West Virginia Science & Research
HIGHER EDUCATION POLICY COMMISSION

The Division of Science and Research distributes a weekly e-mail update regarding current grant opportunities from a variety of funders, including the National Science Foundation, NASA, National Institute of Health and others. To sign up for alerts, contact Dr. Jan Taylor.

GRANT OPPORTUNITIES

Division of Science and Research

A thoughtful piece on improving science research: http://www.sciencealert.com/scientists-have-written-an-8-page-plan-to-fix-bad-science

NASA Centennial Challenge: 3D-Printed Habitat Challenge - **Phase 2** is now open and challenges competitors to demonstrate a recycling system that can create structural components using terrestrial and space-based materials and recyclables.

NSF
NIH
NOAA
DOE
DOJ
NIST

National Science Foundation

The objective of the Cybersecurity Innovation for Cyberinfrastructure (CICI) program is to develop, deploy and integrate security solutions that benefit the scientific community by ensuring the integrity, resilience and reliability of the end-to-end scientific workflow. This solicitation seeks unique ways to protect scientific instruments, resources, cyberinfrastructure and data that extend beyond building better perimeters and point solutions. As funding agencies move toward providing openly accessible data, the possibilities for scientists and engineers to use data sources beyond those created by their own community grow. The scope of the scientific workflow encompasses instruments, mobile and traditional networks, processing software, analysis tools, computing and storage resources as well as information repositories and data archives. In order to produce accurate results, each data source must be identifiable and trustworthy. Systems must guarantee that data sets cannot be altered, which could potentially modify the analytic outcomes. Funded activities under CICI should identify opportunities for student engagement as well as cybersecurity education and training. Proposals that demonstrate opportunities to engage students directly in the deployment, operation, and advancement of the CICI-funded activities are welcome. Full Proposal Deadline Date: March 1, 2017.

Cyber-physical systems (CPS) are engineered systems that are built from, and depend upon, the seamless integration of computational algorithms and physical components. Advances in CPS will enable capability, adaptability, scalability, resiliency, safety, security, and usability that will far exceed the simple embedded systems of today. CPS technology will transform the way people interact with engineered systems -- just as the Internet has transformed the way people interact with information. New smart CPS will drive innovation and competition in sectors such as agriculture, energy, transportation, building design and automation, healthcare, and manufacturing. The goal of the CPS program is to develop the core system science needed to engineer complex cyber-physical systems that people can use or interact with and depend upon. Some of these may require high-confidence or provable behaviors. The program aims to foster a research community committed to advancing research and education in CPS and to transitioning CPS science and technology into engineering practice. By abstracting from the particulars of specific systems and application domains, the CPS program seeks to reveal cross-cutting fundamental scientific and engineering principles that underpin the integration of cyber and physical elements across all application sectors. To expedite and accelerate the realization of cyber-physical systems in a wide range of applications, the CPS program also supports the development of methods, tools, and hardware and software components based upon these cross-cutting principles, along with validation of the principles via prototypes and testbeds. We have also seen a convergence of CPS technologies and research thrusts that underpin Smart & Connected Communities (S&CC) and the Internet of Things (IoT). These domains offer new and exciting challenges for foundational research and provide opportunities for maturation at multiple time horizons. Full Proposal Window: February 20, 2017 - March 6, 2017.

Innovations at the Nexus of Food, Energy and Water Systems (INFEWS) - The overarching goal of INFEWS is to catalyze well-integrated interdisciplinary and convergent research to transform scientific understanding of the FEW nexus (integrating all three components rather than addressing them separately), in order to improve system function and management, address system stress, increase resilience, and ensure sustainability. The NSF INFEWS initiative is designed specifically to attain the following goals: 1. Significantly advance our understanding of the food-energy-water system through quantitative, predictive and computational modeling, including support for relevant cyberinfrastructure; 2. Develop real-time, cyber-enabled interfaces that improve understanding of the behavior of FEW systems and increase decision support capability; 3. Enable research that will lead to innovative solutions to critical FEW systems problems; and 4. Grow the scientific workforce capable of studying and managing the FEW system, through education and other professional development opportunities. This initiative enables interagency cooperation on one of the most pressing problems of the millennium - understanding interactions across the FEW nexus - how it is likely to affect our world, and how we can proactively plan for its consequences. In addition, NSF and USDA/NIFA are interested in promoting international cooperation that links scientists and engineers from a range of disciplines and organizations to solve the significant global challenges at the nexus of FEW systems. Proposals including international collaboration are encouraged when those efforts enhance the merit of the proposed work by incorporating unique resources, expertise, facilities or sites of international partners. The U.S. team's international counterparts generally should have support or obtain funding through non-NSF sources. To facilitate coordinating research activities between US and international partners, specific collaborative funding opportunities have been developed involving some international partners. These opportunities are listed at [https://www.nsf.gov/od/oise/INFEWS/the_international_partnerships.jsp]. Full Proposal Deadline Date: March 6, 2017.

Energy-Efficient Computing: from Devices to Architectures (E2CDA) - Collaborative, multi-disciplinary proposals that address one or both of the following research paths are solicited: (1) disruptive system architectures, circuit microarchitectures, and attendant device and interconnect technology aimed at achieving the highest level of computational energy efficiency; and (2) revolutionary device concepts and associated circuits and architectures that will greatly extend the practical engineering limits of energy-efficient computation. Further details on these research thrusts are described in the Program Description section of this solicitation. All proposals should aim for scalability sufficient to address application platforms from mobile devices to data centers, as well as extensible solutions that will sustain the long-term vitality of the information technology ecosystem. Full Proposal Deadline Date: March 7, 2017.

Software Infrastructure for Sustained Innovation (SI2) is a bold and long-term investment that maintains a sustained focus on realizing the Cyberinfrastructure Framework for 21st Century Science and Engineering (CIF21, http://www.nsf.gov/pubs/2010/nsf10015/nsf10015.jsp), which envisions a highly reusable and interoperable cyberinfrastructure architecture that integrates large-scale computing, high-speed networks, massive data archives, instruments and major facilities, observatories, experiments, and embedded sensors and actuators, across the nation and the world, to help make great strides towards revolutionizing virtually every science and engineering discipline. The SI2 program focuses on supporting robust, reliable and sustainable software that will support and advance sustained scientific innovation and discovery. Thus, proposals are strongly encouraged to describe their approach to quality software development through a defined software engineering process that includes software testing, the appropriate use of analysis tools and capabilities such as those made available through the Software Assurance Marketplace (SWAMP, https://continuousassurance.org/), and collaborations with resources such as Software Carpentry (http://software-carpentry.org/) and the Center for Trustworthy Scientific Cyberinfrastructure (CTSC, http://trustedci.org/), in order to gain access to expertise where needed, such as in software design and engineering, as well as in cybersecurity. The Division of Advanced Cyberinfrastructure (CISE/ACI) partners with Directorates and Offices across the Foundation to support SI2, a long-term comprehensive program focused on realizing a sustained software infrastructure that is an integral part of CIF21. The goal of this program is to catalyze and nurture the interdisciplinary processes required to support the entire software lifecycle, and result in the development of sustainable community software elements and reusable components at all levels of the software stack. The program addresses all aspects of cyberinfrastructure, from embedded sensor systems and instruments, to desktops and high-end data and computing systems, to major instruments and facilities. The SI2 program aspires to support vibrant partnerships among academia, government, and industry researchers, including international entities, for the development and stewardship of a sustainable software infrastructure that can enhance productivity and accelerate innovation in science and engineering. Full Proposal Deadline Dates: March 7, 2017 for SSE Proposals; April 11, 2017 for S2I2 Conceptualization Proposals; and September 19, 2017 for SSI Proposals.

Combustion and Thermal Transport Processes Research at the International Space Station to Benefit Life on Earth (NSF-ISS) - The Division of Chemical, Bioengineering and Environmental Transport (CBET) in the Engineering Directorate of the National Science Foundation (NSF) is partnering with The Center for the Advancement of Science

in Space (CASIS) to solicit research projects in the general field of combustion and thermal transport processes that can utilize the International Space Station (ISS) National Lab to conduct research that will benefit life on Earth. U.S. entities including academic investigators, non-profit independent research labs and academic-commercial teams are eligible to apply. Full Proposal Window: February 20, 2017 - March 10, 2017.

EarthCube is a community-driven activity sponsored through a partnership between the NSF Directorate for Geosciences (GEO) and the Directorate for Computer & Information Science & Engineering's (CISE) Division of Advanced Cyberinfrastructure (ACI) to transform research in the academic geosciences community. EarthCube aims to create a well-connected and facile environment to share data and knowledge in an open, transparent, and inclusive manner, thus accelerating our ability to understand and predict the Earth system. Achieving EarthCube will require a long-term dialog between NSF and the interested scientific communities to develop cyberinfrastructure that is thoughtfully and systematically built to meet the current and future requirements of geoscientists. New avenues will be supported to gather community requirements and priorities for the elements of EarthCube, and to capture the best technologies to meet these current and future needs. The EarthCube portfolio will consist of interconnected projects and activities that engage the geosciences, cyberinfrastructure, computer science, and associated communities. The portfolio of activities and funding opportunities will evolve over time depending on the status of the EarthCube effort and the scientific and cultural needs of the geosciences community. Full Proposal Deadline Date: March 14, 2017 for EarthCube Integration and EarthCube Research Coordination Networks (RCN).

Building Community and Capacity in Data Intensive Research in Education (BCC-EHR) - As part of NSF's Cyberinfrastructure Framework for 21st Century Science and Engineering (CIF21) activity, the Directorate for Education and Human Resources (EHR) seeks to enable research communities to develop visions, teams, and capabilities dedicated to creating new, large-scale, next-generation data resources and relevant analytic techniques to advance fundamental research for areas of research covered by EHR programs. Successful proposals will outline activities that will have significant impacts across multiple fields by enabling new types of data-intensive research. Investigators should think broadly and create a vision that extends intellectually across multiple disciplines and that includes—but is not necessarily limited to - areas of research funded by EHR. Full Proposal Deadline Date: March 15, 2017.

In order to jumpstart a national innovation ecosystem, NSF has established the NSF Innovation Corps Teams Program (NSF I-Corps Teams). The NSF I-Corps Teams purpose is to identify NSF-funded researchers who will receive additional support - in the form of mentoring and funding - to accelerate innovation that can attract subsequent third-party funding. The purpose of the NSF I-Corps Teams grant is to give the project team access to resources to help determine the readiness to transition technology developed by previously-funded or currently-funded NSF projects. The outcomes of I-Corps Teams projects will be threefold: 1) a clear go or no go decision regarding viability of products and services, 2) should the decision be to move the effort forward, a transition plan for those projects to move forward, and 3) a technology demonstration for potential partners. **WEBINAR**: A webinar will be held on the first Tuesday of every month to answer questions about this program. Details will be posted on the I-Corps website (see http://www.nsf.gov/news/special_reports/i-corps/program.jsp) as they become available. Full Proposal Windows: January 1, 2017 - March 15, 2017; April 1, 2017 - June 15, 2017; and July 1, 2017 - September 15, 2017.

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National Institutes of Health

NINDS Efficacy Clinical Trials (U01) - The purpose of this Funding Opportunity Announcement (FOA) is to encourage grant applications for investigator-initiated efficacy clinical trials to the National Institute of Neurological Disorders and Stroke (NINDS). The trials must address questions within the mission and research interests of the NINDS and may evaluate drugs, biologics, and devices, as well as surgical, behavioral and rehabilitation therapies. Information about the mission and research interests of the NINDS can be found at the NINDS website (http://www.ninds.nih.gov/). Application Due Date(s): March 21, 2017 then Standard dates apply.

NINDS Exploratory Clinical Trials (R01) - The purpose of this Funding Opportunity Announcement (FOA) is to encourage grant applications for investigator-initiated exploratory clinical trials to the National Institute of Neurological Disorders and Stroke (NINDS). The trials must address questions within the mission and research interests of the NINDS and may evaluate drugs, biologics, and devices, as well as surgical, behavioral and rehabilitation therapies. Information about the mission and research interests of the NINDS can be found at the NINDS website (http://www.ninds.nih.gov/). Application Due Date(s): March 21, 2017 then Standard dates apply.

Fc Receptor (FcR) and Antibody Effector Function in HIV Vaccine Discovery (R01) - The purpose of this Funding Opportunity Announcement (FOA) is to stimulate and support investigator-driven collaborative research to: 1) probe how vaccine-elicited antibodies protect against viral acquisition via Fc receptor (FCR)-mediated mechanisms; and 2) determine the functional profiles of Fc receptor engagement in the context of immune responses elicited by protective vaccines, to inform advancement of similarly promising HIV vaccine candidates. Application Due Date(s): Standard AIDS dates apply.

NK Cells to Induce Immunological Memory to Prevent HIV Infection (R01) - The purpose of this Funding Opportunity Announcement (FOA) is to support multidisciplinary, hypothesis-driven research on Natural Killer (NK) cells, leading to the discovery of pathways relevant for early immune responses and immune regulation impacting the potential protective immunity to be induced by HIV vaccination. Secondary objectives include the development of novel technologies to allow for more definitive studies of human immune monitoring in the context of vaccine clinical trials and the recruitment of innate immunologists to the HIV vaccine field. Application Due Date(s): Standard AIDS dates apply.

Reducing Over-screening for Breast, Cervical, and Colorectal Cancers among Older Adults (R21) - The purpose of this Funding Opportunity Announcement (FOA) is to promote research on interventions, based in healthcare settings, designed to reduce overscreening for breast, cervical, or colorectal cancers among average-risk older adults. While ongoing efforts to promote screening have been successful, there is growing concern that these tests may be overused, thereby subjecting adults to unnecessary risks. Over-screening older adults may be driven by factors at the individual, healthcare team, healthcare system and community organization levels. Therefore, research is needed both to understand the factors that drive overuse and to develop and test interventions that will reduce overuse in healthcare delivery systems. Research supported by this FOA should propose to intervene at two or more levels, and should measure outcomes at two or more levels, while accounting for interactions that occur between levels. Research supported by this FOA should enhance knowledge and consequences of over-screening to improve the health, independence, and quality of life of older adults. Companion Funding Opportunity is PA-17-110, R01 Research Project Grant. Application Due Date(s): Standard dates apply.

Neuroscience Research on Drug Abuse (R01) - Long-term misuse and chronic exposure to abused substances can produce widespread changes in brain structure and function. Although much progress has been made, additional research is still needed to identify the neurobiological changes that result from substance use, and how these changes contribute to substance use disorders. The overarching goals of the research areas described in this FOA are to understand the neurobiological mechanisms underlying substance use disorders, with special emphasis on identifying changes and neuroadaptations that occur during dependence, withdrawal, and relapse to chronic substance use. An understanding of the basic mechanisms underlying substance use disorders can help to identify targets for prevention and treatment interventions. Research utilizing basic, translational, or clinical approaches is appropriate. Companion Funding Opportunity is PA-17-112, R21 Exploratory/Developmental Research Grant. Application Due Date(s): Standard dates apply.

Strengthening the HIV Pre-Exposure Prophylaxis (PrEP) Care Continuum through Behavioral, Social, and Implementation Science (R21) - This Funding Opportunity Announcement (FOA) encourages behavioral, social, and implementation science research designed to (a) identify gaps in the HIV pre-exposure prophylaxis (PrEP) care continuum and associated determinants; (b) develop and test interventions to strengthen PrEP delivery, use, and outcomes; and (c) reduce racial/ethnic and age-related disparities in PrEP uptake and use. Companion Funding Opportunity is PA-17-104, R01 Research Project Grant. Application Due Date(s): Standard AIDS dates apply.

NIDA Core Center of Excellence Grants (P30) are intended to bring together investigators currently funded by NIH or other Federal or non-Federal sources, to enhance the effectiveness of existing research and also to extend the focus of research to drug abuse and addiction. It is expected that a Center will transform knowledge in the sciences it is studying. Incremental work should not be the focus of Center activities; rather, new and creative directions are encouraged. An application should integrate and promote research in existing funded projects, to achieve new and creative directions. It is expected that individual core activities reflect a relationship to the integrating theme of the Center and the Center is expected to provide research opportunities and experiences to new investigators, and share findings, data and their resources, consistent with achieving the goals of the program. Letter of Intent Due Date(s): 30 days prior to the application due date. Application Due Date(s): September 26, 2017; September 26, 2018, September 26, 2019.

Reducing Health Disparities Among Minority and Underserved Children (R21) - This initiative encourages research that targets the reduction of health disparities among children. Investing in early childhood development is essential. Specific targeted areas of research include bio-behavioral studies that incorporate multiple factors that

influence child health disparities such as biological (e.g., genetics, cellular, organ systems), lifestyle factors, environmental (e.g., physical and family environments) social (e.g., peers), economic, institutional, and cultural and family influences; studies that target the specific health promotion needs of children with a known health condition and/or disability; and studies that test, evaluate, translate, and disseminate health promotion prevention and interventions conducted in traditional and non -traditional settings. Companion Funding Opportunity is PA-17-118, R01 Research Project Grant. Application Due Date(s): Standard dates apply.

Development of Socially-Assistive Robots (SARs) to Engage Persons with Alzheimer's Disease (AD) and AD-Related Dementias (ADRD), and their Caregivers (R41/R42) - The purpose of this Small Business Technology Transfer Research (STTR) FOA is to encourage small businesses and their research partners to develop assistive robotics and related technology that would enhance health and reduce illness and disability in older Americans suffering from Alzheimer's Disease (AD), AD-related dementias (ADRD), and other comorbidities. In addition, this FOA encourages small businesses and their research partners to develop assistive robotics addressing the needs and conditions of caregivers to older Americans suffering from AD and ADRD. Companion Funding Opportunity is PAR-17-108, SBIR R43/R44-Phase I, Phase II, and Fast Track. Letter of Intent Due Date(s): 30 days prior to the application due date. Application Due Date(s): Standard dates apply.

Chronic Condition Self-Management in Children and Adolescents (R01) - The purpose of this Funding Opportunity Announcement (FOA) is to encourage research to improve self-management and quality of life in children and adolescents with chronic conditions. Managing a chronic condition is an unremitting responsibility for children and their families. Children with a chronic condition and their families have a long-term responsibility for self-management. This FOA encourages research that takes into consideration various factors that influence self-management such as individual differences, biological and psychological factors, family/caregivers and sociocultural context, family-community dynamics, healthcare system factors, technological advances, and the role of the environment. Companion Funding Opportunity is PA-17-116, R21 Exploratory/Developmental Grant. Application Due Date(s): Standard dates apply.

Targeted basic behavioral and social science and intervention development for HIV prevention and care (R01) - This Funding Opportunity Announcement (FOA) solicits innovative, targeted basic behavioral and social science and intervention development research to reduce incident HIV infections and improve the health of those living with HIV. This FOA encourages research designed to (a) conduct basic behavioral and social science research that is needed to advance the development of HIV prevention and care interventions, (b) translate and operationalize the findings from these basic studies to develop interventions and assess their acceptability and feasibility and (c) conduct tests of the efficacy of HIV prevention and care interventions. Companion Funding Opportunity is PA-17-105, R21 Exploratory/Developmental Grant. Application Due Date(s): Standard AIDS dates apply.

Discovering Novel Targets: The Molecular Genetics of Drug Addiction and Related Co-Morbidities (R01) - This FOA encourages applications for research projects that identify, validate and/or functionally characterize loci, genetic variations and haplotypes that are associated with vulnerability to addiction and that potentially inform the likelihood of responsiveness to treatment. Applications that propose to examine intermediate phenotypes or endophenotypes to assess the molecular genetics of drug addiction, addiction vulnerability and/or their associated co-morbidities and how they are related to drug addiction are especially encouraged. Also encouraged are genetic as well as computational and large-scale genomic approaches, which may include but are not limited to linkage, linkage disequilibrium, case-control or family-based studies, and integration of data from other databases that may supplement substance abuse genetics and genomics data. Data may be collected from the general population, special populations, recent admixed populations, and/or animal models. Secondary data analysis of data collected from the general population, special populations, recent admixed populations, and/or animal models is also appropriate for this announcement. Investigators are encouraged to include functional characterization, gene x gene interactions, gene x environment interactions, gene x environment x development interactions, pharmacogenetics, and non-human models, as appropriate. Application Due Date(s): Standard dates apply.

Maternal and Child Health Collaborative Office Rounds (MCH COR) - This announcement solicits applications for the Maternal and Child Health Collaborative Office Rounds (MCH COR). The purpose of this program is to enhance the knowledge and skills of community-based, primary care providers in addressing the mental/behavioral health conditions of their patients. The program supports continuing education in psychosocial developmental aspects of child health that emphasizes the practical challenges confronted by community-based, primary care practitioners. The objectives of this program are to: enhance primary care provider understanding of psychosocial aspects of child development, disorders, and disability increase provider ability to help children and families address these issues expand provider ability to distinguish between transient disturbances and more serious

psychiatric disorders which require referral promote collaboration between pediatricians and child psychiatrist facilitate a comprehensive approach to health supervision, such as outlined in Bright Futures: Guidelines for Health Supervision of Infants, Children and Adolescents. Application Deadline: 03/20/2017.

Basic Mechanisms of Brain Development Mediating Substance Use and Dependence (R01) - This Funding Opportunity Announcement (FOA) encourages applications from investigators that propose to study the developing brain or brain areas that play significant roles in mediating emotional and motivated behavior and in substance use and dependence. All stages of brain development are of interest, but a new emphasis of the current reissue of this initiative is to support basic neuroscience research on fundamental mechanisms of brain development during pre-puberty and the adolescent period in relation to the problems of substance abuse and co-morbidity with psychiatric disorders. Topics of interest pertaining to brain development of this initiative include, but are not limited to, the euphoric properties of abused substances, actions of psychotherapeutic agents, and their consequences on memory, cognitive and emotional processes. A major goal of this initiative is to understand how exposure to substances of abuse and environmental insults affects the cellular and molecular mechanisms underlying nervous system development and neural circuit functions implicated in substance use and addiction. Application Due Date(s): Standard dates apply.

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Department of Energy

Funding Opportunity Announcement (FOA) Number: DE-FOA-0001689, Integrated Bio-refinery Optimization - The FOA will identify, evaluate, and select applications proposing projects to address challenges encountered with the successful scale-up and reliable continuous operation of IBRs for the manufacture of Advanced or Cellulosic Biofuels (see Definitions) and associated higher value bioproducts. The FOA seeks applications for projects focused on addressing these challenges, reducing risks, and providing resources to accelerate commercialization of biofuels and bioproducts. The FOA includes four topic areas as follows: • Topic Area 1: Robust, continuous handling of solid materials (dry and wet feedstocks, biosolids, and/or residual solids remaining in the process) and feeding systems to reactors under various operating conditions; • Topic Area 2: High value products from waste and/or other under-valued streams in an IBR; • Topic Area 3: Industrial separations within an IBR; and • Topic Area 4: Analytical modeling of solid materials (dry and wet feedstocks, and/or residual solids remaining in the process) and reactor feeding systems. Concept Paper Submission Deadline: 2/6/2017 5:00 PM ET. Full Application Submission Deadline: 4/3/2017 5:00 PM ET.

The CIRCUITS (Creating Innovative and Reliable Circuits Using Inventive Topologies and Semiconductors) program seeks to accelerate the development and deployment of a new class of efficient, lightweight, and reliable power converters based on wide bandgap (WBG) semiconductors through transformational system-level advances that enable effective operation at high switching frequency, high temperature, and low loss. Previous efforts by ARPA-E and others have primarily focused on WBG material and device development without focused consideration and redesign of the circuit topology. Such solutions do not fully exploit the potential performance improvements enabled by this new class of power semiconductor devices. Areas of particular interest for the CIRCUITS program include novel circuit topologies, advanced control and drive electronics, and innovative packaging. Such technological breakthroughs would catalyze the adoption of higher performance power converters in various critical applications (motor drives, automotive, power supplies, data centers, aerospace, ship propulsion, rail, distributed energy, and the grid) that offer significant direct and indirect energy savings and emissions reductions across electricity generation, transmission and distribution, and load-side consumption. Coupling novel and advanced circuit topologies with leading edge materials such as WBG semiconductor devices has the capacity to catalyze disruptive improvements for power electronics and subsequently for the U.S. economy. There is also an SBIR/STTR opportunity for this program. Concept Paper Submission Deadline: 2/20/2017 5:00 PM ET. Full Application Submission Deadline: TBD.

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National Oceanic and Atmospheric Administration

FY 2017 Verification of the Origins of Rotation in Tornadoes Experiment in the Southeast U.S. (VORTEX-SE), and Infrasound Detection of Tornadoes (click on Related Documents tab)- This research funding opportunity is being jointly issued by the NOAA OAR Office and Weather and Air Quality (OWAQ) and the National Severe Storms Laboratory (NSSL). It seeks to obtain new knowledge of the meteorological and infrasound aspects of tornadoes in

the southeastern United States (U.S.) and the social and behavioral aspects of the public response to tornado forecasts and tornado events. This new knowledge will improve our ability to understand, forecast and warn the public of tornadoes and elicit appropriate responses to mitigate damage, injuries, and loss of life. Full application packages must be submitted through Grants.gov no later than 5:00 p.m. Eastern Time (ET) on Wednesday March 15, 2017. Expected project start date is September 1, 2017.

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Department of Justice

The purpose of the Office on Violence Against Women (OVW)'s Research and Evaluation (R&E) initiative is to research and evaluate approaches to combatting domestic violence, sexual assault, dating violence, and stalking. By generating more knowledge about strategies for serving victims and holding offenders accountable, communities that benefit from Violence Against Women Act (VAWA) funding will be better equipped to align their work with practices that are known to be effective, and they will be more capable of generating empirical knowledge on the efficacy of new and promising ways of doing things. R&E is designed to support researcher-practitioner partnerships and a broad range of research and evaluation methods, including qualitative, mixed-method, and quasi-experimental designs. OVW is especially interested in supporting research on culturally-specific interventions and interventions designed to address the needs of victims from underserved and marginalized populations. Applications are due by 11:59 p.m. Eastern Time (E.T.) on March 1, 2017.

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National Institute of Standards and Technology

FY 2017 Small Business Innovation Research (SBIR) Program - The National Institute of Standards and Technology (NIST) invites small businesses to submit Phase I research applications under this Notice of Funding Opportunity (NOFO). Firms with strong research capabilities in any of the areas listed in Section 9 of this NOFO are encouraged to participate. Applications not addressing one of the subtopics in Section 9 are not responsive to this NOFO. Closing Date: March 30, 2017.

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