are methodologically innovative, grounded in theory, and have potential utility for multiple fields within the social and behavioral sciences.

**Deadlines:** August 25, 2016, January 26, 2017

**National Science Foundation - Prediction of and Resilience against Extreme Events (PREEVENTS)**
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504804
PREEVENTS is designed as a successor to Hazards SEES and is one element of the NSF-wide Risk and Resilience activity, which has the overarching goal of improving predictability and risk assessment, and increasing resilience, in order to reduce the impact of extreme events on our life, society, and economy. PREEVENTS will provide an additional mechanism to support research and related activities that will improve our understanding of the fundamental processes underlying natural hazards and extreme events in the geosciences.

PREEVENTS seeks projects that will (1) enhance understanding of the fundamental processes underlying natural hazards and extreme events on various spatial and temporal scales, as well as the variability inherent in such
hazards and events, and (2) improve our capability to model and forecast such hazards and events. **All projects requesting PREEVENTS support must be primarily focused on these two targets.**

**Deadlines:**
Track 1: Full Proposal Window: August 1, 2016 - **January 4, 2017**; January 5, 2017 - **January 4, 2018**
Track 2: Required Letter of Intent: **July 29, 2016**; Full Proposals: **September 19, 2016**

**Defense Advanced Research Projects Agency - Accelerated Computation for Efficient Scientific Simulation (ACCESS)**

The Defense Sciences Office at the Defense Advanced Research Projects Agency (DARPA) is soliciting research proposals in technologies for the acceleration of scientific simulations of physical systems characterized by coupled partial differential equations (PDEs). The Accelerated Computation for Efficient Scientific Simulation (ACCESS) Program seeks innovative ideas for computational architectures that will achieve the equivalent of petaflops performance in a benchtop form-factor and be capable of what traditional architectures would define as “strong” scaling for predictive scientific simulations of interest. DARPA expects achieving these goals will require the parallel development of non-traditional component technologies exploiting novel hybrid analog/digital techniques, algorithms, instruction sets, controllers, and the integration and optimization of these components within prototype systems.

**Deadlines:**
- Required Abstract: **May 20, 2016**
- Full Proposal: **June 28, 2016**

**Department of Justice - OJJDP FY 2016 Studies Program on Trauma and Justice-Involved Youth**

OJJDP is seeking applications for funding under its FY 2016 Studies Program on Trauma and Justice-Involved Youth. This program will support original research, design expansions to current research, and/or secondary analysis of existing data to provide objective, independent knowledge about (1) the developmental pathways of youth from exposure to violence and trauma to justice involvement, (2) the implications of justice involvement on possible re-traumatization, and (3) the development of culturally appropriate, evidence-based, trauma-informed practices. OJJDP is particularly interested in proposals to investigate these topics in populations whose justice system involvement is understudied, specifically youth who are Hispanic/Latino, American Indian/Alaska Native, LGBTQI, and girls.

**Deadline:** **June 23, 2016**

**National Institutes of Health - Accelerating the Pace of Drug Abuse Research Using Existing Data (R01)**

The purpose of this Funding Opportunity Announcement (FOA) is to invite applications proposing the innovative analysis of existing social science, behavioral, administrative, and neuroimaging data to study the etiology and epidemiology of drug use behaviors (defined as alcohol, tobacco, prescription and other drug) and related disorders, prevention of drug use and HIV, and health service utilization. This FOA encourages the analyses of public use and other extant community-based or clinical datasets to their full potential in order to increase our knowledge of etiology, trajectories of drug use behaviors and their consequences including morbidity and mortality, risk and resilience in the development of psychopathology, strategies to guide the development, testing, implementation, and delivery of high quality, effective and efficient services for the prevention and treatment of drug abuse and HIV.

**Deadlines:** **February 5, June 5, October 5**
AIDS Deadlines: **January 7, May 7, September 7**

**Science, Mathematics and Engineering**

**Department of Energy - ENabling Extreme Real-time Grid Integration of Solar Energy (ENERGISE)**

As part of the Department of Energy’s Grid Modernization and SunShot Initiatives, this Enabling Extreme Real-Time Grid Integration of Solar Energy (ENERGISE) Funding Opportunity Announcement (FOA) supports the research and development of highly scalable distribution system planning and real-time operation solutions that enables
seamless interconnection and integration of high penetration solar generation onto the electricity grid in a cost-effective, secure, and reliable manner. The envisioned ENERGISE solutions will require the extensive use of sensor, communication, and data analytics technologies to gather up-to-the-minute measurement and forecast data from diverse sources and perform continuous optimization analysis and active control for existing and new PV installations in real time. The solutions need be compatible with the existing grid architecture in the near term and with the advanced grid architecture in the long term. The solutions should also be designed with consideration of the interoperability and cybersecurity requirements. The main objectives of this ENaabling Extreme Real-time Grid Integration of Solar Energy (ENERGISE) Funding Opportunity Announcement (FOA) are to:

1. Seek near-term (2020), commercially-ready and highly scalable distribution system planning and real-time operation solutions that seamlessly interconnect and integrate high penetration (>50% of distribution peak load) solar generation in existing grid architecture (e.g. centralized generation, transmission, and distribution) in a cost-effective, secure, and reliable manner.
2. Seek long-term (2030), transformative and highly scalable technologies that plug into distribution system planning and real-time operation solutions for advanced grid architectures (e.g. distributed generation, dynamic network topology, microgrid, and potentially distribution level energy market) to enable extremely high penetration (> 100% of distribution peak load) solar generation in a cost-effective, secure, and reliable manner.

Deadlines:
Required Concept Papers: Jun. 17, 2016
Applications: Aug. 26, 2016

National Science Foundation - EarthScope
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501035
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. This Solicitation calls for single or collaborative proposals to conduct scientific research and/or education and outreach activities within North America that:
- Make use of capabilities provided through, and/or data and/or models derived from, GAGE, SAGE, and/or SAFOD and
- Further the scientific and educational goals of EarthScope, as described in the 2010 EarthScope Science Plan and/or EarthScope Education and Outreach Implementation Plan.
Deadline: November 15, 2016

Defense Advanced Research Projects Agency - INTERfering and Co-Evolving Prevention and Therapy (INTERCEPT)
https://www.fbo.gov/index?s=opportunity&mode=form&id=109a03c1950a386c6ba8ef34f21...
The INTERCEPT program aims to explore and evaluate the potential of TIPs as a therapeutic and/or preventive approach for the long term control of a broad range of fast-evolving viruses. The program will address the key technical challenges and risks of TIP safety, efficacy, longterm co-evolution, and generalizability, by leveraging novel molecular and genetic design tools, high throughput genomic technologies, and advanced computational methods in a multidisciplinary, multi-team effort. Proposers must address one of the following:
- All three Technical Areas;
- Technical Areas 2 and 3; or
- Technical Area 3.
- Technical Area 1 (TA1): TIP engineering and screening
- Technical Area 2 (TA2): Optimization for long-term TIP safety, efficacy, and co-evolution
- Technical Area 3 (TA3): Mathematical modeling

Deadlines:
Abstract: May 19, 2016
Proposal: July 7, 2016
National Science Foundation - Opportunities for Promoting Understanding through Synthesis (OPUS)
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13403
All four clusters within the Division of Environmental Biology (Population and Community Ecology, Ecosystem Science, Evolutionary Processes and Systematic Biology and Biodiversity Inventories) encourage the submission of proposals aimed at synthesizing a body of related research projects conducted by a single individual or a group of investigators over an extended period. OPUS proposals will often be appropriately submitted in mid-to-late career, but will also be appropriate early enough in a career to produce unique, integrated insight useful both to the scientific community and to the development of the investigator’s future work. In cases where multiple scientists have worked collaboratively, an OPUS award will provide support for collaboration on a synthesis.
Deadline: August 01, 2016

National Aeronautics and Space Administration - Citizen Science for Earth Systems Program (ROSES 2016)
https://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solld=...
The primary goal of the Citizen Science for Earth Systems Program is to develop and implement capabilities to harness voluntary contributions from members of the general public to advance understanding of the Earth as a system. For the purpose of this solicitation, citizen science is defined as efforts or projects which use voluntary public participation in the scientific endeavor, including – but not limited to – formulating research questions, conducting experiments, collecting and analyzing data collected by citizen and/or professional scientists, interpreting results, making new discoveries, and/or developing technologies and applications. Through this solicitation, two types of proposals are sought – citizen science research and low cost sensor deployment for the collection of well calibrated citizen science data. All proposals must demonstrate linkages between citizen science and NASA satellite observations.
Deadlines:
Notice of Intent: May 27, 2016
Proposals: July 21, 2016

Department of Energy - Project Development for Pilot and Demonstration Scale Manufacturing of Biofuels, Bioproducts and Biopower (PD2B3)
http://www.grants.gov/web/grants/view-opportunity.html?oppId=283616
This FOA will identify, evaluate, and select applications proposing project development and execution plans for the manufacture of Advanced or Cellulosic Biofuels (“Biofuels”, as defined in the Energy Investment and Security Act of 2007 (EISA 2007) §201), bioproducts, refinery compatible intermediates, or biopower in a domestic pilot or demonstration scale Integrated Biorefinery (IBR). Scale-up and validation of these process technologies is essential to enable the industry to build future pioneer- and commercial-scale facilities. The FOA seeks applications for projects to first design, and then construct and operate IBR facilities. There will be a down-select review between the design phase (Phase 1) and the construction/operation phase (Phase 2). The FOA will include three topic areas as follows:
• Topic Area 1: Pilot scale production of Biofuels from high impact cellulosic, algal, or biogas feedstocks. Minimum feedstock throughput must be 1 dry metric ton (DMT) per day or equivalent throughput of algal biomass or biogas. Bioproducts and biopower are only allowed as co-products from the facility.
• Topic Area 2: Demonstration scale production of Biofuels from high impact cellulosic, algal, or biogas feedstocks. Minimum feedstock throughput must be 50 DMT per day or equivalent of algal biomass or biogas. Bioproducts and biopower are only allowed as co-products from the facility.
• Topic Area 3: Production of either biopower or Biofuels from biosolids and other allowable Wet Waste Feedstock streams. Bioproducts are also allowed as co-products from the facility. Minimum feedstock throughput must be 1 DMT per day.
Deadline: June 6, 2016

National Science Foundation - NSF/DOE Partnership in Basic Plasma Science and Engineering
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5602
The National Science Foundation (NSF), with participation of the Directorates for Engineering, Geosciences, and Mathematical and Physical Sciences, and the Department of Energy, Office of Science, Fusion Energy Sciences are continuing the joint Partnership in Basic Plasma Science and Engineering begun in FY1997 and renewed several times since. As stated in the original solicitation (NSF 97-39), which is superseded by the present solicitation, the goal of the initiative is to enhance basic plasma research and education in this broad, multidisciplinary field by
coordinating efforts and combining resources of the two agencies. 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 and facilities located at DOE national laboratories, designed to serve the needs of the broader plasma community.

**Deadline:** October 21, 2016

**National Science Foundation - Prediction of and Resilience against Extreme Events (PREEVENTS)**

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504804

PREEVENTS is designed as a successor to Hazards SEES and is one element of the NSF-wide Risk and Resilience activity, which has the overarching goal of improving predictability and risk assessment, and increasing resilience, in order to reduce the impact of extreme events on our life, society, and economy. PREEVENTS will provide an additional mechanism to support research and related activities that will improve our understanding of the fundamental processes underlying natural hazards and extreme events in the geosciences.

PREEVENTS seeks projects that will (1) enhance understanding of the fundamental processes underlying natural hazards and extreme events on various spatial and temporal scales, as well as the variability inherent in such hazards and events, and (2) improve our capability to model and forecast such hazards and events. **All projects requesting PREEVENTS support must be primarily focused on these two targets.**

**Deadlines:**

- Track 1: Full Proposal Window: August 1, 2016 - January 4, 2017; January 5, 2017 - January 4, 2018
- Track 2: Required Letter of Intent: July 29, 2016; Full Proposals: September 19, 2016

**National Institutes of Health - Informatics Methodology and Secondary Analyses for Immunology Data in ImmPort (UH2)**


The goals of this Funding Opportunity Announcement (FOA) are to support the development of new or improved informatics tools and methods for the reuse of shared data in the immunology study repository, ImmPort; and to support secondary analyses of existing immunology datasets to address basic and clinical immunology questions.

**Deadlines:**

- Letter of Intent: 30 days prior to the application due date
- Application: October 4, 2016; October 4, 2017; October 4, 2018

**National Institutes of Health - Bioengineering Research Grants (BRG) (R01)**


The purpose of this funding opportunity announcement 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 to increase our understanding of and solve problems in biological, clinical or translational science.

**Deadlines:** February 5, June 5, October 5

AIDS Deadlines: January 7, May 7, September 7

**Department of Transportation - 2016 Work Zone and Guardrail Safety Training Grants**


The purpose of this program is to award funding to qualified applicants to conduct training nationally for a wide range of workers on the prevention of injuries and fatalities in highway and roadway work zones; develop guidelines on work zone safety, operational issues, and best practices that will assist State and local government transportation agencies and other entities in improving work zone safety; and to provide training based on these guidelines.

**Deadline:** July 5, 2016

**Department of Commerce - Regional Alliances and Multi-stakeholder Partnerships to Stimulate (RAMPS) Cybersecurity Education and Workforce Development**

Through this FFO, NIST intends to advance NICE’s goals by providing assistance to establish Regional Alliances and Multi-stakeholder Partnerships to Stimulate (RAMPS) Cybersecurity Education and Workforce Development. Effective multi-stakeholder workforce partnerships focus on organizing multiple employers with skill shortages in specific occupations to focus on developing the skilled workforce to meet industry needs within the local or regional economy. The specific goals are to align the workforce needs of local business and non-profit organizations with the learning objectives of education and training providers conforming to the NICE Framework, increase the pipeline of students pursuing cybersecurity careers, upskill more Americans to move them into middle class jobs in cybersecurity, and support local economic development to stimulate job growth. Education and training providers will discover the skills needed for business as they actively seek to develop academic pathways to increase the pipeline of students who pursue cybersecurity careers.

**Deadline:** July 12, 2016

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**Medical/Health/Behavioral Sciences**

**National Institutes of Health - Exploratory Studies of Smoking Cessation Interventions for People with Schizophrenia (R21/R33)**


The purpose of this Funding Opportunity Announcement (FOA) is to provide support for grant applications to generate and conduct preliminary tests of novel targeted smoking cessation treatments for individuals with schizophrenia. Smokers with schizophrenia who have co-occurring alcohol and/or substance abuse disorders are also a population of interest. Studies of interventions include, but are not limited to behavioral, pharmacological, physiological, learning- and device-based treatment approaches and targets thereof. This FOA provides support for up to two years (R21 phase) for protocol development and target identification and engagement studies, followed by up to 3 years of support (R33 phase) for exploratory/pilot studies to further evaluate target engagement and its prospective association with clinical benefits, and to evaluate the feasibility of conducting a larger trial.

The above link is for the R21 mechanism – a companion FOA, [PAR-14-231](http://grants.nih.gov/grants/guide/pa-files/PAR-14-231.html), is for R33 Exploratory/Developmental Grants Phase II

**Deadlines:**

Letter of Intent Due Date(s): 30 days before the application due date

Application: August 16, 2016, December 15, 2016, April 17, 2017

**Defense Advanced Research Projects Agency - INTERfering and Co-Evolving Prevention and Therapy (INTERCEPT)**

[https://www.fbo.gov/index?s=opportunity&mode=form&id=109a03c1950a386c6ba8ef3f21...](https://www.fbo.gov/index?s=opportunity&mode=form&id=109a03c1950a386c6ba8ef3f21...)

DARPA is soliciting innovative research proposals to explore and evaluate the potential of a radically different therapeutic and preventative approach to combat and outpace fast-evolving viral pathogens based on viral therapeutic interfering particles (TIPs). The INTERCEPT program aims to explore and evaluate the potential of TIPs as a therapeutic and/or preventive approach for the long term control of a broad range of fast-evolving viruses.

The program will address the key technical challenges and risks of TIP safety, efficacy, longterm co-evolution, and generalizability, by leveraging novel molecular and genetic design tools, high throughput genomic technologies, and advanced computational methods in a multidisciplinary, multi-team effort. Proposers must address one of the following:

- All three Technical Areas;
- Technical Areas 2 and 3; or
- Technical Area 3.

- **Technical Area 1 (TA1): TIP engineering and screening**
- **Technical Area 2 (TA2): Optimization for long-term TIP safety, efficacy, and co-evolution**
- **Technical Area 3 (TA3): Mathematical modeling**

**Deadlines:**

Abstract: May 19, 2016

Proposal: July 7, 2016

**National Institutes of Health - Mechanism for Time-Sensitive Research Opportunities in Environmental Health Sciences (R21)**

This funding opportunity announcement (FOA) is intended to support environmental health research in which an unpredictable event provides a limited window of opportunity to collect human biological samples or environmental exposure data. The primary motivation of the FOA is to understand the consequences of natural and man-made disasters or emerging environmental public health threats in the U.S. and abroad. A distinguishing feature of an appropriate study is the need for rapid review and funding (substantially shorter than the typical NIH grant review/award cycle) in order for the research question to be addressed and swiftly implemented. The shortened timeframe will be achieved by more frequent application due dates and expediting peer review, council concurrence and award issuance.

**Deadlines:**
Letter of Intent: 30 days before the application due date

**Migraine Research Foundation Invites Proposals for Research Projects**
[https://migraineresearchfoundation.org/for-researchers/rfp-and-grant-application/](https://migraineresearchfoundation.org/for-researchers/rfp-and-grant-application/)
The Migraine Research Foundation is committed to furthering the understanding of the causes and mechanisms of migraine, helping to develop improvements in treatment, and finding a cure. MRF provides one-year seed grants of up to $50,000 for important, achievable, and innovative research projects with the potential to lead to better treatment and quality of life for migraine sufferers. While the foundation welcomes all proposals relevant to basic or clinical migraine research, priority will be given to translational projects and those related to migraine variants, childhood migraine, and chronic migraine. All grants must be used exclusively for research and research equipment, not capital expenditures, administrative costs, publication costs, or travel costs.

**Deadline:** July 29, 2016

**National Science Foundation - Computational and Data-Enabled Science and Engineering (CDS&E)**
The goal of the CDS&E program is to identify and capitalize on opportunities for major scientific and engineering breakthroughs through new computational and data analysis approaches. The intellectual drivers may be in an individual discipline or they may cut across more than one discipline in various Directorates. The key identifying factor is that the outcome relies on the development, adaptation, and utilization of one or more of the capabilities offered by advancement of both research and infrastructure in computation and data, either through cross-cutting or disciplinary programs. The CDS&E program welcomes proposals in any area of research supported through the participating divisions that address at least one of the following criteria:

- Promote the creation, development, and application of the next generation of mathematical, computational and statistical theories and tools that are essential for addressing the challenges presented to the scientific and engineering communities by the ever-expanding role of computational modeling and simulation and the explosion and production of digital experimental and observational data.
- Promote and encourage integrated research projects that create, develop and apply novel computational, mathematical and statistical methods, algorithms, software, data curation, analysis, visualization and mining tools to address major, heretofore intractable questions in core science and engineering disciplines, including large-scale simulations and analysis of large and heterogeneous collections of data.
- Encourage adventurous ideas that generate new paradigms and that create and apply novel techniques, generating and utilizing digital data in innovative ways to complement or dramatically enhance traditional computational, experimental, observational, and theoretical tools for scientific discovery and application.
- Encourage ideas at the interface between scientific frameworks, computing capability, measurements and physical systems that enable advances well beyond the expected natural progression of individual activities, including development of science-driven algorithms to address pivotal problems in science and engineering and efficient methods to access, mine, and utilize large data sets.

Supplement requests to existing awards within a program that address one of the points above will also be considered.
**Deadlines:**

**October 31, 2016:** Division of Materials Research  
**September 30, 2016:** Division of Chemistry - Chemical Theory, Models and Computational Methods  
**September 15, 2016:** Directorate for Engineering's Division of Civil, Mechanical and Manufacturing Innovation  
**November 15, 2016:** Division of Astronomical Sciences - Astronomy and Astrophysics Research Grants  
**October 31, 2016:** Division of Advanced Cyberinfrastructure  
**October 31, 2016:** Division of Chemistry - Chemical Measurement and Imaging  
**October 31, 2016:** Directorate for Engineering’s Division of Chemical, Bioengineering, Environmental, and Transport Systems and Division of Electrical, Communications and Cyber Systems  
**November 1, 2016:** Division of Astronomical Sciences - Advanced Technologies and Instrumentation  
**December 9, 2016:** Division of Mathematical Sciences  
**December 1, 2016:** Division of Physics  

**National Institutes of Health - Informatics Methodology and Secondary Analyses for Immunology Data in ImmPort (UH2)**  
The goals of this Funding Opportunity Announcement (FOA) are to support the development of new or improved informatics tools and methods for the reuse of shared data in the immunology study repository, ImmPort; and to support secondary analyses of existing immunology datasets to address basic and clinical immunology questions.  
**Deadlines:**  
Letter of Intent: 30 days prior to the application due date  
Application: **October 4, 2016; October 4, 2017; October 4, 2018**  

**National Institutes of Health - Bioengineering Research Grants (BRG) (R01)**  
The purpose of this funding opportunity announcement 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 to increase our understanding of and solve problems in biological, clinical or translational science.  
**Deadlines:**  
**February 5, June 5, October 5**  
AIDS Deadlines: **January 7, May 7, September 7**  

**National Institutes of Health - Accelerating the Pace of Drug Abuse Research Using Existing Data (R01)**  
The purpose of this Funding Opportunity Announcement (FOA) is to invite applications proposing the innovative analysis of existing social science, behavioral, administrative, and neuroimaging data to study the etiology and epidemiology of drug using behaviors (defined as alcohol, tobacco, prescription and other drug) and related disorders, prevention of drug use and HIV, and health service utilization.  
**Deadlines:**  
**February 5, June 5, October 5**  
AIDS Deadlines: **January 7, May 7, September 7**  

**Robert Wood Johnson Foundation - Healthy Eating Research: Building Evidence to Prevent Childhood Obesity—Round 10**  
*Healthy Eating Research: Building Evidence to Prevent Childhood Obesity* is a Robert Wood Johnson Foundation (RWJF) national program. The program supports research on environmental and policy strategies with strong potential to promote healthy eating among children to prevent childhood obesity, especially among groups at highest risk for obesity: black, Latino, American Indian, Asian/Pacific Islander, and children who live in lower-income communities (urban, suburban, and/or rural). Findings are expected to advance RWJF’s efforts to help all children achieve a healthy weight, promote health equity, and build a Culture of Health.  
**Deadline for Concept Papers:** **August 3, 2016**