

Funding Bulletin

March 23rd, 2018 (Vol. 5, No. 12)

Funding Information

To receive funding information, please contact funding@wichita.edu.

NOTICE – Notification for the current Funding Bulletin is sent via email. To be added to the electronic mailing list, send an email message to: funding@wichita.edu. Leave the subject line blank. In the message area, type: *sub funding bulletin*. To unsubscribe, type: *unsub funding bulletin*.

The selected compilation of funding opportunities is provided by RTT's Pre-Award Services as a resource for Wichita State University Researchers. We encourage you to utilize the campus subscription to PIVOT to find funding opportunities specifically tailored to your research area based on keywords you provide. PIVOT is easy to use and offers other valuable services that are helpful to researchers. Access is available at: <http://pivot.cos.com/home/index> or you may contact funding@wichita.edu to have a custom search ran.

Click on the links below to go directly to the named section included in this edition's bulletin

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How to Apply

Proposal development requests should be sent to proposals@wichita.edu. Please click on the following link for information regarding proposal submission at WSU:

<http://webs.wichita.edu/?u=WSURESEARCHADMIN&p=/Proposals/PreAwardServices/>

A bi-weekly publication of the Office of Research and Technology Transfer. For additional information or to request a customized funding opportunity search, please contact funding@wichita.edu.

OFFICE OF RESEARCH WORKSHOPS

For more information contact Kendra Nguyen at kendra.nguyen@wichita.edu or 978-3285.

For complete schedule go to: <http://webs.wichita.edu/?u=wsuresearchadmin&p=/researchworkshops/>

WORKSHOP TITLE	DATE	TIME	ROOM	DESCRIPTION
IRB Open Lab	Apr 12	9:30 – 11:00 a.m.	409E Jardine	The IRB Administrator will be holding Open Labs this spring for Faculty, Staff or Students who have questions about the new forms or about their study in general. <i>This is a come and go lab with no registration required.</i>
Research Compliance Open Lab	Apr 18	9:00 – 11:00 a.m.	Devlin Hall Innovation Hub	The Research Compliance Office will hold an open lab for questions regarding hiring foreign nationals; shipping or receiving items from outside the US; international travel; review of Research projects for export compliance; conflicts of interest & management plans. <i>This is a come and go lab with no registration required.</i>
SBIR Monthly Q&A	Apr 19	2:00 – 4:00 p.m.	Experiential Engineering Building 163	These monthly sessions allow students, faculty and staff to learn more about the U.S. government's Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs or ask questions about specific topics.



NOTICES

Funding Bulletin Survey – your feedback is appreciated!

The Office of Research has created a short survey to gauge user satisfaction for our Funding Bulletin; please take a couple minutes to tell us your thoughts about it. Participation is confidential and optional; results will be utilized to evaluate customer satisfaction with funding search support. Your feedback is appreciated! Please follow the link below to access the survey:

https://wichitastate.co1.qualtrics.com/jfe/form/SV_9AHfbwsfnD8Y6a1

Curious to see who's receiving external funding on campus?!? Check out the Office of Research's Monthly Awards

<http://webs.wichita.edu/?u=wsuresearchadmin&p=/researchmonthlyawards/jan17/>

INTERNAL OPPORTUNITIES

University Research/Creative Projects (URCA) – Round One

Wichita State University

Due Date: 4/6/2018

Applications for Round 1 of the University Research/Creative Projects (URCA) are due to the Office of Research and Technology Transfer by Apr. 6 at 5:00 p.m. for grant period July 1, 2018 – June 30, 2019. URCA's are to retool or reestablish productive research/creative projects agenda. In areas where external funding is available, the URCA may be used as seed money to develop pilot data. Areas where access to external sources is limited may receive special consideration. Grants may be for up to \$4,500 awarded in two separate competitions: New - tenure-eligible faculty in their first or second year of probation to initiate research/creative projects, and Established - tenured faculty or probationary faculty in their 3rd (or more) year of probation to retool or re-establish productive research/creative agenda. Application and instructions are available on the research website and may be submitted electronically to proposals@wichita.edu or Campus Box 7.

For more information, visit

<http://webs.wichita.edu/?u=wsuresearchadmin&p=/ORAIInternalGrants/ORAIInternalGrants/>

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LIMITED SUBMISSIONS

Limited submission programs have sponsor restrictions on the number of proposals that may be submitted by a single institution and will require institutional screening to determine which applications will be submitted. Karen Davis, Director of Pre-Award Services, is the internal coordinator for limited submission programs. Please notify proposals@wichita.edu, by the internal Notice of Intent (NOI) due date listed in the Funding Bulletin if you wish to submit a limited submission program. **Because many limited submission programs often have short turnaround times, it is important that researchers also periodically check the Office of Research's [Limited Submission Opportunities](#) webpage for additional opportunities that may not have made it into the bulletin. There are currently seven open limited submission competitions (please see our website for additional limited submissions whose internal deadlines that have passed but may still be accepted NOIs):**

(1) Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science (NSF INCLUDES)

National Science Foundation (NSF)

Due Date: Internal NOIs 3/23/2018; Full Proposal 4/4/2018

This solicitation is a call for NSF INCLUDES Alliance proposals only.

NSF INCLUDES (Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science) is a comprehensive national initiative designed to enhance U.S. leadership in science, technology, engineering, and mathematics (STEM) discoveries and innovations by focusing on broadening participation in these fields at scale. The vision of NSF INCLUDES is to catalyze the STEM enterprise to collaboratively work for inclusive change, which will result in a STEM workforce that reflects the population of the Nation. The initiative is developing a National Network composed of NSF INCLUDES Design and Development Launch Pilots, NSF INCLUDES Alliances, an NSF INCLUDES Coordination Hub, NSF-funded broadening participation projects, other relevant NSF-funded projects, scholars engaged in broadening participation research, and other organizations that support the development of talent from all sectors of society to build an inclusive STEM workforce. The successful implementation of NSF INCLUDES will result in substantial advances toward a diverse, innovative, and well-prepared STEM workforce to support our Nation's economy and continued U.S. leadership in the global STEM enterprise. It is anticipated that NSF's investment will contribute to new and improved STEM career pathways, policies, opportunities to learn, and practices for equity and inclusion. The initiative will be supported by the NSF INCLUDES Coordination Hub (NSF 17-591) that will provide a framework for communication and networking, network assistance and reinforcement, and visibility and expansion for the NSF INCLUDES National Network as a whole.

This solicitation offers opportunities for NSF INCLUDES Alliances. The critical functions of each NSF INCLUDES Alliance are to:

A bi-weekly publication of the Office of Research and Technology Transfer. For additional information or to request a customized funding opportunity search, please contact funding@wichita.edu.

- 1) Develop a vision and strategy (e.g., problem statement and theory of change) for broadening participation in STEM along with relevant metrics of success and key milestones/goals to be achieved during the project's lifecycle;
- 2) Contribute to the knowledge base on broadening participation in STEM through broadening participation and implementation research, sharing project evaluations, data, new scientific findings/discoveries, and promising practices;
- 3) Develop multi-stakeholder partnerships and build infrastructure among them to decrease social distance and achieve progress on common goals targeted by the Alliance;
- 4) Establish a "backbone" or support organization that provides a framework for communication and networking, network assistance and reinforcement, visibility and expansion of the Alliance and its partners, that will collaborate with the NSF INCLUDES Coordination Hub;
- 5) Advance a logic model or other heuristic that identifies Alliance outcomes that reflect implementation of change at scale and progress toward developing an inclusive STEM enterprise.

Collectively, the set of NSF INCLUDES Alliances are to:

- 1) Participate in a network of peer alliances to achieve long-term goals of the NSF INCLUDES program;
- 2) Collaborate with the NSF INCLUDES Coordination Hub to build critical knowledge that shows measurable progress toward long-term goals; and
- 3) Work to build on-ramps for other organizations and broadening participation stakeholders to join in and expand the NSF National Network.

All NSF INCLUDES Alliance proposals should describe the results they expect to achieve in broadening participation in STEM. Each proposal must explain how they will build the infrastructure to foster collaboration and achieve impact by emphasizing the following five characteristics of the NSF INCLUDES Program: a) Vision, b) Partnerships, c) Goals and Metrics, d) Leadership and Communication, and e) the Potential for Expansion, Sustainability and Scale.

Vision: Every NSF INCLUDES Alliance proposal should describe the vision of what the Alliance aspires to achieve. What will be different in the landscape of broadening participation in STEM as a result of the efforts of this Alliance?

Partnerships: Partnerships and networks are at the heart of the NSF INCLUDES National Network, and Alliance proposals should include a plan for creating a platform for partnerships and collaborative action that includes a "backbone" or support organization. How will the Alliance partners engage an expansive community in a shared vision of the importance and power of broadening participation for scientific innovation? Why is the partnership that is being developed the right partnership to achieve the vision?

Goals and Metrics: Alliance proposals should delineate how the partnerships and networks will develop and be driven by shared goals, available evidence from research that forms the basis for the plans, and the metrics and milestones that define the pathway to achieving the vision. Robust data collection plans and implementation research will need to be included, to facilitate evidence-based decision making and adjustments as the Alliance matures.

Leadership and Communication: Alliance proposals should provide details for how the Alliance will build and strengthen capacity for leadership and communication among collaborating organizations and individuals to create opportunities and enact inclusion in STEM.

Expansion, Sustainability and Scale: Finally, Alliance proposals should discuss how the collaborative infrastructure building process will ultimately lead to: expansion (more partners joining the movement), sustainability (more long-term connections being made), and implementation of change at scale (a likelihood for collaborative change to lead to change on a broad scale). **NSF 18-529** *An organization may serve as the lead institution on only one Alliance proposal.*

- URL: <https://www.nsf.gov/pubs/2018/nsf18529/nsf18529.htm>

(2) New Work Project Grants

Harpo Foundation

Due Date: Internal NOIs 3/30/2018; Application 4/13/2018

The Foundation's grant program awards 7-10 grants annually. Grants are made directly to artists to support their development and to non-profit organizations in support of new work by artists. ***Presenting venues and hosting organizations may only submit one application a year.***

- URL: <http://www.harpofoundation.org/new-work-project-grants/>

(3) Preservation Assistance Grants for Smaller Institutions

National Endowment for the Humanities (NEH)

Due Date: Internal NOIs 3/30/2018; Application 5/1/2018

Preservation Assistance Grants help small and mid-sized institutions - such as libraries, museums, historical societies, archival repositories, cultural organizations, town and county records offices, and colleges and universities - improve their ability to preserve and care for their significant humanities collections. These may include special collections of books and journals, archives and manuscripts, prints and photographs, moving images, sound recordings, architectural and cartographic records, decorative and fine art objects, textiles, archaeological and ethnographic artifacts, furniture, historical objects, and digital materials. Applicants must draw on the knowledge of consultants whose preservation skills and experience are related to the types of collections and the nature of the activities that are the focus of their projects. Within the conservation field, for example, conservators usually specialize in the care of specific types of collections, such as objects, paper, or paintings. Applicants should therefore choose a conservator whose specialty is appropriate for the nature of their collections. Similarly, when assessing the preservation needs of archival holdings, applicants must seek

a consultant specifically knowledgeable about archives and preservation. Because the organization and the preservation of archival collections must be approached in tandem, an archival consultant should also provide advice about the management and processing needs of such holdings as part of a preservation assessment that includes long-term plans for the arrangement and description of archival collections. **20170502-PG** *Only one application for a Preservation Assistance Grant may be submitted annually by an institution, although distinct collecting entities of a larger organization may apply in the same year, such as the library and museum of a university or two historic sites within a historical society.*

- URL: <https://www.neh.gov/grants/preservation/preservation-assistance-grants-smaller-institutions>

(4) Henry Dreyfus Teacher-Scholar Awards Program

Camille and Henry Dreyfus Foundation, Inc.

Due Date: Internal NOIs 4/6/2018; Nomination 5/18/2018

The Henry Dreyfus Teacher-Scholar Awards 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. The Foundation seeks Henry Dreyfus Teacher-Scholars who, as independent faculty members, have demonstrated leadership in original scholarly research of outstanding quality, substantially with undergraduates, as well as excellence and dedication in undergraduate education. Recommendations for awards are based on evidence of outstanding educational efforts and the nominee's scholarly research achievements with undergraduates as an independent faculty member, as assessed by a panel of distinguished faculty in the chemical sciences. The three outside letters of support (see below for details) are of particular value to the reviewers. Other considered factors are: awards and honors, publication of research achievements in leading journals, and success in attracting research funding. ***Institutions may submit only one Henry Dreyfus nomination annually.***

- URL: http://www.dreyfus.org/awards/henry_dryfus_teacher_award.shtml

(5) Research Initiative for Scientific Enhancement (RISE) (R25)

National Institutes of Health (NIH) - National Institute of General Medical Sciences (NIGMS)

Due Date: Internal NOIs 4/6/2018; Application 5/25/2018

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The over-arching goal of this NIGMS R25 program is to support educational activities that enhance the diversity of the biomedical, behavioral and clinical research workforce. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on research experiences and courses for skills development. Applicants should directly address how the set of activities will enhance the diversity of the biomedical, behavioral and clinical research workforce by discussing 1) the rationale underlying the balance of effort and resources dedicated to each activity; 2) how the three activities integrate; and 3) objective indicators that can measure the effectiveness of the program. **PAR-16-361 Only one application per institution is allowed**

- URL: <https://grants.nih.gov/grants/guide/pa-files/PAR-16-361.html>

(6) Shared Instrumentation for Animal Research (SIFAR) Grant Program (S10 Clinical Trial Not Allowed)

National Institutes of Health (NIH) - Office of Research Infrastructure Programs (ORIP)

Due Date: Internal NOIs 4/20/2018; Application 5/31/2018

The Shared Instrumentation for Animal Research (SIFAR) Grant Program encourages applications from groups of NIH-funded investigators to purchase or upgrade scientific instruments necessary to carry out animal experiments in all areas of biomedical research supported by the NIH. Applicants may request clusters of commercially available instruments configured as specialized integrated systems or as series of instruments to support a thematic well-defined area of research using animals or related materials. Priority will be given to uniquely configured systems to support innovative and potentially transformative investigations. This FOA supports requests for state-of-the art commercially available technologies needed for NIH-funded research using any vertebrate and invertebrate animal species. This funding opportunity announcement (FOA) does not support requests for single instruments. **PAR-18-599 Applicant organizations may submit only one application per institution.**

- URL: <https://grants.nih.gov/grants/guide/pa-files/PAR-18-599.html>

(7) Cybersecurity Innovation for Cyberinfrastructure (CICI)

National Science Foundation (NSF)

Due Date: Internal NOIs 5/4/2018; Full Proposal 6/4/2018

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. **NSF 18-547 Organizations are limited to 2 CICI proposals.**

CICI seeks three categories of projects:

1. Secure Scientific Cyberinfrastructure: These awards seek to secure the scientific workflow by encouraging novel and trustworthy architectural and design approaches, models and frameworks for the creation of a holistic, integrated security environment that spans the entire scientific CI ecosystem;
2. Collaborative Security Response Center: This single award targets the development of a community resource to provide security monitoring, analysis, expertise, and resources Research & Education (R&E) cyberinfrastructure staff, regardless of physical location or organization; and
3. Research Data Protection: These awards provide solutions that both ensure the provenance of research data and reduce the complexity of protecting research data sets regardless of funding source.

- URL: <https://www.nsf.gov/pubs/2018/nsf18547/nsf18547.htm>

GENERAL

Research Associateship Programs

National Academies of Sciences, Engineering, and Medicine - National Research Council (NRC)

Due Date: Applications 5/1/2018; Supporting Documents 5/15/2018

Applications 8/1/2018; Supporting Documents 8/15/2018

Through a national competition, the NRC recommends and makes Research Associateship awards to outstanding scientists and engineers, at the postdoctoral and senior levels, for tenure as guest researchers at the participating laboratories. A limited number of opportunities are available for support of graduate students in select fields. The objectives of the Research Associateship Programs are (1) to provide postdoctoral and senior scientists and engineers of unusual promise and ability opportunities for research on problems, largely of their own choice that are compatible with the interests of the sponsoring laboratories and (2) to, thereby, contribute to the overall efforts of the laboratories. For recent doctoral graduates, the programs provide an opportunity for concentrated research in association with selected members of the permanent professional laboratory staff. For established scientists and engineers, the programs afford an opportunity for research without the interruptions and distracting assignments of permanent career positions. Participating laboratories receive a stimulus to their programs by the presence of bright, highly motivated, recent doctoral graduates and by senior investigators with established records of research productivity. New ideas, techniques, and approaches to problems contribute to the overall research climate of the laboratories. Indirectly, the awards also make available to the broader scientific and engineering communities the excellent and often unique research facilities that exist in the sponsoring laboratories.

- URL: http://sites.nationalacademies.org/PGA/RAP/PGA_050491

Innovations at the Nexus of Food, Energy and Water Systems

National Science Foundation (NSF)

Due Date: 9/26/2018

Humanity is reliant upon the physical resources and natural systems of the Earth for the provision of food, energy, and water. It is becoming imperative that humanity determines how society can best integrate across the natural and built environments to provide for a growing demand for food, water and energy while maintaining appropriate ecosystem services. Factors contributing to stresses in the food, energy, and water (FEW) systems include increasing regional and social pressures and governance issues as result of land use change, climate variability, and heterogeneous resource distribution. These interconnections and interdependencies associated with the food, energy and water nexus create

research grand challenges in understanding how the complex, coupled processes of society and the environment function now, and in the future. There is a critical need for research that enables new means of adapting to future challenges. The FEW systems must be defined broadly, incorporating physical processes (such as built infrastructure and new technologies for more efficient resource utilization), natural processes (such as biogeochemical and hydrologic cycles), biological processes (such as agroecosystem structure and productivity), social/behavioral processes (such as decision making and governance), and cyber elements. Investigations of these complex systems may produce discoveries that cannot emerge from research on food or energy or water systems alone. It is the synergy among these components in the context of sustainability that will open innovative science and engineering pathways to produce new knowledge and novel technologies to solve the challenges of scarcity and variability. The overarching goal of INFEWS is to catalyze the well-integrated interdisciplinary research efforts to transform scientific understanding of the FEW nexus in order to improve system function and management, address system stress, increase resilience, and ensure sustainability. **NSF 18-545**

The NSF INFEWS initiative is designed specifically to attain the following goals:

1. Significantly advance the understanding of the food-energy-water system through quantitative 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 system and technological solutions to critical FEW problems; and
4. Grow the scientific workforce capable of studying and managing the FEW system, through education and other professional development opportunities.

- URL: <https://www.nsf.gov/pubs/2018/nsf18545/nsf18545.htm>

Community Grant Program

Walmart Foundation

Due Date: 12/31/2018

Walmart believes in operating globally and giving back locally - creating impact in the neighborhoods where its associates live and work. Through the Community Grant Program, the associates are proud to support the needs of their communities by providing grants to local organizations. Funds must benefit the facility's service area: potential grantees should be nonprofit organizations with programs that benefit communities within the service area of the Walmart store, Sam's Club or Logistics facility from which they are requesting funds.

Walmart and the Walmart Foundation have identified four core areas of giving:

Hunger Relief & Healthy Eating

Sustainability

Women's Economic Empowerment and Opportunity

The proposed use of the grant should fit within one of these areas of giving. Primary consideration for the Community Grant program is to support local organizations with programs that align with Walmart and the Foundation's areas of giving. However, programs that do not align with these areas may also be given consideration. These include programs that are geared toward strengthening the local communities, for example: local organizations providing health and dental screenings, support for local police and fire departments and local school-based initiatives.

- URL: <http://giving.walmart.com/apply-for-grants/local-giving>

ARTS & HUMANITIES

Community Conversations Research

Corporation for National and Community Service (CNCS)

Due Date: Notices of Intent 3/26/2018; Applications 4/10/2018

This competition focuses on engaging communities in conversations about their civic health using participatory research approaches to facilitate civic engagement and strengthen community capacity to address local issues, both of which are central to CNCS's mission. CNCS has a strong belief in the importance of scholarly research to conduct credible and meaningful research on national service, volunteering, civic engagement, and social capital. Through research grants, CNCS's Office of Research and Evaluation (ORE) engages a broad community of academic and applied researchers in this effort. ORE also supports the use of multifaceted research approaches and introduces cutting-edge research methods and designs into their studies. **CNCS-03-08-18**

- URL: <https://www.nationalservice.gov/build-your-capacity/grants/funding-opportunities/2018/community-conversations-research-competition>



Publishing Historical Records in Documentary Editions

National Archives and Records Administration (NARA) - National Historical Publications and Records Commission (NHPRC)

Due Date: Optional Drafts 4/4/2018; Applications 6/13/2018 (EDITIONS-201806)

Optional Drafts 8/1/2018; Applications 10/4/2018 (EDITIONS-201810)

The goal of this program is to provide access to, and editorial context for, the historical documents and records that tell the American story. Applicants should demonstrate familiarity with the best practices recommended by the Association for Documentary Editing or the Modern Language Association Committee on Scholarly Editions. Grants are awarded for collecting, describing, preserving, compiling, transcribing, annotating, editing, encoding, and publishing documentary source materials online and in print. Because of the focus on documentary sources, grants do not support preparation of critical editions of published works unless such works are just a small portion of the larger project. All applicants should be aware that the application process is highly competitive. **EDITIONS-201806, EDITIONS-201810**

- URL: <https://www.archives.gov/nhprc/announcement/editions.html>

Division of Preservation and Access: Research and Development

National Endowment for the Humanities (NEH)

Due Date: 6/7/2018

The Research and Development program supports projects that address major challenges in preserving or providing access to humanities collections and resources. These challenges include the need to find better ways to preserve materials of critical importance to the nation's cultural heritage--from fragile artifacts and manuscripts to analog recordings and digital assets subject to technological obsolescence--and to develop advanced modes of organizing, searching, discovering, and using such materials. This program recognizes that finding solutions to complex problems often requires forming interdisciplinary project teams, bringing together participants with expertise in the humanities; in preservation; and in information, computer, and natural science. All projects must demonstrate how advances in preservation and access would benefit the cultural heritage community in supporting humanities research, teaching, or public programming.

Research and Development offers two funding tiers in order to address projects at all stages of development and implementation.

Tier I: Planning and Basic Research

Tier II: Advanced Implementation

- URL: <https://www.neh.gov/grants/preservation/research-and-development>

Research Scholarships

Gerda Henkel Stiftung / Gerda Henkel Foundation

Due Date: 6/13/2018, 11/17/2018

A research scholarship is usually applied for by one scholar who will work on a specific project on his own. An institutional affiliation is not necessary. The simultaneous receipt of salary or retirement pension and a research scholarship is not possible. The funding activities concentrate basically on German and foreign academics in the fields of historical humanities.

Support is primarily provided for the historical humanities, in particular to support research projects in the following fields:

- Archaeology
- Art History
- Historical Islamic Studies
- History
- History of Law
- History of Science
- Prehistory and Early History

- **URL:** https://www.gerda-henkel-stiftung.de/application_research-scholarships

EDUCATION

7-12 Classroom Research Grants

National Council of Teachers of Mathematics (NCTM) - Mathematics Education Trust (MET)

Due Date: 11/3/2018

The purpose of this grant is to support and encourage classroom-based research in precollege mathematics education in collaboration with college or university mathematics educators. For 2018-19 grants with a maximum of \$6,000 each will be awarded to mathematics educators or classroom teachers currently teaching mathematics at the grades 7-12 level. The research must be a collaborative effort involving a college or university mathematics educator (a mathematics education researcher or a teacher of mathematics learning, teaching, or curriculum) and one or more grades 7-12 classroom teachers (individuals who spend half or more of their work time teaching in the classroom).

The proposal may include, but is not restricted to, research on the following topics:

- Curriculum development and implementation
- Involvement of at-risk or minority students
- Students' thinking about a particular mathematics concept or set of concepts
- Connection of mathematics to other disciplines
- Focused learning and teaching of mathematics with embedded use of technology (any acquisition of equipment must support the proposed plan but not be the primary focus of the grant)
- Innovative assessment or evaluation strategies

Involvement of preservice teachers is encouraged but not required. This research should lead to a draft article suitable for submission in the *Mathematics Teacher Educator*, *Journal for Research in Mathematics Education*, or in one of the NCTM school journals. Proposals must address the following: research design, the plan for collecting and analyzing data, and the anticipated impact on students' learning.

- URL: <https://www.nctm.org/Grants-and-Awards/Grants/7-12-Classroom-Research-Grants/>

ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

Science and Technology for Autonomous Teammates (STAT)

United States Department of Defense (DOD) - Department of the Air Force (USAF) - Air Force Materiel Command - Air Force Research Laboratory (AFRL)

Due Date: White Papers 4/13/2018

The objective of Science and Technology for Autonomous Teammates (STAT) program is to develop and demonstrate autonomy technologies that will enable various AF mission sets. **A8650-17-S-6001**

- URL: https://www.fbo.gov/index?s=opportunity&mode=form&id=f7b278fd49ff39fa51580f68b40c6142&tab=core&_cvview=1

Future of Work at the Human-Technology Frontier: Advancing Cognitive and Physical Capabilities

National Science Foundation (NSF)

Due Date: Letters of Intent 4/16/2018; Full Proposals 6/4/2018

The landscape of jobs and work is changing at unprecedented speed, driven by the development of new technologies that have moved from the factory floor to an expanding array of knowledge and service occupations. These changes promise benefits to the Nation in the creation of new industries and occupations, increased productivity, opportunity for innovation, and sustained global leadership. But there are risks as well. Technological advances scale back the need for some workers, and in some cases, eliminate job sectors, with consequences to displaced workers who must adapt to emerging new technologies and the changing economy through retraining and reskilling. The Future of Work at the Human-Technology Frontier (FW-HTF) is one of 10 new and far-sighted Big Ideas for Future Investments announced by NSF in 2016. NSF aims to respond to the challenges and opportunities of the changing landscape of jobs and work by supporting convergent research to: understand and develop the human-technology partnership; design new technologies to augment human performance; illuminate the emerging socio-technological landscape and understand the risks and benefits of new technologies; and foster lifelong and pervasive learning with technology. In order to be nimble and responsive to new opportunities and challenges as they are recognized, focus areas for the FW-HTF solicitation, the centerpiece of the FW-HTF Big Idea, may change from year to year. This solicitation focuses on advancing cognitive and physical capabilities in the context of human-technology interactions. The solicitation will support two themes: Theme 1 will focus on Foundations for Augmenting Human Cognition and Theme 2 will focus on Embodied Intelligent Cognitive Assistants. In shaping projects responsive to these two themes, PIs consider the importance of understanding, anticipating, and

shaping the larger implications at the individual, institutional, corporate, and national levels, including issues arising from the needs or consequences for training and education. In addition, projects should be framed in terms of their focus on the potential contribution toward (a) transforming the frontiers of science and technology for human performance augmentation and workplace skill acquisition; (b) improving both worker quality of life and employer financial metrics; (c) enhancing the economic and social well-being of the country; and (d) addressing societal needs through research on learning and instruction in the context of augmentation. Projects must include a Collaboration Plan which outlines the way in which the project will leverage and integrate multiple disciplinary perspectives. **NSF 18-548**

- URL: <https://www.nsf.gov/pubs/2018/nsf18548/nsf18548.htm>

Breakthrough Prize in Fundamental Physics, Life Sciences and Mathematics

Breakthrough Prize Foundation

Due Date: 4/30/2018

The Breakthrough Prize in Fundamental Physics was founded in 2012 by Yuri Milner to recognize those individuals who have made profound contributions to human knowledge. It is open to all physicists -- theoretical, mathematical, experimental -- working on the deepest mysteries of the Universe.

- URL: <https://breakthroughprize.org/Prizes/1>

Energy Systems Integration Facility (ESIF) Call for High-Impact Integrated Projects

U.S. Department of Energy (DoE) - National Renewable Energy Laboratory (NREL)

Due Date: 5/7/2018

Notice seeking applications for potential high-impact projects to be conducted in the ESIF that will accelerate innovation in the private sector and develop scalable technologies that satisfy the goals of the U.S. DOE Grid Modernization Initiative. **ESIF_HIGH_IMPACT_INTEGRATED_PROJECTS**

- URL: <https://www.fbo.gov/index?s=opportunity&mode=form&id=9fb62e807c5a80458f7f7aec948b310d&tab=core&cvview=0>

Grants

United Engineering Foundation (UEF)

Due Date: Concept Papers 6/1/2018; Full Proposals 8/1/2018

The foundation advances the engineering arts and sciences for the welfare of humanity. It supports engineering and education by, among other means, making grants. Grants should be consistent with advancing engineering. The UEF Board of Trustees evaluates and judges proposals in view of the UEF mission, the perceived ability of the proposal and proposer(s) to further that mission, and the available funding.

While all proposals meeting established deadlines and page requirements will be considered, certain UEF preferences should be understood by proposers:

- Broad-based, interdisciplinary proposals that further the engineering profession as a whole are preferred.
 - Multiple-year proposals are welcome, but funding is awarded for a single year only. Proposals for subsequent years follow procedures identical to that of single-year proposals. No commitment for funding of subsequent years of a multiple-year project should be inferred from funding of a prior year.
 - Projects that are outside "business as usual" of the proposing organization are preferred.
 - Technical research proposals and proposals by individuals are seldom accepted.
- URL: <https://www.uefoundation.org/uef-grants-program/>

Planning Grants for Engineering Research Centers (ERC)

National Science Foundation (NSF)

Due Date: 6/6/2018

The ERC program is placing greater emphasis on research that leads to societal impact, including convergent approaches, engaging stakeholder communities, and strengthening team formation, in response to the NASEM study recommendations. The ERC program intends to support planning activities leading to convergent research team formation and capacity-building within the engineering community. This planning grant pilot initiative is designed to foster and facilitate the engineering community's thinking about how to form convergent research collaborations. To participate in the upcoming ERC competition, one is not required to submit a planning grant proposal nor to receive a planning grant. **NSF 18-549**

- URL: <https://www.nsf.gov/pubs/2018/nsf18549/nsf18549.htm>



Small Business Innovation Research Program Phase I (SBIR)

National Science Foundation (NSF)

Due Date: 6/14/2018

The NSF SBIR program focuses on transforming scientific discovery into products and services with commercial potential and/or societal benefit. Unlike fundamental research, the NSF SBIR program supports startups and small businesses in the creation of innovative, disruptive technologies, getting discoveries out of the lab and into the market. The NSF SBIR Program funds early or "seed" stage research and development. The program is designed to provide equity-free funding and entrepreneurial support at the earliest stages of company and technology development. The SBIR program is Congressionally mandated and intended to support scientific excellence and technological innovation through the investment of federal research funds to build a strong national economy by stimulating technological innovation in the private sector; strengthening the role of small business in meeting federal research and development needs; increasing the commercial application of federally supported research results; and fostering and encouraging participation by socially and economically disadvantaged and women-owned small businesses. The SBIR program at NSF solicits proposals from the small business sector consistent with NSF's mission to promote the progress of science; to advance the national health, prosperity, and welfare; and to secure the national defense. **NSF 18-550**

- URL: <https://www.nsf.gov/pubs/2018/nsf18550/nsf18550.htm>

Small Business Technology Transfer Program Phase I Solicitation (STTR)

National Science Foundation (NSF)

Due Date: 6/14/2018

The NSF STTR program focuses on transforming scientific discovery into products and services with commercial potential and/or societal benefit. Unlike fundamental research, the NSF STTR program supports startups and small businesses in the creation of innovative, disruptive technologies, getting discoveries out of the lab and into the market. The NSF STTR Program funds early or "seed" stage research and development. The program is designed to provide equity-free funding and entrepreneurial support at the earliest stages of company and technology development. The STTR program is Congressionally mandated and intended to support scientific excellence and technological innovation through the investment of federal research funds to build a strong national economy by stimulating technological innovation in the private sector; strengthening the role of small business in meeting federal research and development needs; increasing the commercial application of federally supported research results; and fostering and encouraging participation by socially and economically disadvantaged and women-owned small businesses. The STTR program at NSF solicits proposals from

the small business sector consistent with NSF's mission to promote the progress of science; to advance the national health, prosperity, and welfare; and to secure the national defense. Because the program has no topical or procurement focus, the NSF offers very broad solicitation topics that are intended to permit as many eligible science- and technology-based small businesses as possible to compete for funding. The topics are detailed on the website. In many cases, the program is also open to proposals focusing on technical and market areas not explicitly noted in the aforementioned topics. **NSF 18-551**

- URL: <https://www.nsf.gov/pubs/2018/nsf18551/nsf18551.htm>

HEALTH, LIFE & EARTH SCIENCES

NIDCD Research Dissertation Fellowship for Au.D. Audiologists (F32)

National Institutes of Health (NIH) - National Institute on Deafness and Other Communication Disorders (NIDCD)

Due Date: 4/8/2018, 8/8/2018, 12/8/2018 (Standard NIH due dates apply)

The purpose of the NIDCD Research Dissertation Fellowship for Au.D. Audiologists (F32) program is to support a comprehensive, rigorous biomedical research training, and dissertation research leading to a research doctorate (i.e., Ph.D.) in the biomedical, behavioral, or clinical sciences. This Funding Opportunity Announcement (FOA) does not allow applicants to propose to lead an independent clinical trial, but does allow applicants to propose research experience in a clinical trial led by a sponsor or co-sponsor. **PAR-18-700**

- URL: <https://grants.nih.gov/grants/guide/pa-files/PA-18-700.html>

General Research Grants

March of Dimes Birth Defects Foundation

Due Date: Letters of Intent 5/15/2018; Applications 9/21/2018

March of Dimes leads the fight for the health of all moms and babies. We invite qualified scientists with faculty appointments or the equivalent, at universities, hospitals, and research institutions (not for profit or profit) to submit applications for the 2019 grant cycle.

Topics must fall within five research priorities:

- Major challenges of premature babies: Necrotizing Enterocolitis, Respiratory Distress Syndrome, and Retinopathy of Prematurity
- Biological mechanisms underlying the high incidence of preterm birth in African American women
- Genome targeted therapeutics to treat birth defects
- Effect of anesthesia in the late fetus or newborn on neurologic development
- Preventing and treating chromosomal and structural abnormalities

- URL: <https://www.marchofdimes.org/research/research-grants.aspx#>

ROSES 2018: Heliophysics Technology and Instrument Development for Science

National Aeronautics and Space Administration (NASA) - Science Mission Directorate (SMD)

Due Date: Step-1 Proposals 5/18/2018; Step-2 Proposals 7/20/2018

The Heliophysics Technology and Instrument Development for Science (H-TIDeS) program combines technology elements previously separated within the old Solar, Heliosphere, Magnetosphere, and ITM (ionosphere-thermosphere-mesosphere) Science Supporting Research and Technology programs. H-TIDeS seeks to advance the development of technologies and their application to enable investigation of key heliophysics science questions. This is done through incubating innovative concepts, development of prototype technologies, and demonstration in a relevant environment.
NH18ZDA001N-HTIDS

- URL: <https://nspires.nasaprs.com/external/solicitations/summary/init.do?sollid={6E41ECA2-5C77-714D-7339-A2FED7C66397}&path=open>

Earthquake Hazards External Grants Program

U.S. Dept. of the Interior (DOI) - U.S. Geological Survey (USGS) - National Earthquake Hazards Reduction Program (NEHRP)

Due Date: 5/22/2018

The USGS Earthquake Hazards Program (EHP) issues this annual Announcement for assistance to support research in earthquake hazards, the physics of earthquakes, earthquake occurrence, and earthquake safety policy and address the Department of Interior's Secretarial priorities. This activity is authorized by the Earthquake Hazards Reduction Act of 1977 (Public Law 95-124, 42 U.S.C. 7701 et. seq.), as amended by Public Laws 101-614, 105-47, 106-503, and 108-360. **G18AS00021**

- URL: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=301933>

Nursing Education Scholarship Awards

National League for Nursing - NLN Foundation for Nursing Education

Due Date: 5/24/2018

The program supports the goal of attracting more seasoned and ethnically diverse nurses to become nurse educators. The goal of the scholarship is to increase the number and ethnicity of full-time faculty.

- URL: <http://www.nln.org/foundation/overview/foundation-for-nursing-education-scholarship-awards>

The Application of Big Data Analytics to Drug Abuse Research (R01 Clinical Trial Optional)

National Institutes of Health (NIH) - National Institute on Drug Abuse (NIDA)

Due Date: 6/5/2018, 10/5/2018, 2/5/2019 (Optional LOIs are due 30 days prior to the application due dates - standard NIH due dates apply)

The purpose of this FOA is to encourage the application of Big Data analytics to reveal deeper or novel insights into the biological and behavioral processes associated with substance abuse and addiction. NIDA recognizes that to accelerate progress toward understanding how the human brain and behavior is altered by chronic drug use and addiction, it is vital to develop more powerful analytical methods and visualization tools that can help capture the richness of data being generated from genetic, epigenetic, molecular, proteomic, metabolomic, brain-imaging, micro-electrode, behavioral, clinical, social, services, environmental studies as well as data generated from electronic health records. Applications for this FOA should develop and/or utilize computational approaches for analyzing large, complex datasets acquired from drug addiction research. The rapid increase of technologies to acquire

unprecedented amounts of neurobiological and behavioral data, and an expanding capacity to store those data, results in great opportunity to bring to bear the power of the computational methods of Big Data analytics on drug abuse and addiction. **PA-18-057**

- URL: <https://grants.nih.gov/grants/guide/pa-files/PA-18-057.html>

Research Opportunities in Space and Earth Sciences (ROSES) - New Frontiers Data Analysis Program

National Aeronautics and Space Administration (NASA) - Science Mission Directorate (SMD)

Due Date: Step-1 Proposals 6/12/2018; Step-2 Proposals 8/23/2018

The objective of the New Frontiers Data Analysis Program (NFDAP) is to enhance the scientific return from New Frontiers missions by broadening scientific participation in the analysis and interpretation of data returned by these missions. Other mission and non-mission data sets may be used to supplement these data in a supporting role, but all proposals require the use of data from at least one New Frontiers mission. This program solicits research proposals to conduct scientific investigations utilizing or enhancing the utilization of data obtained by the New Frontiers missions. For the purposes of this solicitation, "data" is understood to include both uncalibrated and calibrated data as well as higher-order data products produced from the mission data. Science investigations may include the use of spacecraft data not supported by a separate Planetary Science Division Data Analysis Program, specifically those datasets archived at the Planetary Data System and certified at least 30 days prior to the Step 2 deadline. **NNH18ZDA001N-NFDAP**

- URL: <https://nspires.nasaprs.com/external/solicitations/summary/init.do?solId={E8105664-4EB8-70E8-FEFB-A23972670A58}&path=open>

CubeSat-based Science Missions for Geospace and Atmospheric Research

National Science Foundation (NSF)

Due Date: 6/13/2018

Lack of essential observations from space is currently a major limiting factor in many areas of geospace and atmospheric research. Recent advances in sensor and spacecraft technologies make it feasible to obtain key measurements from low-cost, small satellite missions. A particularly promising aspect of this development is the prospect for obtaining multi-point observations in space that are critical for addressing many outstanding problems in space and atmospheric sciences. Space-based measurements from small satellites also have great potential to advance discovery and understanding in geospace and atmospheric sciences in many other ways. To take full advantage of these

developments, NSF is soliciting research proposals centered on small satellite missions. The overarching goal of the program is to support the development, construction, launch, operation, and data analysis of small satellite science missions to advance geospace and atmospheric research. Equally important, it will provide essential opportunities to train the next generation of experimental space scientists and aerospace engineers. To facilitate launch of the satellites as secondary payloads on existing missions, the focus of the program is on CubeSat-based satellites. Launch of the satellites will mainly be through the standardized CubeSat deployment system, the Poly Picosatellite Orbital Deployer (P-POD). Launch of the P-PODS will be as auxiliary payloads on DOD, NASA, or commercial launches. This will be arranged after selection and is not part of this solicitation. This solicitation covers proposals for science missions to include satellite development, construction, testing and operation as well as data distribution and scientific analysis. **NSF 18-553**

- URL: <https://www.nsf.gov/pubs/2018/nsf18553/nsf18553.htm>

ROSES 2018: Topical Workshops, Symposia, and Conferences

National Aeronautics and Space Administration (NASA) - Science Mission Directorate (SMD)

Due Date: Rolling Submissions through 3/29/2019

In order to address its strategic goals and objectives, the Science Mission Directorate (SMD) acknowledges the need to bring together members of scientific communities relevant to NASA in order to encourage and facilitate the use of mission data, increase the efficiency of investigators through the open exchange of ideas, and expose investigators to new subject areas. This program element solicits proposals for topical workshops, symposia, conferences, and other scientific/technical meetings (herein referred to as "events") that advance the goals and objectives of only the following SMD Divisions: Earth Science, Heliophysics, and Planetary Science. **NNH18ZDA001N-TWSC**

- URL: <https://nspires.nasaprs.com/external/solicitations/summary/init.do?solId={DA995583-5342-7497-1A9C-7DF8A7CE6E27}&path=open>

NEW FACULTY/INVESTIGATOR

Cottrell Scholars Awards

Research Corporation for Science Advancement (RCSA)

Due Date: Preliminary Proposals 5/1/2018; Proposals 7/20/2018

The Cottrell Scholar Award develops outstanding teacher-scholars who are recognized by their scientific communities for the quality and innovation of their research programs and their academic leadership skills. The Cottrell Scholar Award provides entry into a national community of outstanding scholar-educators who produce significant research and educational outcomes.

- URL: <http://rescorp.org/cottrell-scholars/cottrell-scholar-award/deadlines>

Air Force Fiscal Year Young Investigator Research Program (YIP)

United States Department of Defense (DOD) - Department of the Air Force (USAF) - Air Force Office of Scientific Research (AFOSR)

Due Date: 6/1/2018

The Fiscal Year 2019 Air Force Young Investigator Research Program (YIP) intends support young in career scientists and engineers who have received Ph.D. or equivalent degrees by 1 April 2012 or later showing exceptional ability and promise for conducting basic research. The program objective is to foster creative basic research in science and engineering; enhance early career development of outstanding young investigators; and increase opportunities for the young investigator to recognize the Air Force mission and related challenges in science and engineering. Individual awards are made to U.S. institutions of higher education, industrial laboratories, or non-profit research organizations where the principal investigator (PI) is employed on a full-time basis and holds a regular position. YIP PIs must be a U.S. citizen, national, or permanent resident. Researchers working at a Federally Funded Research and Development Center or DoD Laboratory are not eligible for this competition. **FA9550-18-S-0002**

- URL: <https://www.grants.gov/custom/viewOppDetails.jsp?oppld=301416>

SOCIAL & BEHAVIORAL SCIENCES

Army Research Institute for the Behavioral and Social Sciences Broad Agency Announcement for Basic Scientific Research

U.S. Department of the Army – Materiel Command

Due Date: Optional White Papers 4/4/2018; Applications 6/15/2018

Notice seeking applications supporting research projects that are designed to expand fundamental knowledge and discover general principles in the behavioral and social sciences, especially novel, state-of-the-art, and multidisciplinary approaches that address difficult problems. Proposals may address both traditional behavioral issues as well as psychophysiological (to include neuroscience) and network science approaches to social phenomena, memory, cognition, and personality. Broad focus areas include: Personnel Testing and Performance; Leader Development; Organizational Effectiveness; Learning in Formal and Informal Environments; Culture. Funds support Standard Basic Research proposals and Early Career Basic Research proposals. **W911NF-18-S-0001**

- URL: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=301433>

Innovations in Community-Based Crime Reduction Program

U.S. Dept. of Justice (DOJ) - Office of Justice Programs (OJP) - Bureau of Justice Assistance (BJA)

Due Date: 4/29/2018

The U.S. Department of Justice (DOJ), Office of Justice Programs (OJP) Bureau of Justice Assistance (BJA) is seeking applications for the Innovations in Community-Based Crime Reduction Program (CBCR). This program furthers the Department's mission by leading efforts to enhance the capacity of local and tribal communities to effectively target and address significant and violent crime issues in distressed, high-crime neighborhoods through collaborative cross-sector approaches that are linked with broader neighborhood development goals. The CBCR program is part of the Project Safe Neighborhoods Suite of programs, which is focused on reducing violent crime. **BJA-2018-13609**

- URL: <https://www.grants.gov/custom/viewOppDetails.jsp?oppld=301579>

NIJ FY18 Programs and Services for Victims of Crime: Phased Evaluation Research

U.S. Dept. of Justice (DOJ) - Office of Justice Programs (OJP) - National Institute of Justice (NIJ)

Due Date: 5/4/2018

NIJ is seeking applications for rigorous program evaluation of specific services for victims of crime including housing, legal assistance, and technology-based services. This solicitation is for a planning phase not to exceed a 24 month period of performance. **NIJ-2018-14060**

- URL: <https://www.grants.gov/custom/viewOppDetails.jsp?oppld=301235>

Research and Evaluation on Decision-making, Fiscal Year 2018

U.S. Dept. of Justice (DoJ) – Office of Justice Programs (OJP) - National Institute of Justice (NIJ)

Due Date: 5/7/2018

With this solicitation, NIJ seeks proposals for funding for research and evaluation projects to help identify the trait factors and state factors of individual law enforcement officers that may reliably explain their decision-making during encounters with the public. NIJ is interested in identifying those factors tending to lead to successful encounter outcomes; as well as those tending to lead to unsuccessful outcomes. NIJ is also interested in understanding how these factors may lead to different outcomes based on the type of encounter, including understanding how the importance of individual differences in trait and state factors may vary based on the frequency, risk, and reason for an encounter with the public. NIJ is most interested in proposals for research and evaluation projects that address a wide range of potential encounter scenarios. Potential scenarios include: low-frequency, high-risk encounters, such as responding to an active shooter event or making an arrest; high-frequency, low-risk consensual encounters, such as responding to a request for information; and encounters pursuant to an investigation, which may or may not be consensual. **NIJ-2018-14065**

- URL: <https://nij.gov/funding/Documents/solicitations/NIJ-2018-14065.pdf>

Research, Development, and Evaluation of Technologies to Improve School Safety

U.S. Dept. of Justice (DOJ) - Office of Justice Programs (OJP) - National Institute of Justice (NIJ)

Due Date: 5/10/2018

The U.S. Department of Justice (DOJ), Office of Justice Programs (OJP), National Institute of Justice (NIJ) is seeking applications for funding to support projects to demonstrate and evaluate the application of technologies to improve school safety. This solicitation is part of the Comprehensive School Safety Initiative (CSSI). This program furthers the Department's mission by funding rigorous research to produce practical knowledge and tools that can improve the safety of schools and students. The initiative is carried out through partnerships between researchers, educators, and other stakeholders, including law enforcement, behavioral and mental health professionals, courts, and other justice system professionals. Projects funded under the CSSI are designed to produce knowledge and tools that can be applied to schools and school districts across the nation, for years to come. This solicitation is intended to build on that prior work funded by NIJ and to complement existing school safety technology research and development funded by NIJ.5 It seeks to (1) produce rigorous, objective information about school safety technology to address the gaps in the evidence base noted in the aforementioned reports; and (2) to foster the development, demonstration, and rigorous evaluation of new and innovative tools with attention to effectiveness and potential unintended negative consequences informed by those two reports. **NIJ-2018-14054**

- URL: <https://www.grants.gov/custom/viewOppDetails.jsp?oppld=301556>

Research and Evaluation in Safety, Health, and Wellness in the Criminal Justice System

U.S. Dept. of Justice (DOJ) - Office of Justice Programs (OJP) - National Institute of Justice (NIJ)

Due Date: 5/14/2018

With this solicitation, NIJ seeks applications for funding of multidisciplinary research projects addressing four topics:

- 1) The impact of fatigue and stress on officer performance.
- 2) The impact of occupational prestige and job satisfaction on officer stress resilience.
- 3) Enhancing strategies for officer interaction with mentally ill individuals.
- 4) Reducing traffic-related officer fatalities and injuries through technology enhancement and policy.

This solicitation supports the U.S. Department of Justice's priority of protecting officers and other public safety personnel. This solicitation also supports the following three objectives of the NIJ Safety, Health, and Wellness Strategic Research Plan 2016-2021 (August 2016):

- 1) Objective I.1: Promote vehicular and traffic safety for officers.

2) Objective I.3: Develop policies, strategies, and technologies to promote safety in criminal justice interactions with the public.

3) Objective II.1: Promote research to improve the physical and mental health of individuals working in the criminal justice system.

NIJ-2018-14100

- URL: <https://www.grants.gov/custom/viewOppDetails.jsp?oppld=301704>

Archaeology and Archaeometry

National Science Foundation (NSF)

Due Date: Doctoral Dissertation Research – 7/2/2018; Archaeometry – 12/3/2018; Senior Archaeology – 7/1/2018, 12/20/2018

The goal of the Archaeology Program is to fund research which furthers anthropologically relevant archaeological knowledge. In accordance with the National Science Foundation's mission such research has the potential to provide fundamental scientific insight. While within the broad range of "archaeology" the focus is on projects judged to be significant from an anthropological perspective, the Program sets no priorities based on time period, geographic region or specific research topic. The Program administers four competitions each of which is described below. It also supports projects submitted under NSF-wide competition guidelines. These include CAREER, EAGER, RAPID and Research Experiences for Undergraduates Supplement requests. **PD 98-1391**

Doctoral Dissertation Research Improvement Awards (DDRI)

For a detailed description of the Archaeology Program DDRI competition, see Solicitation **NSF 14-566** which can be accessed via the Archaeology DDRI web site. It contains additional rules not presented in this synopsis. The DDRI competition provides funds to permit graduate students enrolled in US universities to conduct dissertation research. The student need not be a US citizen or national. While the student writes the proposal and conducts/supervises the research, the dissertation advisor serves as the Principal Investigator and the student is listed as the co-PI. Both field and non-field projects are funded.

Senior Archaeological Research

The Archaeology Program holds a twice yearly competition to provide support for senior investigator archaeological research.

Archaeometry Research Awards

The Archaeology Program administers an annual "archaeometry" competition with a target date of December 1. The goal is to fund projects either to develop/refine anthropologically relevant archaeometric techniques and/or support laboratories which provide relevant services. Examples of the former include the development of methods to identify specific types of organic residues on

ceramics and sample pre-treatment techniques for radiocarbon analysis. Service laboratories which, for example provide trace element, isotopic and dendrochronological analyses illustrate the latter. Projects which apply standard archaeometric techniques with the goal to answer specific archaeological questions should be submitted to the "senior" archaeology competition.

- URL: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=11690

STUDENTS

Student Research Grant in Audiology

American Speech-Language-Hearing Association (ASHA) - American Speech-Language-Hearing Foundation (ASHFoundation)

Due Date: 5/23/2018

The foundation invites doctoral students to compete for the Student Research Grant in Audiology, supported by the Ira M. Ventry and Brad Friedrich Memorial Funds and general contributions to the annual fund. Proposals must be for research to be initiated in the area of clinical and/or rehabilitative audiology.

- URL: <https://www.ashfoundation.org/Apply/Student-Research-Grant-in-Audiology/>