

Funding Opportunity Announcements 11.9.16

Campus wide

[US-Russia Social Expertise Exchange Invites Applications](#)

POSTED: November 2, 2016

DEADLINE: November 28, 2016

Funding Instrument Type: Grant

The US-Russia Social Expertise Exchange (SEE), a program of the Eurasia Foundation, is a diverse network of professionals and entrepreneurs from Russia and the United States engaged in a meaningful exchange of ideas and best practices with the potential to lead to joint action and positive change in the social dimensions of both countries. To advance this mission, SEE is accepting applications for its Independent Professionals Project Initiative, through which grants of up to \$2,500 will be awarded in support independent social initiatives that seek to establish or strengthen collaboration between Russians and Americans across SEE's socially-oriented thematic areas (such as social support and protection of citizens; youth development, extracurricular activities, and alternative education; public health and the promotion of healthy lifestyles; preservation of national identities, cultures, languages, and tradition of indigenous peoples; and the promotion of economic and labor mobility among others). Individuals selected to participate in the program will collaborate with experts in their field during their travel to Russia for a period of one to two weeks between March and mid-April 2017. Projects must produce specific and measurable benefit to both societies.

[Dept. of State, U.S. Mission to the United Kingdom: WWI Centenary Exchange: U.S. Veteran Affairs](#)

POSTED: November 2, 2006

DEADLINE: December 15, 2016

Funding Instrument Type: Grant

In commemoration of the centenary of the United States joining World War I (WWI), the Embassy of the United States to the United Kingdom invites eligible organizations to submit proposals to develop and implement an exchange program to the United States for up to 10 British program participants. This exchange will provide UK veterans, armed forces charities and policy-makers with an opportunity to examine the role of U.S. federal, state, and local governments, as well as non-profit organizations in assisting veterans and their families. Exchange participants will explore Veterans' Affairs issues such as recuperation, employment, charitable and state support, political involvement of veterans, leadership development programs and also compare U.S. veterans' experiences with those in the UK. Subject to availability of funds, the Embassy expects to select one program implementer for a grant award from \$50,000 up to \$75,000.

[Dept. of State, U.S. Mission to the United Kingdom: Exploring American Values](#)

POSTED: November 4, 2006

DEADLINE: December 15, 2016

Funding Instrument Type: Grant

The Embassy of the United States in London invites eligible organizations to submit proposals to develop and implement a twelve-day group exchange program to the United States for up to 10 program participants representing social media journalists and bloggers from England, Northern Ireland, Scotland and Wales. Subject to availability of funds, the Embassy expects to select one program implementer for a grant award from \$50,000 up to \$75,000.

Humanities

[Dept. of State, Bureau of Educational and Cultural Affairs: FY 2017 Study of the U.S. Institutes for Scholars](#)

POSTED: November 7, 2016

DEADLINE: January 6, 2017

Funding Instrument Type: Cooperative Agreement

The Study of the U.S. Branch, Office of Academic Exchange Programs, Bureau of Educational and Cultural Affairs (ECA), invites proposal submissions from accredited U.S. post-secondary education institutions and U.S. public and private non-profit organizations, or consortia of organizations, for the design and implementation of three (3) different Study of the U.S. Institutes for Scholars, each to take place over the course of six weeks beginning in June 2017, pending the availability of FY2017 funds.

Social Sciences

[National Science Foundation \(NSF\): Discovery Research PreK-12 \(DRK-12\)](#)

POSTED: Updated November 7, 2016

DEADLINE: December 5, 2016

Funding Instrument Type: Grant

The 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. Projects in the DRK-12 program build on fundamental research in STEM education and prior research and development efforts that provide theoretical and empirical justification for proposed projects. Projects should result in research-informed and field-tested outcomes and products that inform teaching and learning. Teachers and students who participate in DRK-12 studies are expected to enhance their understanding and use of STEM content, practices and skills. DRK-12 invites proposals that address immediate challenges that are facing preK-12 STEM education as well as those that anticipate radically different structures and functions of preK 12 teaching and learning.

[National Science Foundation \(NSF\): Smart and Connected Health \(SCH\)](#)

POSTED: Updated November 8, 2016

DEADLINE: December 8, 2016

Funding Instrument Type: Grant or Cooperative Agreement

The purpose of this interagency program solicitation is the development of next generation health and healthcare research through high-risk, high-reward advances in the understanding of and applications in information science, technology, behavior,

cognition, sensors, robotics, bioimaging, and engineering. Collaboration between academic, industry, non-profit and other organizations is strongly encouraged to establish better linkages between fundamental science, clinical practice and technology development, deployment and use. This solicitation is aligned with the visions (e.g., PCAST, NRC, IOM) calling for major changes in health and wellbeing as well as healthcare delivery and is aimed at the fundamental research to enable the change. Realizing the promise of disruptive transformation in health and healthcare will require well-coordinated, multi-disciplinary approaches that draw from the social, behavioral, and economic sciences, engineering, medicine, biology, and computer and information sciences.

[Dept. of State, Bureau of Democracy, Human Rights and Labor \(DRL\): DRL FY 16/17 Promoting Inclusive Citizen Engagement in Morocco](#)

POSTED: November 3, 2016

DEADLINE: January 6, 2017

Funding Instrument Type: Grant

The U.S. Department of State Bureau of Democracy, Human Rights and Labor (DRL) announces an open competition for organizations interested in submitting applications for projects that promote inclusive citizen engagement, mutual respect, and nondiscrimination in Morocco. Morocco has served as a leader in the region in promoting interreligious discourse and ensuring the protection of religious freedom. Programs should seek to build on these efforts and support the implementation of the freedom of thought and practice of one's religious affairs as enshrined in the Moroccan constitution. DRL seeks to support programs that promote tolerance, mutual respect and nondiscrimination in Morocco by strengthening interfaith collaboration and civic engagement in national and local-level decision-making processes in Morocco.

[Dept. of State, Bureau of Educational and Cultural Affairs: FY 2017 Study of the U.S. Institutes for Scholars](#)

POSTED: November 7, 2016

DEADLINE: January 6, 2017

Funding Instrument Type: Cooperative Agreement

The Study of the U.S. Branch, Office of Academic Exchange Programs, Bureau of Educational and Cultural Affairs (ECA), invites proposal submissions from accredited U.S. post-secondary education institutions and U.S. public and private non-profit organizations, or consortia of organizations, for the design and implementation of three (3) different Study of the U.S. Institutes for Scholars, each to take place over the course of six weeks beginning in June 2017, pending the availability of FY2017 funds.

[National Science Foundation \(NSF\): Integrative Strategies for Understanding Neural and Cognitive Systems \(NSF-NCS\) INTEGRATIVE FOUNDATIONS](#)

POSTED: Updated November 8, 2016

DEADLINE: Letters of Intent (required) due January 9, 2017; full proposals due February 6, 2017

Funding Instrument Type: Grant

The complexities of brain and behavior pose fundamental questions in many areas of science and engineering, drawing intense interest across a broad spectrum of disciplinary perspectives while eluding explanation by any one of them. Rapid advances within and across disciplines are leading to an increasingly interconnected fabric of theories, models, empirical methods and findings, and educational approaches, opening new opportunities to understand complex aspects of neural and cognitive systems through integrative multidisciplinary approaches. This program calls for innovative, integrative, boundary-crossing proposals that can best capture those opportunities. NSF seeks proposals that are bold, risky, and transcend the perspectives and approaches typical of single-discipline research efforts. This program is open to proposals to advance the foundations of one or more of the following integrative research themes, described within the solicitation: 1) Neuroengineering and Brain-Inspired Concepts and Designs; 2) Individuality and Variation; 3) Cognitive and Neural Processes in Realistic, Complex Environments; and 4) Data-Intensive Neuroscience and Cognitive Science.

[National Institutes of Health \(NIH\): Selective Cell and Network Vulnerability in Aging and Alzheimers Disease \(R01\)](#)

POSTED: November 3, 2016

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

Funding Instrument Type: Grant

The goal of this Funding Opportunity Announcement (FOA) is to define and characterize neural cell populations, neural circuits, and brain networks and regions that are vulnerable to brain aging and Alzheimers disease (AD). Understanding mechanisms underlying selective vulnerability from cells to networks in AD is critical to fully define the disease process and to develop effective therapies.

[National Institutes of Health \(NIH\): Research Career Enhancement Award to Advance Therapy Development for Alzheimer's \(K18\)](#)

POSTED: November 7, 2016

DEADLINE: The next funding cycle's deadline is February 12, 2017.

Funding Instrument Type: Grant

This NIA Research Career Enhancement Award (K18) program invites applications from qualified researchers to acquire training and career development experiences that close expertise gaps in data science and in drug discovery. The goal of the program is to allow Alzheimer's Disease (AD) researchers to expand their expertise to become more effective in leading cross-disciplinary, translational, team-science projects in AD or AD-related dementias (ADRD). This award will also allow data scientists to redirect their expertise toward the study of AD and ADRD.

[National Institutes of Health \(NIH\): Interdisciplinary Research to Understand the Complex Biology of Resilience to Alzheimers Disease Risk \(R01\)](#)

POSTED: November 4, 2016

DEADLINE: February 21, 2017

Funding Instrument Type: Grant

This funding opportunity announcement invites comprehensive, cross-disciplinary studies aimed at building predictive molecular models of cognitive resilience based on high-dimensional molecular data collected in individuals who remain free of dementia despite being at high risk for Alzheimers disease.

[American Psychological Foundation Accepting Applications for Early Career Grants](#)

POSTED: November 1, 2016

DEADLINE: June 15, 2017

Funding Instrument Type: Grant

The American Psychological Foundation, the philanthropic arm of the American Psychological Association, is accepting applications for the David Wechsler Early Career Grant for Innovative Work in Cognition. Through the annual program, a single grant of up to \$25,000 will be awarded to an early-career psychologist pursuing innovative work in neuropsychology, intelligence, and/or the assessment aspects of cognition. Those who work on positive applied neuropsychology are encouraged to apply. To be eligible, psychologists must hold an Ed.D., Psy.D., or Ph.D. from an accredited university and be no more than seven years postdoctoral.

Natural Sciences

[Myocarditis Foundation Accepting Applications for Research Grants](#)

POSTED: November 2, 2016

DEADLINE: December 1, 2016

Funding Instrument Type: Grant

The Myocarditis Foundation is dedicated to providing accurate and up-to-date information to medical professionals, patients, and patients' families, and to the scientific advancement of both the diagnosis and treatment of myocarditis, with the goal of saving more lives. Through the Research Grants program, one-year grants of up to \$40,000 will be awarded for innovative basic, clinical, or translational research relevant to the cause or treatment of myocarditis. The program is designed to provide seed funding to investigators for the testing of initial hypotheses and the collection of preliminary data that can be used to help secure long-term funding from the National Institute of Health and other major granting institutions. Funding can be applied to salary only. To be eligible, applicants must be no later than ten years post the receipt of an M.D., Ph.D., or an equivalent degree and select a preceptor with a proven track record of research in myocarditis, who is expected to assist in preparing the application.

[National Science Foundation \(NSF\): Discovery Research PreK-12 \(DRK-12\)](#)

POSTED: Updated November 7, 2016

DEADLINE: December 5, 2016

Funding Instrument Type: Grant

The 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. Projects in the DRK-12 program build on fundamental research in STEM education and prior research and development efforts that provide theoretical and empirical

justification for proposed projects. Projects should result in research-informed and field-tested outcomes and products that inform teaching and learning. Teachers and students who participate in DRK-12 studies are expected to enhance their understanding and use of STEM content, practices and skills. DRK-12 invites proposals that address immediate challenges that are facing preK-12 STEM education as well as those that anticipate radically different structures and functions of preK 12 teaching and learning.

[National Science Foundation \(NSF\): Smart and Connected Health \(SCH\)](#)

POSTED: Updated November 8, 2016

DEADLINE: December 8, 2016

Funding Instrument Type: Grant or Cooperative Agreement

The purpose of this interagency program solicitation is the development of next generation health and healthcare research through high-risk, high-reward advances in the understanding of and applications in information science, technology, behavior, cognition, sensors, robotics, bioimaging, and engineering. Collaboration between academic, industry, non-profit and other organizations is strongly encouraged to establish better linkages between fundamental science, clinical practice and technology development, deployment and use. This solicitation is aligned with the visions (e.g., PCAST, NRC, IOM) calling for major changes in health and wellbeing as well as healthcare delivery and is aimed at the fundamental research to enable the change. Realizing the promise of disruptive transformation in health and healthcare will require well-coordinated, multi-disciplinary approaches that draw from the social, behavioral, and economic sciences, engineering, medicine, biology, and computer and information sciences.

[National Science Foundation \(NSF\): Geophysics \(PH\)](#)

POSTED: Updated November 9, 2016

DEADLINE: December 9, 2016

Funding Instrument Type: Grant

The Geophysics Program supports basic research in the physics of the solid earth to explore its composition, structure, and processes from the Earth's surface to its' deepest interior. Laboratory, field, theoretical, and computational studies are supported. Topics include (but are not limited to) seismicity, seismic wave propagation, and the nature and occurrence of geophysical hazards; 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 theoretical and experimental studies of the properties and behavior of Earth materials.

[National Science Foundation \(NSFF\): Improvements in Facilities, Communications, and Equipment at Biological Field Stations and Marine Laboratories \(FSML\)](#)

POSTED: Updated November 9, 2016

DEADLINE: December 9, 2016

Funding Instrument Type: Grant

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.

[National Science Foundation \(NSF\): IUSE / Professional Formation of Engineers: REvolutionizing engineering and computer science Departments \(IUSE/PFE: RED\)](#)

POSTED: Updated November 9, 2016

DEADLINE: Letters of Intent (required) due December 9, 2016; full proposals due January 18, 2017

Funding Instrument Type: Grant

In FY 2017, NSF is continuing a program aligned with the Improving Undergraduate STEM Education (IUSE) framework: REvolutionizing engineering and computer science Departments. This funding opportunity enables engineering and computer science departments to lead the nation by successfully achieving significant sustainable changes necessary to overcome longstanding issues in their undergraduate programs and educate inclusive communities of engineering and computer science students prepared to solve 21st century challenges. Note: The Principal Investigator must be a department chair/head (or equivalent) to establish institutional accountability. There must be a RED team that includes (at a minimum) an expert in engineering education or computer science education research who can ground the research plan in the literature, and a social science expert who can advise on strategies for developing a culture of change and on strategies for creating meaningful collective ownership of the effort among faculty, students, and staff. The social scientist must have the expertise to evaluate departmental dynamics and monitor change processes. **Limited submission note: An organization is allowed up to two submissions per competition.**

[National Science Foundation \(NSF\): Computational and Data-Enabled Science and Engineering in Mathematical and Statistical Sciences \(CDS&E-MSS\)](#)

POSTED: Updated November 9, 2016

DEADLINE: Full proposal window is November 25 - December 9, 2016

Funding Instrument Type: Grant

The CDS&E-MSS program accepts proposals that confront and embrace the host of mathematical and statistical challenges presented to the scientific and engineering communities by the ever-expanding role of computational modeling and simulation on the one hand, and the explosion in production of digital and observational data on the other. The goal of the program is to promote the creation and development of the next generation of mathematical and statistical theories and tools that will be essential for addressing such issues. To this end, the program will support fundamental research in

mathematics and statistics whose primary emphasis will be on meeting the aforementioned computational and data-related challenges.

[Dept. of State, Ocean and International Environmental Scientific: Global Innovation through Science and Technology \(GIST\)](#)

POSTED: November 4, 2016

DEADLINE: December 15, 2016

Funding Instrument Type: Cooperative Agreement

The Bureau of Oceans and International Environmental and Scientific Affairs' (OES) Office of Science and Technology Cooperation at the Department of State announces the Notice of Funding Opportunity (NOFA) for Global Innovation through Science and Technology (GIST) projects. GIST empowers young innovators in low and middle income countries through networking, skills building, mentoring, and access to financing to develop startup solutions that address economic and development challenges. The agreements awarded will use Fiscal Year 2016 Economic Support Funds, subject to the availability of funds.

[National Science Foundation \(NSF\): Integrative Strategies for Understanding Neural and Cognitive Systems \(NSF-NCS\) INTEGRATIVE FOUNDATIONS](#)

POSTED: Updated November 8, 2016

DEADLINE: Letters of Intent (required) due January 9, 2017; full proposals due February 6, 2017

Funding Instrument Type: Grant

The complexities of brain and behavior pose fundamental questions in many areas of science and engineering, drawing intense interest across a broad spectrum of disciplinary perspectives while eluding explanation by any one of them. Rapid advances within and across disciplines are leading to an increasingly interconnected fabric of theories, models, empirical methods and findings, and educational approaches, opening new opportunities to understand complex aspects of neural and cognitive systems through integrative multidisciplinary approaches. This program calls for innovative, integrative, boundary-crossing proposals that can best capture those opportunities. NSF seeks proposals that are bold, risky, and transcend the perspectives and approaches typical of single-discipline research efforts. This program is open to proposals to advance the foundations of one or more of the following integrative research themes, described within the solicitation: 1) Neuroengineering and Brain-Inspired Concepts and Designs; 2) Individuality and Variation; 3) Cognitive and Neural Processes in Realistic, Complex Environments; and 4) Data-Intensive Neuroscience and Cognitive Science.

[Dept. of the Interior, Bureau of Reclamation: Desalination and Water Purification Research \(DWPR\) Program FY 2017 Pilot Scale Testing Projects](#)

POSTED: November 3, 2016

DEADLINE: January 12, 2017

Funding Instrument Type: Cooperative Agreement

Through DWPR, research sponsors partner with Reclamation to address a broad range of desalting and water purification needs. Reclamation is interested in research where

the benefits are widespread but where private-sector entities are not able to make the full investment and assume all the risks. Reclamation is also interested in research that has a national significance – where the issues are of large-scale concern and the benefits accrue to a large sector of the public. The objective of this Funding Opportunity Announcement (FOA) is to invite private industry, universities, water utilities, and other research sponsors to submit proposals to cost share pilot scale testing projects that address DWPR program goals and objectives. Pilot scale testing projects are generally preceded by research studies (funded previously by DWPR or others) that demonstrate that the technology works.

[Dept. of the Interior, Bureau of Reclamation: Desalination and Water Purification Research Program FY 2017 Full Scale Testing Projects](#)

POSTED: November 3, 2016

DEADLINE: January 12, 2017

Funding Instrument Type: Cooperative Agreement

Through DWPR, research sponsors partner with Reclamation to address a broad range of desalting and water purification needs. Reclamation is interested in research where the benefits are widespread but where private-sector entities are not able to make the full investment and assume all the risks. Reclamation is also interested in research that has a national significance – where the issues are of large-scale concern and the benefits accrue to a large sector of the public. The objective of this Funding Opportunity Announcement (FOA) is to invite private industry, universities, water utilities, and other research sponsors to submit proposals to cost share full scale testing projects that address DWPR program goals and objectives. Full scale testing projects are generally preceded by pilot scale testing (funded previously by DWPR or others) that demonstrate that the technology works.

[Dept. of the Interior, Bureau of Reclamation: Desalination and Water Purification Research Program FY 2017 Research & Laboratory Scale Projects](#)

POSTED: November 3, 2016

DEADLINE: January 18, 2017

Funding Instrument Type: Cooperative Agreement

Through DWPR, research sponsors partner with Reclamation to address a broad range of desalting and water purification needs. Reclamation is interested in research where the benefits are widespread but where private-sector entities are not able to make the full investment and assume all the risks. Reclamation is also interested in research that has a national significance – where the issues are of large-scale concern and the benefits accrue to a large sector of the public. The objective of this Funding Opportunity Announcement (FOA) is to invite private industry, universities, water utilities, and other research sponsors to submit proposals to cost share research and laboratory scale projects that address DWPR program goals and objectives. Research & laboratory scale projects are typically bench scale studies involving small flow rates less than 2 gallons per minute. They are used to determine the viability of a novel process, new materials, or process modifications. Research at this stage often involves a high degree of risk and uncertainty.

[National Science Foundation \(NSF\): Division of Integrative Organismal Systems Core Programs](#)

POSTED: Updated November 8, 2016

DEADLINE: Preliminary proposals (required) due January 19, 2017; full proposals due August 04, 2017

Funding Instrument Type: Grant

The Division of Integrative Organismal Systems (IOS) supports research aimed at understanding why organisms are structured the way they are and function as they do. Proposals should focus on organisms as a fundamental unit of biological organization. Principal Investigators (PIs) are encouraged to apply systems approaches that will lead to conceptual and theoretical insights and predictions about emergent organismal properties. Areas of inquiry include, but are not limited to, developmental biology and the evolution of developmental processes, nervous system development, structure, and function, physiological processes, functional morphology, symbioses, interactions of organisms with biotic and abiotic environments, and animal behavior.

[National Science Foundation \(NSF\): National Robotics Initiative 2.0: Ubiquitous Collaborative Robots \(NRI-2.0\)](#)

POSTED: Updated November 8, 2016

DEADLINE: February 2, 2017

Funding Instrument Type: Grant or Cooperative Agreement

The goal of the National Robotics Initiative (NRI) is to support fundamental research that will accelerate the development and use of robots in the United States that work beside or cooperatively with people. The original NRI program focused on innovative robotics research that emphasized the realization of collaborative robots (co-robots) working in symbiotic relationships with human partners. The NRI-2.0 program significantly extends this theme to focus on issues of scalability: how teams of multiple robots and multiple humans can interact and collaborate effectively; how robots can be designed to facilitate achievement of a variety of tasks in a variety of environments, with minimal modification to the hardware and software; how robots can learn to perform more effectively and efficiently, using large pools of information from the cloud, other robots, and other people; and how the design of the robots' hardware and software can facilitate large-scale, reliable operation. In addition, the program supports innovative approaches to establish and infuse robotics into educational curricula, advance the robotics workforce through education pathways, and explore the social, behavioral, and economic implications of our future with ubiquitous collaborative robots.

[National Institutes of Health \(NIH\): Selective Cell and Network Vulnerability in Aging and Alzheimers Disease \(R01\)](#)

POSTED: November 3, 2016

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

Funding Instrument Type: Grant

The goal of this Funding Opportunity Announcement (FOA) is to define and characterize neural cell populations, neural circuits, and brain networks and regions that are

vulnerable to brain aging and Alzheimers disease (AD). Understanding mechanisms underlying selective vulnerability from cells to networks in AD is critical to fully define the disease process and to develop effective therapies.

[Dreyfus Foundation Invites Nominations for Teacher-Scholar Awards in Chemical Sciences](#)

POSTED: October 29, 2016

DEADLINE: February 10, 2017

Funding Instrument Type: Grant

The New York City-based Camille & Henry Dreyfus Foundation is accepting nominations from academic institutions for its Henry Dreyfus Teacher-Scholar Awards Program. The annual program supports the research and teaching careers of talented young faculty in the chemical sciences at undergraduate institutions. Based on institutional nominations, the program provides discretionary funding to faculty at an early stage in their careers. The award is based on accomplishment in scholarly research with undergraduates as well as a compelling commitment to teaching, and provides an unrestricted research grant of \$75,000. Nominees must hold a full-time tenure-track academic appointment; be beyond the fourth and not after the twelfth year of their independent academic careers; and be engaged in research and teaching primarily with undergraduates.

[National Institutes of Health \(NIH\): Research Career Enhancement Award to Advance Therapy Development for Alzheimer's \(K18\)](#)

POSTED: November 7, 2016

DEADLINE: The next funding cycle's deadline is February 12, 2017.

Funding Instrument Type: Grant

This NIA Research Career Enhancement Award (K18) program invites applications from qualified researchers to acquire training and career development experiences that close expertise gaps in data science and in drug discovery. The goal of the program is to allow Alzheimer's Disease (AD) researchers to expand their expertise to become more effective in leading cross-disciplinary, translational, team-science projects in AD or AD-related dementias (ADRD). This award will also allow data scientists to redirect their expertise toward the study of AD and ADRD.

[National Institutes of Health \(NIH\): Interdisciplinary Research to Understand the Complex Biology of Resilience to Alzheimers Disease Risk \(R01\)](#)

POSTED: November 4, 2016

DEADLINE: February 21, 2017

Funding Instrument Type: Grant

This funding opportunity announcement invites comprehensive, cross-disciplinary studies aimed at building predictive molecular models of cognitive resilience based on high-dimensional molecular data collected in individuals who remain free of dementia despite being at high risk for Alzheimers disease.

[National Institutes of Health \(NIH\): Global Noncommunicable Diseases and Injury Across the Lifespan: Exploratory Research \(R21\)](#)

POSTED: Updated November 8, 2016

DEADLINE: February 22, 2016

Funding Instrument Type: Grant or Cooperative Agreement

This Funding Opportunity Announcement (FOA) supports planning, design and initial pilots for locally relevant and catalytic research on non-communicable diseases (NCDs) or injury in low and middle-income countries (LMICs). Research addressing multiple NCDs and their risk factors and research addressing NCDs as comorbidities for/with infectious diseases including HIV/AIDS is encouraged. Scientists in the United States (U.S.) or upper middle income countries (UMICs) are eligible to partner with scientists in LMIC institutions. Pilot activities and research are expected to inform the development of more comprehensive research programs that contribute to the long-term goals of building sustainable research capacity in LMICs to address NCDs and injury throughout life and to lead to diagnostics, prevention, treatment and implementation strategies. The proposed work may also contribute to developing a base for research networking and evidence-based policy beyond the specific research project.

[National Institutes of Health \(NIH\): Phylodynamic Tracking of HIV Transmission \(R01\)](#)

POSTED: November 4, 2016

DEADLINE: March 15, 2017

Funding Instrument Type: Grant

The purpose of this Funding Opportunity Announcement (FOA) is to support interdisciplinary research collaborations to study and optimize approaches using phylodynamic analyses of HIV genotyping databases to monitor HIV transmission networks in near real-time. The long-range goal is to leverage existing databases and support innovations in HIV phylodynamics to better inform testing, treatment, and prevention efforts.

[National Institutes of Health \(NIH\): Innovative Technologies for Cancer-Relevant Biospecimen Science \(R21\)](#)

POSTED: November 7, 2016

DEADLINE: September 26, 2017

Funding Instrument Type: Grant

This Funding Opportunity Announcement (FOA) solicits grant applications proposing exploratory research projects focused on the early-stage development of highly innovative technologies that improve the quality of the samples used for cancer research or clinical care. This includes new capabilities to address issues related to pre-analytical degradation of targeted analytes during the collection, processing, handling, and/or storage of cancer-relevant biospecimens. The overall goal is to support the development of highly innovative technologies capable of maximizing or otherwise interrogating the quality and utility of biological samples used for downstream analyses. This FOA will support the development of tools, devices, instrumentation, and associated methods to preserve or protect sample integrity, or establish verification criteria for quality assessment/quality control and handling under diverse conditions.

[National Institutes of Health \(NIH\): Innovative Molecular and Cellular Analysis Technologies for Basic and Clinical Cancer Research \(R21\)](#)

POSTED: November 7, 2016

DEADLINE: September 26, 2017

Funding Instrument Type: Grant

This Funding Opportunity Announcement (FOA) solicits grant applications proposing exploratory research projects focused on the early-stage development of highly innovative technologies offering novel molecular or cellular analysis capabilities for basic or clinical cancer research. The emphasis of this FOA is on supporting the development of novel capabilities involving a high degree of technical innovation for targeting, probing, or assessing molecular and cellular features of cancer biology. Well-suited applications must offer the potential to accelerate and/or enhance research in the areas of cancer biology, early detection and screening, clinical diagnosis, treatment, control, epidemiology, and/or address issues associated with cancer health disparities. Technologies proposed for development may be intended to have widespread applicability but must be focused on improving molecular and/or cellular characterizations of cancer biology.

[Dept. of Interior, Fish and Wildlife Service: Coastal Program](#)

POSTED: November 3, 2016

DEADLINE: September 30, 2017

Funding Instrument Type: Cooperative Agreement

The Coastal Program is a voluntary, incentive-based program that provides direct technical assistance and financial assistance in the form of cooperative agreements to coastal communities and landowners to restore and protect fish and wildlife habitat on public and private lands. Coastal Program staff coordinate with project partners, stakeholders and other Service programs to identify geographic focus areas and develop habitat conservation priorities within these focus areas. Geographic focus areas are where the Coastal Program directs resources to conserve habitat for federal trust species. Project work plans are developed strategically, in coordination with partners, and with substantial involvement from Service field staff. Projects must advance our mission, promote biological diversity, and be based upon sound scientific biological principles. Program strategic plans inform the types of projects funded under this opportunity. Applicants seeking funding under this program should review the program strategic plan and also contact the regional Coastal Program office prior to submitting an application for funding.

[Dept. of the Interior, Fish and Wildlife Service: Partners for Fish and Wildlife](#)

POSTED: November 3, 2016

DEADLINE: September 30, 2017

Funding Instrument Type: Cooperative Agreement

The Partners for Fish and Wildlife (PFW) Program is a voluntary, incentive-based program that provides direct technical assistance and financial assistance in the form of cooperative agreements to private landowners to restore and conserve fish and wildlife

habitat for the benefit of federal trust resources. The PFW Program is delivered through more than 250 full-time staff, active in all 50 States and territories. Partners for Fish and Wildlife Program staff coordinate with project partners, stakeholders and other Service programs to identify geographic focus areas and develop habitat conservation priorities within these focus areas. Geographic focus areas are where the PFW Program directs resources to conserve habitat for federal trust species. Project work plans are developed strategically, in coordination with partners, and with substantial involvement from Service field staff. Projects must advance our mission, promote biological diversity, and be based upon sound scientific biological principles. Program strategic plans inform the types of projects funded under this opportunity. Applicants seeking funding under this program should review the program strategic plan and also contact the regional PFW Program office prior to submitting an application for funding.