

Funding Opportunity Announcements 11.2.16

Campus wide

[National Science Foundation \(NSF\): Smart and Connected Communities \(S&CC\)](#)

POSTED: Updated October 31, 2016

DEADLINE: Preliminary proposal (required) due November 30, 2016; full proposal due February 16, 2017

Funding Instrument Type: Grant

The goal of this S&CC solicitation is to support strongly interdisciplinary, integrative research and research capacity-building activities that will improve understanding of smart and connected communities and lead to discoveries that enable sustainable change to enhance community functioning. Successful S&CC projects are expected to pursue research and research capacity-building activities that integrate multiple disciplinary perspectives and undertake meaningful community engagement, and to include appropriate and robust evaluation plans for assessing activities and outcomes. To meet the multidisciplinary criterion, proposals must meaningfully integrate across both social and technological research dimensions. Proposals may also pursue integration with other disciplines as needed. Successful proposals are also expected to include appropriate community engagement.

[U.S. Dept. of Education Announces EdSim Challenge](#)

POSTED: November 2, 2016

DEADLINE: First round Challenge submission due January 17, 2017

Funding Instrument Type: Grant

The EdSim Challenge (Challenge) is a prize competition which calls upon the virtual reality, video game developer, and educational technology communities to design next-generation computer-generated simulations for career and technical education (CTE) that prepare students for the globally competitive workforce of the 21st century. The Challenge seeks designs that lead to the acquisition of academic, technical, and employability skills through engaging simulated experiences in the hybrid reality continuum. For the purpose of this notice, “hybrid reality continuum” refers to the range of computer-generated simulations that extend from completely simulated environments to environments that incorporate aspects of the real world. For the purpose of this Challenge, “EdSim” is broadly defined as computer-generated three-dimensional learning environments, including virtual, augmented, and mixed realities that draw upon or mimic real-world experiences and are designed to educate users. The purpose of this Challenge is to stimulate the marketplace for computer-generated virtual and augmented reality educational experiences that combine existing and future technologies with skill-building content and embedded assessment.

[National Education Association Foundation Invites Applications for Learning and Leadership Grants](#)

POSTED: October 25, 2016

DEADLINE: February 1, 2017

Funding Instrument Type: Grant

The National Education Association (NEA) Foundation invites applications for its Learning and Leadership Grants program, which provides support to public school teachers, public education support professionals, and/or faculty and staff in public institutions of higher education through grants to individuals to fund their participation in high-quality professional development experiences such as summer institutes or action research; or grants to groups to fund collegial study, including study groups, action research, lesson study, or mentoring experiences for faculty or staff new to an assignment. The grant amount is \$2,000 for individuals and \$5,000 for groups engaged in collegial study. All \$5,000 group grant applicants must include partner information.

[Dept. of Defense, Office of Naval Research \(ONR\): FY17 Funding Opportunity Announcement for Navy and Marine Corps Science, Technology, Engineering & Mathematics Education, Outreach and Workforce Program](#)

POSTED: October 31, 2016

DEADLINE: December 31, 2017

Funding Instrument Type: Grant

ONR seeks a broad range of proposals for augmenting existing or developing innovative solutions that directly maintain, or cultivate a diverse, world-class STEM workforce in order to maintain the U.S. Navy and Marine Corps' technological superiority. The goal of any proposed effort must provide solutions that will establish and maintain pathways of diverse U.S. citizens who are interested in uniformed or civilian DoN (or Navy and Marine Corps) STEM workforce opportunities. As the capacity of the DoN Science and Technology (S&T) workforce is interconnected with the basic research enterprise and STEM education system, ONR recognizes the necessity to support efforts that can jointly improve STEM student outcomes and align with Naval S&T current and future workforce needs. This announcement explicitly encourages projects that improve the capacity of education systems and communities to create impactful STEM educational experiences for students including active learning approaches and incorporating 21st century skills. Projects must aim to increase student engagement in STEM and persistence of students in STEM degrees, while improving student technical capacity. ONR encourages proposals to utilize current STEM educational research for informing project design and advancing our understanding of how and why students choose STEM careers and opportunities of naval relevance.

Humanities

[National Endowment for the Humanities \(NEH\): National Digital Newspaper Program](#)

POSTED: October 31, 2016

DEADLINE: January 12, 2017

Funding Instrument Type: Cooperative Agreement

The National Digital Newspaper Program (NDNP) is a partnership between NEH and the Library of Congress to create a national digital resource of historically significant newspapers published between 1690 and 1963, from all the states and U.S. territories. This searchable database will be permanently maintained at the Library of Congress (LC) and will be freely accessible via the Internet. Awards are made to an organization within each U.S. state or territory, which typically collaborates with relevant state

partners in this effort. After their initial NDNP awards, state partners are encouraged to seek second and third awards, to produce a total of approximately 300,000 pages of digitized newspapers per state. Awardees may receive support for continued work beyond the third award, but the program gives priority to applications from those states and territories that have not received NDNP funding—as well as applications from states and territories that have received fewer than three awards. Applications that involve collaboration between previously funded and new projects are also welcome.

[National Endowment for the Arts \(NEA\): 2017-2018 NEA Big Read Grants](#)

POSTED: October 13, 2016

DEADLINE: January 26, 2017

Funding Instrument Type: Grant

An initiative of NEA in partnership with Arts Midwest, NEA Big Read broadens our understanding of our world, our communities, and ourselves through the joy of sharing a good book. Showcasing a diverse range of contemporary books that reflect many different voices and perspectives, the NEA Big Read aims to inspire conversation and discovery by annually supporting approximately 75 dynamic community reading programs, each designed around a single NEA Big Read selection. Organizations selected to participate in NEA Big Read receive a grant, access to online training resources and opportunities, digital resources, and promotional materials designed to support widespread community involvement. The programs last approximately one month and include a kick-off event; major events devoted specifically to the book (e.g., panel discussions and author reading); events using the book as a point of departure (e.g., film screenings and theatrical readings); and book discussions in diverse locations involving a wide range of audiences. **Organizations may apply for one grant per program year.** Funds may be used for such expenses as book purchases, speaker fees and travel, salaries, promotion, and venue rental.

[South Arts Invites Applications for Literary Arts Touring Program](#)

POSTED: October 24, 2016

DEADLINE: May 1, 2017

Funding Instrument Type: Grant

South Arts is accepting applications from organizations that invite writers of fiction, creative nonfiction, and poetry from out of state to give readings and conduct educational workshops or similar events. Through its Literary Arts Touring, South Arts will award grants of up to \$2,500 for literary projects that contain both a public reading and an educational component such as a writing workshop. The project can include single or multiple writers involved in an event (writers series, festivals, or single engagements). The maximum grant request is 50 percent of the writers' fee(s).

Social Sciences

[Dept. of State: Student Leaders Program](#)

POSTED: October 27, 2016

DEADLINE: December 9, 2016

Funding Instrument Type: Cooperative Agreement

The Bureau of Near Eastern Affairs Office of Assistance Coordination (NEA/AC) announces a Notice of Funding Opportunity (NOFO) requesting support for a rigorous program of continuous learning to develop leadership skills and expand the understanding of civil society for a cadre of students seeking to be future leaders in the Middle East and North Africa (MENA). As a result of this program Student Leaders will be equipped to facilitate civic engagement and reform in their own communities and across the region. The Student Leaders Program will be implemented by a single prime implementer starting in 2017. The principal objective of the Student Leaders Program is to develop the participants' leadership and collective problem-solving skills through a six to eight week academic residency and field study program. Students include a multinational group of exemplary undergraduate and graduate students from the Middle East and North Africa (approximately 100-120 students).

[Dept. of State, International Narcotics and Law Enforcement Affairs \(INL\): Liberia Police Accountability Project](#)

POSTED: October 27, 2016

DEADLINE: December 31, 2016

Funding Instrument Type: Cooperative Agreement

In an effort to combat the high levels of corruption and lack of accountability among the Liberian National Police (LNP), INL seeks to partner with the LNP to implement a project to strengthen police accountability. This project would create access for the public to provide information on when and where they felt victimized by the police, a tracking mechanism to ensure all cases were examined and a means for communicating the results to the complainant. Throughout the project lifespan, basic means of communication such as radio and print advertisements should alert the public to the ability to seek redress. The project should also aid the LNP's Professional Standards Division (PSD) in the strengthening of its ability to track and resolve all cases, including a means whereby the final resolution is conveyed to the complainant and general trends are conveyed to the public.

[American Orthopaedic Society for Sports Medicine \(AOSSM\) Accepting Applications for Osteoarthritis \(OA\) Studies](#)

POSTED: October 25, 2016

DEADLINE: January 1, 2017

Funding Instrument Type: Cooperative Agreement

AOSSM is accepting applications for its AOSSM/Sanofi Osteoarthritis (OA) Grant program, which reflects the growing recognition of the importance of osteoarthritis within sports medicine and orthopaedics. A single grant of \$50,000 will be awarded for a clinical research study or lab/basic project related to early osteoarthritis and/or prevention of OA progression. Proposed studies need not relate specifically to sports injuries and should also have broad applicability to OA in the general population. Projects involving viscosupplementation will not be considered. To be eligible, applicants must be a member of AOSSM who has completed his or her training.

[National Institutes of Health \(NIH\): Multimorbidity in Alzheimers Disease Impacts Choice of Ancillary Treatments \(R21/R33\)](#)

POSTED: October 27, 2016

DEADLINE: January 12, 2017

Funding Instrument Type: Grant

This Funding Opportunity Announcement (FOA) invites applications proposing to conduct research into improving the effectiveness of treatment strategies for comorbid conditions that occur frequently in combination with Alzheimers disease and related dementia (ADRD). Studies may be observational treatment studies or pragmatic clinical trials. This FOA will support pilot research to test the feasibility of interventions (R21 phase) that, if successful, can transition to an R33 phase for implementation of pragmatic trials. The transition from the R21 to the R33 phase of the award will be administratively reviewed and determined by successful completion of the criteria that are specified in the R21 phase.

[National Institutes of Health \(NIH\): National Institute of Child Health and Human Development \(NICHD\) Consortium for Research on Pediatric Trauma and Injury Prevention \(R24\)](#)

POSTED: November 1, 2016

DEADLINE: The next cycle's deadline is January 25, 2017.

Funding Instrument Type: Grant

The purpose of this funding opportunity announcement (FOA) is to encourage multidisciplinary collaborations to target gaps in research on pediatric trauma and injury prevention. The team science approach encouraged by this FOA could be used to generate a research resource, which may include discovery-based or hypothesis-generative approaches, to advance the relevant area of biomedical research or to devise breakthrough ideas, concepts and approaches to therapies in pediatric trauma and injury prevention research. A priority of the NICHD Pediatric Trauma and Critical Illness Branch is to advance the science related to pediatric trauma and injury research and to support research that generates new knowledge, research resources, and discoveries that promote the prevention of childhood injuries as well as effective treatment, management and rehabilitation. The R24 mechanism is being used to create a consortium of collaborative research teams to address the aforementioned priorities. Teams funded through this initiative will comprise the NICHD Consortium.

[National Institutes of Health \(NIH\): Clarifying the Relationship between Delirium and Alzheimers Disease and Related Dementias \(R01\)](#)

POSTED: October 27, 2016

DEADLINE: The next cycle's deadline is February 5, 2017.

Funding Instrument Type: Grant

This Funding Opportunity Announcement (FOA) invites applications that focus on clarifying the relationship between delirium and Alzheimer's disease and related dementias (ADRD). Specifically sought is research focusing on understanding why persons with ADRD are at increased risk to develop delirium, often with a worse prognosis compared to those without antecedent ADRD, and why patients who

experience delirium are at higher risk to develop subsequent short- and/or long-term mild cognitive impairment or ADRD, often with an accelerated rate of cognitive decline compared to those without preceding delirium. Research supported by this FOA is intended to provide mechanistic insight to improve risk assessment, diagnosis, phenotyping, prevention, and management approaches for both delirium and ADRD.

[National Institutes of Health \(NIH\): Addressing Health Disparities through Effective Interventions Among Immigrant Populations \(R01\)](#)

POSTED: November 1, 2016

DEADLINE: The next cycle's deadline is February 5, 2017.

Funding Instrument Type: Grant

The purpose of this Funding Opportunity Announcement (FOA) is to support innovative research to develop and implement effective interventions to address health disparities among U.S. immigrant populations.

[National Institutes of Health \(NIH\): Addressing the Etiology of Health Disparities and Health Advantages Among Immigrant Populations \(R01\)](#)

POSTED: November 1, 2016

DEADLINE: The next cycle's deadline is February 5, 2017.

Funding Instrument Type: Grant

The purpose of this Funding Opportunity Announcement (FOA) is to support innovative research to understand uniquely associated factors (biological, behavioral, sociocultural, and environmental) that contribute to health disparities or health advantages among U.S. immigrant populations.

[National Institutes of Health \(NIH\): Clarifying the Relationship between Delirium and Alzheimers Disease and Related Dementias \(R21/R33\)](#)

POSTED: October 27, 2016

DEADLINE: The next cycle's deadline is February 16, 2017.

Funding Instrument Type: Grant

This Funding Opportunity Announcement (FOA) invites applications that focus on clarifying the relationship between delirium and Alzheimer's disease and related dementias (ADRD). Specifically sought is research focusing on understanding why persons with ADRD are at increased risk to develop delirium, often with a worse prognosis compared to those without antecedent ADRD, and why patients who experience delirium are at higher risk to develop subsequent short- and/or long-term mild cognitive impairment or ADRD, often with an accelerated rate of cognitive decline compared to those without preceding delirium. Research supported by this FOA is intended to provide mechanistic insight to improve risk assessment, diagnosis, phenotyping, prevention, and management approaches for both delirium and ADRD.

[National Institutes of Health \(NIH\): Addressing Health Disparities through Effective Interventions Among Immigrant Populations \(R21\)](#)

POSTED: November 1, 2016

DEADLINE: The next cycle's deadline is February 16, 2017.

Funding Instrument Type: Grant

The purpose of this Funding Opportunity Announcement (FOA) is to support and accelerate innovative exploratory and developmental research to develop and test feasibility of effective interventions to address health disparities among U.S. immigrant populations.

[National Institutes of Health \(NIH\): Addressing the Etiology of Health Disparities and Health Advantages Among Immigrant Populations \(R21\)](#)

POSTED: November 1, 2016

DEADLINE: The next cycle's deadline is February 16, 2017.

Funding Instrument Type: Grant

The purpose of this Funding Opportunity Announcement (FOA) is to support innovative exploratory and developmental research to understand uniquely associated factors (biological, behavioral, sociocultural, and environmental) that contribute to health disparities or health advantages among U.S. immigrant populations.

[ACS Seeks Proposals on Role of Healthcare and Insurance in Improving Outcomes in Cancer Prevention](#)

POSTED: October 23, 2016

DEADLINE: April 1, 2017

Funding Instrument Type: Grant

The American Cancer Society has released a Request for Proposals designed to stimulate research that generates new knowledge of the effects of the United States healthcare system structure and the role of insurance on both access to and outcomes of cancer screening, early detection, and treatment services. Studies investigating how one or more factors affecting access and outcomes interact — including insurance status, costs, capacity, personal characteristics, provider characteristics, components of the healthcare delivery system, and other known factors — are encouraged. Potential areas of investigation include but are not limited to how the structure and capacity of the healthcare system affect appropriate and timely access to cancer screening, early detection, treatment, and palliative care services; the provider and system factors that affect treatment patterns and quality of cancer care within the current healthcare systems; and the exploration of life course patterns of the entire spectrum of cancer care (from prevention and screening through diagnosis, treatment, survivorship, and supportive/palliative care) by linking diverse data sources for broad patient populations.

Natural Sciences

[National Science Foundation \(NSF\): Computational Mathematics](#)

POSTED: Updated November 1, 2016

DEADLINE: Submission window dates are November 16 – December 1, 2016

Funding Instrument Type: Grant

Supports mathematical research in areas of science where computation plays a central and essential role, emphasizing analysis, development and implementation of numerical methods and algorithms, and symbolic methods. The prominence of computation with analysis and ultimate implementation efficiency of the computational methods in the

research is a hallmark of the program. Proposals ranging from single-investigator projects that develop and analyze innovative computational methods to interdisciplinary team projects that not only create and analyze new mathematical and computational techniques but also use/implement them to model, study, and solve important application problems are strongly encouraged.

[Desmoid Tumor Research Foundation Issues RFP to Young Investigators](#)

POSTED: October 27, 2016

DEADLINE: December 1, 2016

Funding Instrument Type: Grant

The Desmoid Tumor Research Foundation is the only foundation in the world dedicated to facilitating and funding research into a cure for desmoid tumors. The foundation funds research that uses cutting-edge science and creative clinical applications, as well as novel approaches that address potential leads based on prior research. As part of this mission, DTRF has issued a Request for Proposal for early-stage research that explores new approaches aimed at advancing the current scientific knowledge about desmoid tumors and the development of new treatment options and, eventually, a cure. One-year grants of up to \$30,000 will be awarded to young investigators who are new to desmoid tumor research and need seed funding to gather preliminary data that enables them to apply for funding to support a more fully developed line of research. Researchers must be willing to collaborate with other scientists and institutions.

[Sidney Kimmel Foundation Invites Applications for Scholars Program](#)

POSTED: October 27, 2016

DEADLINE: December 1, 2016

Funding Instrument Type: Grant

The Sidney Kimmel Foundation's Scholars Program is designed to bridge the funding gap for gifted young cancer researchers at the very outset of their careers. With the pressure to secure resources eased, Kimmel Scholars are emboldened to pursue innovative, imaginative investigations and to establish their models in independent research, a necessity for obtaining government grants and other backing. Since its inception, the program has funded 277 scientists and physicians who have gone on to find more effective treatments, develop broader cancer prevention measures, and cultivate a deeper understanding of the biology of cancer. Each year, the foundation awards grants of \$200,000 to fifteen institutions with the aim of helping promising young researchers launch their first laboratories and build their teams at a point in their development when many of their peers struggle to get started.

[National Science Foundation \(NSF\): Elementary Particle Physics - Theory](#)

POSTED: Updated November 1, 2016

DEADLINE: December 1, 2016

Funding Instrument Type: Grant

The Elementary Particle Theory program encompasses different theoretical tools for understanding the interaction of elementary particles at different energy scales. These include String Theory, Quantum Field Theory, Lattice Field Theory, Effective Field

Theories, and Phenomenology based on the above theoretical tools. Proposals in mathematical physics that are relevant for string theory and/or quantum field theory are also relevant for this program. Supported research includes contributions to broad theoretical advances as well as model building and applications to experimental programs at facilities such as the Relativistic Heavy Ion Collider (RHIC) and Jefferson Laboratory, and to astrophysical phenomena. This includes formulating new approaches for theoretical, computational, and experimental research that explore the fundamental laws of physics and the behavior of physical systems; formulating quantitative hypotheses; exploring and analyzing the implications of such hypotheses analytically and computationally; and interpreting the results of experiments. The effort also includes a considerable number of interdisciplinary grants.

[North Carolina Biotechnology Center \(NCBiotech\): Event and Meeting Grants, 3rd Cycle](#)

POSTED: Ongoing

DEADLINE: December 7, 2016 (12:00 noon), for events held January – March 2016

Funding Instrument Type: Grant

NCBiotech offers two grant programs focused on events and meetings: 1)

[Biotechnology Event Sponsorships \(BES\)](#); and 2) [Biotechnology Meeting Grants \(BMG\)](#).

These popular grants encourage and support the lively life science community in North Carolina and help bring information and networking opportunities on diverse topics to a broad audience across the state. Please note that the BMG program targets national or international meetings.

[National Science Foundation \(NSF\) Issues Dear Colleague Letter: Enabling US-Brazil Collaboration on Cybersecurity Research](#)

POSTED: October 28, 2016

DEADLINE: White papers (submitted to both NSF and RNP/CTIC) due December 16, 2016; non-binding recommendation due January 16, 2017, regarding the novelty of the proposed research and how well the submission fits the priorities of NSF and RNP/CTIC; full proposals due March 16, 2017 for NSF and March 17, 2017 for RNP/CTIC. Projects are expected to start in September 2017.

Funding Instrument Type: Grant

NSF's Directorate for Computer & Information Science & Engineering (CISE) and the Research and Development Center on Digital Technologies for Information and Communication (CTIC) of the Brazilian National Research and Educational Network (RNP), with support from the Brazilian Ministry of Science, Technology, Innovations and Communications (MCTIC), are pleased to announce their intention to support, foster, and accelerate fundamental research in cybersecurity. NSF and RNP/CTIC request joint research proposals submitted separately to both NSF and RNP/CTIC using the proposal submission process specific to each agency. Research topics of special interest to NSF and RNP/CTIC are: (1) security and privacy in networks; (2) the Internet of Things and cyber-physical human systems; and (3) malware detection. These topics that are of considerable mutual interest recognize the emerging threat and new opportunity in an increasingly networked world of people and smart technologies as well

as the urgent need to address the societal challenge of cybersecurity. NSF strongly encourages new collaborations pursuant to this DCL.

[National Institutes of Health \(NIH\): Multimorbidity in Alzheimers Disease Impacts Choice of Ancillary Treatments \(R21/R33\)](#)

POSTED: October 27, 2016

DEADLINE: January 12, 2017

Funding Instrument Type: Grant

This Funding Opportunity Announcement (FOA) invites applications proposing to conduct research into improving the effectiveness of treatment strategies for comorbid conditions that occur frequently in combination with Alzheimers disease and related dementia (ADRD). Studies may be observational treatment studies or pragmatic clinical trials. This FOA will support pilot research to test the feasibility of interventions (R21 phase) that, if successful, can transition to an R33 phase for implementation of pragmatic trials. The transition from the R21 to the R33 phase of the award will be administratively reviewed and determined by successful completion of the criteria that are specified in the R21 phase.

[National Science Foundation \(NSF\): Long Term Research in Environmental Biology \(LTREB\)](#)

POSTED: October 28, 2016

DEADLINE: Preliminary proposal (required) due January 23, 2017; full proposal due August 02, 2017

Funding Instrument Type: Grant

The LTREB Program supports the generation of extended time series of data to address important questions in evolutionary biology, ecology, and ecosystem science. Research areas include, but are not limited to, the effects of natural selection or other evolutionary processes on populations, communities, or ecosystems; the effects of interspecific interactions that vary over time and space; population or community dynamics for organisms that have extended life spans and long turnover times; feedbacks between ecological and evolutionary processes; pools of materials such as nutrients in soils that turn over at intermediate to longer time scales; and external forcing functions such as climatic cycles that operate over long return intervals. The Program intends to support decadal projects. Funding for an initial, 5-year period requires submission of a preliminary proposal and, if invited, submission of a full proposal; proposals for the second five years of support (renewal proposals) do not require a preliminary proposal; continuation of an LTREB project beyond an initial ten year award will require submission of a new preliminary proposal that presents a new decadal research plan.

[National Science Foundation \(NSF\): Division of Environmental Biology \(DEB\) Core Programs](#)

POSTED: October 28, 2016

DEADLINE: Preliminary proposal (required) due January 23, 2017; full proposal due August 02, 2017

Funding Instrument Type: Grant

The Division of Environmental Biology (DEB) supports fundamental research on populations, species, communities, and ecosystems. Scientific emphases range across many evolutionary and ecological patterns and processes at all spatial and temporal scales. Areas of research include biodiversity, phylogenetic systematics, molecular evolution, life history evolution, natural selection, ecology, biogeography, ecosystem structure, function and services, conservation biology, global change, and biogeochemical cycles. Research on organismal origins, functions, relationships, interactions, and evolutionary history may incorporate field, laboratory, or collection-based approaches; observational or manipulative experiments; synthesis activities; as well as theoretical approaches involving analytical, statistical, or computational modeling.

[National Institutes of Health \(NIH\): National Institute of Child Health and Human Development \(NICHD\) Consortium for Research on Pediatric Trauma and Injury Prevention \(R24\)](#)

POSTED: November 1, 2016

DEADLINE: The next cycle's deadline is January 25, 2017.

Funding Instrument Type: Grant

The purpose of this funding opportunity announcement (FOA) is to encourage multidisciplinary collaborations to target gaps in research on pediatric trauma and injury prevention. The team science approach encouraged by this FOA could be used to generate a research resource, which may include discovery-based or hypothesis-generative approaches, to advance the relevant area of biomedical research or to devise breakthrough ideas, concepts and approaches to therapies in pediatric trauma and injury prevention research. A priority of the NICHD Pediatric Trauma and Critical Illness Branch is to advance the science related to pediatric trauma and injury research and to support research that generates new knowledge, research resources, and discoveries that promote the prevention of childhood injuries as well as effective treatment, management and rehabilitation. The R24 mechanism is being used to create a consortium of collaborative research teams to address the aforementioned priorities. Teams funded through this initiative will comprise the NICHD Consortium.

[National Science Foundation \(NSF\) & the US-Israel Binational Science Foundation \(BSF\): United States-Israel Collaboration in Computer Science \(USICCS\)](#)

POSTED: Updated November 1, 2016

DEADLINE: Submission window dates are February 01 – February 15, 2017.

Funding Instrument Type: Grant

USICCS is a joint program of NSF and the United States - Israel Binational Science Foundation (BSF). The program supports research projects that develop new knowledge in the theory of computing; algorithm design and analysis; design, verification, and evaluation of software systems; and revolutionary computing models based on emerging scientific ideas. Through this program, NSF and BSF will jointly support collaborations among US-based researchers and Israel-based researchers. US-based researchers will receive funds from NSF to support travel to Israel to interact

with their Israeli counterparts. Israel-based and US-based researchers will receive funds allowable under the BSF program described at <http://www.bsf.org.il/>.

[National Institutes of Health \(NIH\): Clarifying the Relationship between Delirium and Alzheimers Disease and Related Dementias \(R01\)](#)

POSTED: October 27, 2016

DEADLINE: The next cycle's deadline is February 5, 2017.

Funding Instrument Type: Grant

This Funding Opportunity Announcement (FOA) invites applications that focus on clarifying the relationship between delirium and Alzheimer's disease and related dementias (ADRD). Specifically sought is research focusing on understanding why persons with ADRD are at increased risk to develop delirium, often with a worse prognosis compared to those without antecedent ADRD, and why patients who experience delirium are at higher risk to develop subsequent short- and/or long-term mild cognitive impairment or ADRD, often with an accelerated rate of cognitive decline compared to those without preceding delirium. Research supported by this FOA is intended to provide mechanistic insight to improve risk assessment, diagnosis, phenotyping, prevention, and management approaches for both delirium and ADRD.

[National Institutes of Health \(NIH\): Focused Technology Research and Development \(R01\)](#)

POSTED: November 1, 2016

DEADLINE: The next cycle's deadline is February 5, 2017.

Funding Instrument Type: Grant

This initiative will support projects that focus solely on development of technologies with the potential to enable biomedical research. Projects should be justified in terms of potential biomedical impact, but should not include any application to specific biomedical research questions.

[National Institutes of Health \(NIH\): Addressing the Etiology of Health Disparities and Health Advantages Among Immigrant Populations \(R01\)](#)

POSTED: November 1, 2016

DEADLINE: The next cycle's deadline is February 5, 2017.

Funding Instrument Type: Grant

The purpose of this Funding Opportunity Announcement (FOA) is to support innovative research to understand uniquely associated factors (biological, behavioral, sociocultural, and environmental) that contribute to health disparities or health advantages among U.S. immigrant populations.

[National Science Foundation \(NSF\): EarthScope](#)

POSTED: October 28, 2016

DEADLINE: February 10, 2017

Funding Instrument Type: Grant or Cooperative Agreement

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 primarily encourages submission of proposals that integrate and synthesize major outcomes of EarthScope research and education and outreach efforts with the goal of elucidating and documenting the advances the EarthScope program has made since its inception.

[National Institutes of Health \(NIH\): Clarifying the Relationship between Delirium and Alzheimers Disease and Related Dementias \(R21/R33\)](#)

POSTED: October 27, 2016

DEADLINE: The next cycle's deadline is February 16, 2017.

Funding Instrument Type: Grant

This Funding Opportunity Announcement (FOA) invites applications that focus on clarifying the relationship between delirium and Alzheimer's disease and related dementias (ADRD). Specifically sought is research focusing on understanding why persons with ADRD are at increased risk to develop delirium, often with a worse prognosis compared to those without antecedent ADRD, and why patients who experience delirium are at higher risk to develop subsequent short- and/or long-term mild cognitive impairment or ADRD, often with an accelerated rate of cognitive decline compared to those without preceding delirium. Research supported by this FOA is intended to provide mechanistic insight to improve risk assessment, diagnosis, phenotyping, prevention, and management approaches for both delirium and ADRD.

[National Institutes of Health \(NIH\): Comparative Biology of Neurodegeneration \(R21\)](#)

POSTED: October 27, 2016

DEADLINE: The next cycle's deadline is February 16, 2017.

Funding Instrument Type: Grant

This Funding Opportunity Announcement (FOA) invites exploratory comparative biology research projects assessing how different animal species respond to challenges and damage to cellular physiology pathways that might influence the onset of Alzheimer's and other neurodegenerative diseases as well as resilience to them, such as adaptation to stress, macromolecular damage, proteostasis and stem cell function and regeneration.

[National Institutes of Health \(NIH\): Addressing the Etiology of Health Disparities and Health Advantages Among Immigrant Populations \(R21\)](#)

POSTED: November 1, 2016

DEADLINE: The next cycle's deadline is February 16, 2017.

Funding Instrument Type: Grant

The purpose of this Funding Opportunity Announcement (FOA) is to support innovative exploratory and developmental research to understand uniquely associated factors

(biological, behavioral, sociocultural, and environmental) that contribute to health disparities or health advantages among U.S. immigrant populations.

[Naitonal Institutes of Health \(NIH\): Exploratory Research for Technology Development \(R21\)](#)

POSTED: November 1, 2016

DEADLINE: The next cycle's deadline is February 16, 2017.

Funding Instrument Type: Grant

This initiative will support exploratory research leading to the development of innovative technologies for biomedical research. The program will recognize and reward high risk approaches with potential for significant impact. Projects will entail a high degree of risk or novelty, which will be offset by a correspondingly high potential impact. However, the possible impact is likely to be far off. Application of the proposed technology to specific biomedical questions is considered beyond the scope of the program, and should not be included. Preliminary data demonstrating feasibility of the proposed approach indicates that the project is beyond the scope of this program and therefore unsuitable for this funding opportunity.

[National Science Foundation \(NSF\): Algorithms for Threat Detection \(ATD\)](#)

POSTED: October 26, 2016

DEADLINE: February 21, 2017

Funding Instrument Type: Grant

The Algorithms for Threat Detection (ATD) program will support research projects to develop the next generation of mathematical and statistical algorithms for analysis of large spatiotemporal datasets with application to quantitative models of human dynamics. The program is a partnership between the Division of Mathematical Sciences (DMS) at the National Science Foundation (NSF) and the National Geospatial Intelligence Agency (NGA).

[National Science Foundation \(NSF\): Professional Formation of Engineers \(PFE\): Research Initiation in Engineering Formation \(PFE: RIEF\)](#)

POSTED: Updated October 31, 2016

DEADLINE: February 23, 2017

Funding Instrument Type: Grant

The NSF Engineering (ENG) Directorate has launched a multi-year initiative, the Professional Formation of Engineers, to create and support an innovative and inclusive engineering profession for the 21st Century. Professional Formation of Engineers (PFE) refers to the formal and informal education and value systems by which people become engineers. It also includes the ethical responsibility of practicing engineers to sustain and grow the profession. The engineering profession must be responsive to national priorities, grand challenges, and dynamic workforce needs; it must be equally open and accessible to all. Engineering faculty possess both deep technical expertise in their engineering discipline and the primary responsibility for the process of professional formation of future engineers. As such, engineering faculty are in a unique position to help address critical challenges in engineering formation. The Professional Formation of

Engineers: Research Initiation in Engineering Formation (PFE: RIEF) program enables engineering faculty who are renowned for teaching, mentoring, or leading educational reform efforts on their campus to develop expertise in conducting engineering education research.