

Office of Sponsored Programs and Research Funding Announcements

March 8, 2018

The Office of Sponsored Programs and Research (OSPR) is pleased to provide the following information about available funding opportunities. This bulletin is not meant to be a one-stop shop for funding sources; rather, it represents a selection of current funding opportunities that may be of interest to faculty, administrators, and staff at Midwestern State University. The program title hyperlink* will direct you to the complete opportunity listing on SPIN if you are on a campus network computer. The program URL link will direct you to the program sponsor from any internet connected device.

* If the program title link opens the main SPIN search page instead of the program-specific page, leave the SPIN search window open and click the link a second time. This should direct you to the correct page.

How to Apply

If you are interested in applying for these or any other grants, please

- Submit a <u>Notice of Intent to Apply Form</u> to OSPR at least 30 days before the deadline, and
- Submit a <u>Proposal Review and Endorsement Form</u> with the completed application at least 5 business days before the deadline.
- You can find forms and other helpful grant development resources on the <u>Forms and Templates</u> page of the <u>OSPR website</u>. If you have any questions, please contact research administrator Brittany Norman at ext. 4714 or <u>sponsoredprograms@mwsu.edu</u>.

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Arts, Humanities, and Social Sciences

Program Title: NEH Fellowships

Sponsor: National Endowment for the Humanities

Program URL: Click the Program Title link; there is no SPIN link for this program.

Funding Opportunity Number: Will be updated at least two months before the deadline

Application Deadline: 11-Apr-2018

Fellowships support individuals pursuing advanced research that is of value to humanities scholars, general audiences, or both. Recipients usually produce articles, monographs, books, digital materials, archaeological site reports, translations, editions, or other scholarly resources in the humanities.

Program Title: NEH-Mellon Fellowships for Digital Publication

Sponsor: National Endowment for the Humanities

Program URL: Click the Program Title link; there is no SPIN link for this program.

Funding Opportunity Number: Will be updated at least two months before the deadline

Application Deadline: 11-Apr-2018

Through NEH-Mellon Fellowships for Digital Publication, the National Endowment for the Humanities and The Andrew W. Mellon Foundation jointly support individual scholars pursuing interpretive research projects that require digital expression and digital publication. To be eligible for this special opportunity, an applicant's plans for digital publication must be essential to the project's research goals. That is, the project must be conceived as digital because the nature of the research and the topics being addressed demand presentation beyond traditional print publication. Successful projects will likely incorporate visual, audio, and/or other multimedia materials or flexible reading pathways that could not be included in traditionally published books, as well as an active distribution plan.

All projects must be interpretive. That is, projects must advance a scholarly argument through digital means and tools. Stand-alone databases and other projects that lack an interpretive argument are not eligible.

Program Title: Boston Athenaeum Fellowships

Sponsor: Boston Athenæum

Program URL: http://www.bostonathenaeum.org/library/fellowships

Application Deadline: 15-Apr-2018

The Boston Athenæum offers short-term fellowships to support the use of Athenæum collections for research, publication, curriculum and program development, or other creative projects. Each of the following fellowships pays a stipend for a residency of twenty days (four weeks) and includes a year's membership to the Boston Athenæum.

OSPR Bulletin

New Opportunity

Program Title: Journalism Education Grants

Sponsor: Ethics and Excellence in Journalism Education Foundation
 Program URL: http://inasmuchfoundation.org/journalism-foundation/
 Application Deadline: 15-May-2018 [Letter of Intent]; Next deadline: 15-Nov-2018. *Note: MSU may only submit one application per year to this program.

The mission of Ethics and Excellence in Journalism Foundation is to invest in the future of journalism by building the ethics, skills, and opportunities needed to advance principled,

probing news and information now and for the future. The foundation makes grants to

journalism schools and other nonprofit organizations focused on the news media.

The four program areas for the foundation are: Investigative Reporting, Professional Development, Oklahoma Journalism, and Special Opportunities. Investigative Reporting and Professional Development programs are supported through programs at nonprofit and educational institutions. Special Opportunities are grants provided for innovative projects that address an emerging need in journalism. Special preference is given to programs focusing on ethics and news media.

Program Title: Art Scholarship, Research, Conservation, and Exhibition Grants

Sponsor: Wyeth Foundation for American Art

Program URL: See Program Title link; there is no SPIN link for this opportunity. **Application Deadline:** 15-Aug-2018

The Wyeth Foundation for American Art provides financial support to encourage the study, appreciation, and recognition of excellence in all aspects of historic American art. The foundation provides grants for selected programs of scholarship, research, conservation, and exhibition with institutions and other nonprofit organizations. The fundamental strategy is to fund programs that serve as catalysts to achieve greater recognition and understanding of excellence in American art. Current funding priorities include important predoctoral fellowships, educational activities, and research pertaining to American art and American painting. The foundation also supports publications focusing on American art, particularly first-time publications by young scholars and educators; innovative exhibitions; conservation and restoration of American masterpieces; and preservation of former homes and studios of important American artists. Awards typically range from \$5,000 to \$25,000 per project.

Program Title: <u>NEA Art Works II FY 2019</u>

Sponsor: National Endowment for the Arts/National Fndn. on the Arts & Humanities **Program URL:** <u>https://www.arts.gov/grants-organizations/art-works</u>

Funding Opportunity Number: 2018NEA01AW1

Application Deadline: 12-Jul-2018

The sponsor supports public engagement with, and access to, various forms of excellent art across the nation, the creation of art that meets the highest standards of excellence, learning in the arts at all stages of life, and the integration of the arts into the fabric of community life. Projects may be large or small, existing or new, and may take place in any part of the nation.

Program Title: Sociology (SBE--SES)

Sponsor: Directorate for Social, Behavioral and Economic Sciences/NSF Program URL: <u>https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5369</u> Funding Opportunity Number: PD-98-1331 Application Deadline: 15-Aug-2018

The Sociology Program supports basic research on all forms of human social organization -societies, institutions, groups and demography -- and processes of individual and institutional change. The Program encourages theoretically focused empirical investigations aimed at

improving the explanation of fundamental social processes. Included is research on

organizations and organizational behavior, population dynamics, social movements, social groups, labor force participation, stratification and mobility, family, social networks, socialization, gender roles, and the sociology of science and technology. The Program supports both original data collections and secondary data analysis that use the full range of quantitative and qualitative methodological tools. Theoretically grounded projects that offer methodological innovations and improvements for data collection and analysis are also welcomed.

Program Title: Political Science

Sponsor: Directorate for Social, Behavioral and Economic Sciences/NSF Program URL: <u>http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5418</u> Funding Opportunity Number: PD-98-1371

Application Date: 15-Aug-2018

The Political Science Program supports scientific research that advances knowledge and understanding of citizenship, government, and politics. Research proposals are expected to be theoretically motivated, conceptually precise, methodologically rigorous, and empirically oriented. Substantive areas include, but are not limited to, American government and politics, comparative government and politics, international relations, political behavior, political economy, and political institutions.

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Business Administration

Program Title: Visiting Research Fellowships

Sponsor: American Institute for Economic Research

Program URL: See Program Title link; no SPIN link for this opportunity

Application Deadline: 1-May-2018

American Institute for Economic Research (AIER) offers Visiting Research Fellowships to social science researchers trained in economics and allied disciplines. AIER's general areas of research interest are behavioral economics, business cycles, small business, education, and money and banking. Visiting Research Fellows (VRF) are required to contribute to this research agenda through research that yields results of practical significance and use to ordinary people. Fellowships generally run between one and three months and may start at any mutually agreed time, based on the three application deadlines per year. VRFs work on the AIER campus in Great Barrington, Massachusetts, and receive campus housing as part of the fellowship.

In particular, AIER is interested in research in the areas of macroeconomics (business cycles, industrial competitiveness, or technology and innovation); personal finance and behavioral economics; housing finance; education and careers (decision-making at the household level, such as career choice, career development, investments in education, training); and small-business economics (start-up decision, evaluation of alternative investments, collaborative and cooperative arrangements for reducing small business costs, and uses of credit and debt).

Program Title: Farmers Market Promotion Program

Sponsor: USDA/Agricultural Marketing Service Program URL: https://www.ams.usda.gov/services/grants/fmpp

Funding Opportunity Number: USDA-AMS-TM-FMPP-G-18-0002

Application Deadline: 7-May-2018

The purpose of the Farmers Market Promotion Program (FMPP) is to increase domestic consumption of, and access to, locally and regionally produced agricultural products, and to develop new market opportunities for farm and ranch operations serving local markets by developing, improving, expanding, and providing outreach, training, and technical assistance to, or assisting in the development, improvement, and expansion of, domestic farmers markets, roadside stands, community-supported agriculture programs, agritourism activities, and other direct producer-to-consumer market opportunities.

Program Title: Federal-State Marketing Improvement Program Sponsor: USDA/Agricultural Marketing Service Program URL: <u>https://www.ams.usda.gov/services/grants/fsmip</u> Funding Opportunity Number: USDA-AMS-TM-FSMIP-G-18-0004 Application Deadline: 7-May-2018

FSMIP provides matching funds on a competitive basis to assist eligible entities explore new market opportunities and to encourage research and innovation aimed at improving the efficiency and performance of the U.S. agricultural marketing system. The allocation for grants is approximately \$1 million. Proposals may focus on addressing barriers, overcoming challenges or realizing opportunities manifesting at any stage of the marketing chain including direct, wholesale, and retail. Proposals must have a strong marketing focus, must involve research, and the primary beneficiaries must be agricultural producers and agribusinesses. Proposals that involve training or education programs must include a research component that tests the effects of the program on the marketing goals. Proposals may involve small, medium or large scale agricultural entities but should benefit multiple producers or agribusinesses. Proposals that benefit one agribusiness or individual will not be considered. Proposals that address issues of importance at the State, multi-State, or national level are appropriate for FSMIP. Of particular interest are proposals that reflect a collaborative approach between the States, academia, the farm sector and other appropriate entities and stakeholders. FSMIP will also consider unique proposals on a smaller scale that may serve as pilot projects or case studies useful as models for others. Such proposals should include an objective to analyze opportunities and formulate recommendations with regard to how the project could be scaled up or expanded to other regions. FSMIP will hold a teleconference to review the Request for Applications and answer questions on March 29, 2018 at 3:00 p.m. Eastern time. If you would like to participate in the

Program Title: Economics

Sponsor: NSF Division of Social and Economic Sciences Program URL: See program title link—there is no SPIN link for this opportunity Funding Opportunity Number: PD-98-1320 Application Deadline: 20-Aug-2018 The Economics program supports research designed to improve the understanding of the processes and institutions of the U.S. economy and of the world system of which it is a part. This program also strengthens both empirical and theoretical economic analysis as well as the methods for rigorous research on economic behavior. It supports research in almost every area

teleconference, please contact the Agency Contact to receive instructions.

of economics, including econometrics, economic history, environmental economics, finance, industrial organization, international economics, labor economics, macroeconomics, mathematical economics, and public finance.

New Opportunity

Program Title: Decision, Risk and Management Sciences (DRMS) Sponsor: Division of Social and Economic Sciences/NSF Program URL: See program title link; there is no SPIN link for this opportunity Funding Opportunity Number: PD 98-1321 Application Deadline: 20-Aug-2018 The Decision, Risk and Management Sciences program supports scientific research directed at increasing the understanding and effectiveness of decision making by individuals, groups, organizations, and society. Disciplinary and interdisciplinary research, doctoral dissertation research improvement grants (DDRIGs), and workshops are funded in the areas of judgment and decision making; decision analysis and decision aids; risk analysis, perception, and communication; societal and public policy decision making; management science and organizational design. Funded research must be grounded in theory and generalizable. Purely algorithmic management science proposals should be submitted to the Operations Engineering (OE) Program rather than to DRMS

Program Title: Grant Program (Investor Education)

Sponsor: FINRA Investor Education Foundation

Program URL: http://www.finrafoundation.org/grants/general/application/index.html

Application Date: N/A

The mission of the FINRA Investor Education Foundation is to provide underserved Americans with the knowledge, skills and tools necessary for financial success throughout life. The FINRA Foundation envisions a society characterized by universal financial literacy. The FINRA Foundation welcomes applications for projects that advance understanding of the relationships among financial literacy, financial capability and financial well-being.

Program Title: Grants Program (Equipment Finance)

Sponsor: Equipment Leasing and Finance Foundation

Program URL: <u>https://www.leasefoundation.org/academic-programs/grants-opportunities/application-procedure/</u>

Application Date: N/A

The Equipment Leasing & Finance Foundation awards research grants to industry consultants and academics in all fields of scholarship to study topics of interest to the equipment finance industry. They provide support for: research studies; booklets, pamphlets, and video productions; surveys, data-gathering, and statistical analyses; and, other initiatives on a case-by-case basis. Programs and projects should have the following characteristics: future focused, to align with the Foundation's mission; benefit a major segment of the equipment finance industry, e.g. small ticket, middle market, large ticket, etc.; broadly based in geographical appeal; contribute to the prosperity, vitality, and profitability of the industry; identify emerging issues and/or trends; include original research about the topic.

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Education

Program Title: Global Challenge: Education - Reinventing Teaching and School Leadership Sponsor: Misk Foundation

Program URL: http://miskgrandchallenges.org/education challenge.html

- Application Deadline: 14-May-2018
- The sponsor is looking for new innovative ideas that transform teaching or school leadership to
- better prepare children with the 21st century skills they need to succeed in the future. Modern
- New Opportunity 21st century skills, such as problem solving, leadership, creativity, and adaptability, require a new active, student-centred system for learning. The sponsor seeks ideas that better prepare teachers and school leaders to drive this new active 21st century system for learning.

Program Title: Lydia Donaldson Tutt-Jones Memorial Research Grant **Sponsor:** African American Success Foundation, Inc. **Program URL:** http://blacksuccessfoundation.org/grant-rules/ New Opportunity Application Deadline: 1-Jun-2018 This memorial research grant is named for Lydia Donaldson Tutt-Jones, an African American who recruited teachers from around the country to work with students in the Fort Lauderdale area public school system. This grant provides financial support to students and professionals who conduct research to study African American success, particularly in the area of education. It is offered to encourage the building of the science of African American success by studying those attitudes and behaviors that cause people to attain academic success.

Program Title: Student Achievement Grants

Sponsor: National Education Association

Program URL: http://www.neafoundation.org/pages/nea-student-achievement-grants/ Application Date: 01-Jun-2018

The NEA Foundation provides grants to improve the academic achievement of students in U.S. public schools and public higher education institutions in any subject area(s). The proposed work should engage students in critical thinking and problem solving that deepen their knowledge of standardsbased subject matter. The work should also improve students' habits of inquiry, self-directed learning, and critical reflection.

Program Title: Science of Learning (SL)

Sponsor: Directorate for Social, Behavioral and Economic Sciences/NSF Program URL: <u>https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5567</u> Funding Opportunity Number: PD-16-004Y Application Deadline: 11-Jul-2018

New **Opportunity**

The Science of Learning program supports potentially transformative basic research to advance the science of learning. The goals of the SL Program are to develop basic theoretical insights and fundamental knowledge about learning principles, processes and constraints. Projects that are integrative and/or interdisciplinary may be especially valuable in moving basic understanding of learning forward but research with a single discipline or methodology is also appropriate if it addresses basic scientific questions in learning. The possibility of developing connections between proposed research and specific scientific, technological, educational, and workforce challenges will be considered as valuable broader impacts, but are not necessarily central to the intellectual merit of proposed research. The program will support research addressing learning in a wide range of domains at one or more levels of analysis including: molecular/cellular mechanisms; brain systems; cognitive affective, and behavioral processes; and social/cultural influences. The program supports a variety of methods including: experiments, field studies, surveys, secondary-data analyses, and modeling.

Program Title: <u>Innovative Technology Experiences for Students and Teachers</u> Sponsor: Directorate for Education and Human Resources/NSF

Program URL: https://www.nsf.gov/pubs/2017/nsf17565/nsf17565.htm

Funding Opportunity Number: 17-565

Application Date: 08-Aug-2018

As the nation continues to expand the horizon of opportunities and possibilities through advances in science, technology, engineering and mathematics (STEM), the need for a more diverse and well-prepared STEM workforce is also expanding. The challenge of preparing citizens for the expanding workforce and the changing workplace environments calls for new innovations in STEM education. ITEST is a research and development program that supports projects to promote PreK-12 student interests and capacities to participate in the STEM and information and communications technology (ICT) workforce of the future. The ITEST program supports research on the design, development, implementation, and selective spread of innovative strategies for engaging students in technology-rich experiences that: increase student awareness of STEM occupations; motivate students to pursue appropriate education pathways to STEM occupations; or develop disciplinary-based knowledge and practices, or promote critical thinking, reasoning skills, or communication skills needed for entering STEM workforce sectors.

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Health Sciences and Human Services

Program Title: <u>https://spin.infoedglobal.com/Program/Detail/00484</u> Sponsor: The Josiah Macy Jr. Foundation Program URL: <u>http://macyfoundation.org/apply/board-grants</u> Application Deadline: N/A

The Josiah Macy Jr. Foundation seeks to broaden and improve health-care education in the

United States. The foundation makes Board Grants in the following areas:

• Demonstrating or encouraging interprofessional education and teamwork among health-care professionals.

- Providing new curriculum content for health professional education, including patient safety, quality improvement, systems performance, and professionalism.
- Developing new models for clinical education, including graduate medical education reform.
- Improving education for the care of underserved populations, with an emphasis on primary care.

• Increasing faculty skills in health professions education, with a special emphasis on the career development of underrepresented minorities.

Program Title: <u>Research and Evaluation on Decision-Making (Law Enforcement)</u> Sponsor: National Institute of Justice/Department of Justice Program URL: <u>https://nij.gov/funding/Documents/solicitations/NIJ-2018-14065.pdf</u> Funding Opportunity Number: NIJ-2017-11500

Application Deadline: 07-May-2018

This program seeks proposals for research and evaluation projects to identify the combination of attributes specific to the individual law enforcement officer that causes them to make the decisions governing their actions during encounters with the public. Specifically, NIJ is interested in identifying those combinations of attributes tending to lead to successful encounter outcomes; as well as those tending to lead to unsuccessful outcomes. NIJ is also interested in understanding how the outcomes associated with a specific combination of attributes may differ based on the type of encounter; including understanding how the importance of specific attributes may vary based on the type of encounter.

Program Title: Special Programme: Security, Society and the State

Sponsor: Henkel (Gerda) Foundation

Program URL: <u>https://www.gerda-henkel-stiftung.de/special_programme_security</u> (the site is in German, but there is an English translation button on the page) **Application Deadline:** 16-May-2018

As security-related issues, the fading role of the state and the gradual elimination of borders are central themes in both political and scholarly debates today. "Failing states" as a safe haven for terrorists, transnational organized crime, a loss of overall legitimacy, shrinking state authority in conflict-ridden regions are the relevant keywords in this context. There is good reason for a more fine-grained perspective, however. Current security issues are multi-faceted and dynamic, ranging from military protection to efficient public infrastructure and a viable social negotiation process. As a matter of fact, the state is not irrevocably losing ground in security-sensitive areas. In some areas of national and personal security, state authority and sound governmental practice are more important than ever. The "Security, Society and the State" research programme reflects these contradictory trends. It targets new security-related issues that are prime examples of the post-Cold-War era but have been largely neglected in mainstream research. The programme is intended to encourage junior scholars to pursue unconventional research agendas that are nonetheless crucial, while providing senior scholars with the opportunity to focus intensively on work in progress for a limited period. Moreover, the objective is to combine basic theoretical research with concepts that are applicable to presentday political issues of security policy.

Program Title: Smart and Connected Health

Sponsor: Directorate for Computer and Information Sciences and Engineering/NSF **Program URL:** <u>https://www.nsf.gov/pubs/2018/nsf18541/nsf18541.htm</u>

Funding Opportunity Number: 18-541

Application Deadline: 22-May-2018; next deadline: 11-Dec-2018

The goal of the interagency Smart and Connected Health (SCH): Connecting Data, People and Systems program is to accelerate the development and integration of innovative computer and information science and engineering approaches to support the transformation of health and medicine. Approaches that partner technology-based solutions with biomedical and biobehavioral research are supported by multiple agencies of the federal government including the National Science Foundation (NSF) and the National Institutes of Health (NIH). The purpose of this program is to develop next-generation multidisciplinary science that encourages existing and new research communities to focus on breakthrough ideas in a variety of areas of value to health, such as networking, pervasive computing, advanced analytics, sensor integration, privacy and security, modeling of socio-behavioral and cognitive processes and system and process modeling. Effective solutions must satisfy a multitude of constraints arising from clinical/medical needs, barriers to change, heterogeneity of data, semantic mismatch and limitations of current cyberphysical systems and an aging population. Such solutions demand multidisciplinary teams ready to address issues ranging from fundamental science and engineering to medical and public health practice. New **Opportunity**

Program Title: High-End Instrumentation (HEI) Grant Program

Sponsor: Office of Research Infrastructure Programs/NIH/DHHS

Program URL: https://grants.nih.gov/grants/guide/pa-files/PAR-18-598.html

Funding Opportunity Number: PAR-18-598

Application Deadline: 31-May-2018

Office of Research Infrastructure Programs (ORIP) and National Institute of General Medical Sciences (NIGMS) invite applications from groups of NIH-supported investigators to purchase or upgrade a single item of expensive, specialized, commercially available instruments or integrated systems. The minimum award is \$600,001. The maximum award is \$2,000,000. Types of instruments supported include, but are not limited to: X-ray diffraction systems, nuclear magnetic resonance (NMR) and mass spectrometers, DNA and protein sequencers, biosensors, electron and confocal microscopes, cell-sorters, and biomedical imagers. This FOA will use the NIH S10 Biomedical Research Support Shared Instrumentation Grants award mechanism.

Program Title: <u>NIH Science Education Partnership Award (SEPA)</u>
Sponsor: National Institute of General Medical Sciences/NIH/DHHS
Program URL: <u>https://grants.nih.gov/grants/guide/pa-files/PAR-17-339.html</u>
Funding Opportunity Number: PAR-17-339
Application Deadline: 09-Jun-2018 [LOI/Pre-App], 09-Jul-2019 [Full]
The over-arching goal of this NIGMS R25 program is to support educational activities that complement and/or enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs. To assure the vitality and continued productivity of the research enterprise, the NIGMS provides leadership in training the next generation of scientists, in enhancing the diversity of the scientific workforce and in developing research capacities throughout the country. The SEPA program supports P-12 and informal science education (ISE) activities that: (1) enhance the diversity of the biomedical, behavioral and clinical research workforce and (2) foster a better understanding of NIH-funded biomedical, behavioral and clinical research

Program Title: Education and Health: New Frontiers (R21) Clinical Trial Optional

Sponsor: Office of Behavioral and Social Sciences Research/NIH/DHHS

Program URL: https://grants.nih.gov/grants/guide/pa-files/PAR-18-362.html

Funding Opportunity Number: PAR-18-362

Application Deadline: 16-Jun-2018

National Institutes of Health (NIH) invites applications for research that will further elucidate the pathways involved in the relationship between education and health outcomes and in doing so to carefully identify the specific aspects and qualities of education that are responsible for this relationship and what the mediating factors are that affect the nature of the causal relationship. A better scientific understanding of the mechanisms linking education and health could lead to additional and improved prevention and therapeutic intervention strategies for important health problems.

Program Title: Law and Social Sciences

Sponsor: Directorate for Social, Behavioral and Economic Sciences/NSF Program URL: http://www.nsf.gov/pubs/2015/nsf15514/nsf15514.htm

Funding Opportunity Number: 15-514

Application Deadline: 01-Aug-2018

- The Law & Social Sciences Program considers proposals that address social scientific studies of law and law-like systems of rules. The Program is inherently interdisciplinary and multi-
- methodological. Successful proposals describe research that advances scientific theory and
- New Opportunity understanding of the connections between law or legal processes and human behavior. Fields of study include many disciplines, and often address problems including though not limited to: Crime, Violence and Punishment; Economic Issues; Governance; Legal Decisionmaking; Legal Mobilization and Conceptions of Justice; and Litigation and the Legal Profession.

Program Title: NIH Support for Conferences and Scientific Meetings

Sponsor: National Institutes of Health/DHHS

Program URL: https://grants.nih.gov/grants/guide/pa-files/PA-18-648.html

Funding Opportunity Number: PA-18-648

Application Deadline: 12-Aug-2018

National Institutes of Health (NIH) and its participating Institutes and Centers invite applications to support high quality conferences that are relevant to the public health and to the scientific mission of the participating Institutes and Centers. This FOA will utilize the NIH R13 Support for Conferences and Scientific Meetings award mechanisms.

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Science and Mathematics

Program Title: <u>Developing Technologies to Advance the Understanding of State of Stress and</u>
Geomechanical Impacts Within the Subsurface
Sponsor: National Energy Technology Laboratory/Department of Energy
Program URL: https://www.grants.gov/web/grants/view-opportunity.html?oppId=301081
Funding Opportunity Number: DE-FOA-0001826
Application Deadline: 26-Mar-2018 [LOI/Pre-App—Concept paper]; 07-May-2018 [Full]
The focus of this funding opportunity is on: 1) development of capabilities to better measure
and understand the in-situ state of stress, which is a key variable in predicting geomechanical
impacts, and 2) development of capabilities to predict the pressure migration and the
geomechanical impacts of this pressure in the storage complex. The effort represents a key
R&D technology development path toward ensuring secure and verifiable storage. This funding
opportunity seeks applications which propose research to develop tools, methods and/or
technologies that 1) improve the measurement of in-situ maximum principle stress in the deep
subsurface and 2) further seek to understand pressure migration and geomechanical impacts
related to injection into a storage complex.

Program Title: Dear Colleague Letter: Signals in the Soil (SiTS)

Sponsor: NSF

Program URL: <u>https://www.nsf.gov/pubs/2018/nsf18047/nsf18047.jsp</u> Funding Opportunity Number: NSF 18-047

Application Deadline: 13-Apr-2018 [LOI/Pre-App]

The National Science Foundation (NSF) Directorate for Engineering (ENG) in collaboration with its Directorates for Biological Sciences (BIO), Computer and Information Science and Engineering (CISE), and Geosciences (GEO), aims to encourage convergent research that transforms existing capabilities in understanding dynamic near-surface processes through advances in sensor systems and dynamic models. The goal of this Dear Colleague Letter (DCL) is to encourage submission of Early-Concept Grants for Exploratory Research (EAGER) proposals for early-stage, high-risk, high-reward research on technologies, models, and methods to better understand dynamic soil processes, including interactions of the macro- and microbiomes with soil nutrients, the rhizosphere, and various abiotic and biotic processes within the soil. In addition, for proposals that include topics relevant to both this DCL and the NSF "Rules of Life" Big Idea, submissions of Research Advanced by Interdisciplinary Science and Engineering (RAISE) proposals are encouraged.

Program Title: Seeding Solutions Research Grants

Sponsor: Foundation for Food and Agriculture Research

Program URL: http://foundationfar.org/open-opportunities/seeding-solutions/

- Application Date: 18-Apr-2018 [LOI/Pre-App]
- The Foundation for Food and Agriculture Research (FFAR) invites proposals for their Seeding
- Solutions program to address challenges in food and agriculture. Proposals will be accepted in
- all challenge areas of FFAR, including: Food Waste and Loss; Protein Challenge; Water Scarcity;
- Innovation Pathway to Sustainability; Healthy Soils, Thriving Farms; Urban Food Systems; and, Making My Plate Your Plate. FFAR anticipates funding at least one meritorious and transformative proposal in each challenge area.

Program Title: Collection Study Grants

Sponsor: American Museum of Natural History

Program URL: <u>http://www.amnh.org/our-research/richard-gilder-graduate-school/academics-and-research/fellowship-and-grant-opportunities</u>

Application Deadline: 01-May-2018

Collection Study Grants provide partial support of travel and subsistence while visiting the Museum. Projects of four days or longer are encouraged. Collection Study Grants enable pre-doctoral, current/recent postdoctoral investigators and other early career research scientists to study the scientific collections at the American Museum of Natural History in in the divisions of Anthropology, Invertebrate Zoology, Physical Sciences, Paleontology, and Vertebrate Zoology. The awards partially support travel and subsistence for scientists on short term AMNH visits

Program Title: Formal Methods in the Field

Sponsor: Directorate for Computer and Information Sciences and Engineering/NSF **Program URL:** <u>https://www.nsf.gov/pubs/2018/nsf18536/nsf18536.htm</u>

Funding Opportunity Number: 18-536

Application Deadline: 08-May-2018

The Formal Methods in the Field (FMitF) program aims to bring together researchers in formal methods with researchers in other areas of computer and information science and engineering to jointly develop rigorous and reproducible methodologies for designing and implementing correct-by-construction systems and applications with provable guarantees. FMitF encourages close collaboration between two groups of researchers. The first group consists of researchers in the area of formal methods, which, for the purposes of this solicitation, is broadly defined as principled approaches based on mathematics and logic, including modeling, specification, design, program analysis, verification, synthesis, and programming language-based approaches. The second group consists of researchers in the "field," which, for the purposes of this solicitation, is defined as a subset of areas within computer and information science and engineering that currently do not benefit from having established communities already developing and applying formal methods in their research. Initially the program will limit the field to these four areas that stand to directly benefit from a grounding in formal methods: computer networks, cyber-human systems, machine learning, and operating/distributed systems.

Program Title: Polyplexus Pilot

Sponsor: Defense Advanced Research Projects Agency (DARPA) Program URL: <u>https://www.grants.gov/web/grants/view-opportunity.html?oppld=301321</u> Funding Opportunity Number: DARPA-RA-18-01

Application Deadline: 01-Jun-2018 [LOI/Pre-app] / 20-Jul-2018 [Full]

New **Opportunity**

The Defense Sciences Office (DSO) at the Defense Advanced Research Projects Agency (DARPA) is seeking participants for a pilot program designed to utilize modern connectivity to rapidly develop promising basic research pathways and then efficiently develop basic research proposals. DSO's intent is to fund some of the research proposals resulting from this pilot program. As with other recent DARPA/DSO opportunity announcements, the intent of this program is to deliver research proposals that seek to investigate innovative approaches to enable revolutionary advances in science, devices, or systems. Specifically excluded is research that primarily results in evolutionary improvements to the existing state of practice. A Polyplexus program informational webcast will be held on March 23, 2018 at 11 a.m. Eastern time with a repost on March 27, 2018 at 4 p.m. Eastern. There is no registration fee, but preregistration is required. Registration opens on March 6, 2018 and closes on March 20, 2018. Interested parties can register at this link: https://events.sa-meetings.com/ehome/index.php?eventid=320748&

Program Title: Dear Colleague Letter: ENG/CMMI Call for NSF Big Ideas Proposals

Sponsor: Directorate for Engineering/NSF

Program URL: https://www.nsf.gov/pubs/2018/nsf18029/nsf18029.jsp?WT.mc_id=USNSF_25&WT.mc_ev=click

Funding Opportunity Number: NSF 18-029

Application Deadline: 16-Jul-2018 [LOI/Pre-App]

The Division of Civil, Mechanical, and Manufacturing Innovation (CMMI) of the Engineering Directorate invites organizations to submit proposals relevant to the following four Big Ideas, as they intersect with core CMMI topics defined in CMMI program descriptions: work at the human-technology frontier: shaping the future; navigating the new Arctic; harnessing the data revolution for 21st Century science and engineering; and understanding the rules of life: predicting phenotype.

Program Title: Faculty Early Career Development (CAREER) Program

Sponsor: NSF

Program URL: https://www.nsf.gov/pubs/2017/nsf17537/nsf17537.htm

- Funding Opportunity Number: 17-537
- Application Date: 18-Jul-2018 to 20-Jul-2018 [Deadline dates vary by discipline: see links for details]
- CAREER: The Faculty Early Career Development (CAREER) Program is a Foundation-wide activity
- that offers the National Science Foundation's most prestigious awards in support of early-career
- New Opportunity faculty who have the potential to serve as academic role models in research and education and to lead advances in the mission of their department or organization. Activities pursued by earlycareer faculty should build a firm foundation for a lifetime of leadership in integrating education and research.

Program Title: Programs Designed to Improve the Retention Rate of Undergraduate Women in Engineering

Sponsor: Engineering Information Foundation

- Program URL: http://www.eifgrants.org/info/women.html
- Application Deadline: 31-Aug-2018
- While work needs to be done to help more young women to become interested in engineering
- as a career, work also needs to be done to keep young women in engineering through college
- and beyond. It is in this context that the Foundation is interested in programs designed to improve the retention rate of undergraduate women in engineering. Programs may cover such diverse areas as classroom, climate, learning behaviors, classroom pedagogies and academic and social support programs. It is expected that the programs will examine their impact on SMET achievement.

Program Title: Facilitating Research at Primarily Undergraduate Institutions

Sponsor: NSF

Program URL: See program title link; no SPIN link for this grant

Funding Opportunity Number: 14-579

Application Deadline: Submission deadlines vary by program and proposals must meet program-specific requirements to be considered for review. PIs should contact cognizant program officers for guidance. The Research in Undergraduate Institutions (RUI) and Research Opportunity Awards (ROA) funding opportunities support research by faculty members at predominantly undergraduate institutions (PUIs). RUI proposals support PUI faculty in research that engages them in their professional field(s), builds capacity for research at their home institution, and supports the integration of research and undergraduate education. ROAs similarly support PUI faculty research, but these awards typically allow faculty to work as visiting scientists at research-intensive organizations where they collaborate with other NSF-supported investigators.

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Miscellaneous

	Program Title: Preservation and Access Education and Training Grants
	Sponsor: National Endowment for the Humanities
	Program URL: https://www.neh.gov/grants/preservation/preservation-and-access-education-
lity	and-training
1 T	Application Deadline: 01-May-2018
od	The Preservation and Access Education and Training program supports the development of
ŏ	knowledge and skills among professionals responsible for preserving and establishing access to
New Opportunity	humanities collections. Thousands of libraries, archives, museums, and historical organizations
2	across the country maintain important collections of books and manuscripts, photographs,
	sound recordings and moving images, archaeological and ethnographic artifacts, art and
	material culture collections, electronic records, and digital objects.
	Program Title: Preservation Assistance Grants for Smaller Institutions
	Sponsor: National Endowment for the Humanities
	Program URL: <u>https://www.neh.gov/grants/preservation-assistance-grants-smaller-institutions</u>
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-	Application Deadline: 01-May-2018
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/ Opportuni	Preservation Assistance Grants help small and mid-sized institutions—such as libraries,
Vew Opportuni	Preservation Assistance Grants help small and mid-sized institutions—such as libraries, museums, historical societies, archival repositories, cultural organizations, town and county
New Opportunity	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
New Opportuni	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

and ethnographic artifacts, furniture, historical objects, and digital materials.

Program Title: Common Heritage Preservation Grants

Sponsor: National Endowment for the Humanities

Program URL: http://www.neh.gov/grants/preservation/common-heritage

- Application Deadline: 31-May-2018
- The Common Heritage Program of the National Endowment for the Humanities (NEH) awards
- grants to support the digitization of cultural heritage materials and the organization of public
- programming that explores materials as a window on a community's history and culture.
- **New Opportunity** Applicant institutions must plan, promote, and organize community event(s) and ensure that a wide range of historical materials can be digitized and contextualized through public programming.

Program Title: Lumina Foundation Grants Program

Sponsor: Lumina Foundation

- Program URL: https://www.luminafoundation.org/grant-programs
- Application Deadline: Letters of Inquiry are accepted year-round.
- Lumina Foundation believes that education provides the basis for individual opportunity,
- economic vitality and social stability. With its partners, Lumina strives to meet workforce
- demands and close gaps in attainment for groups not historically well-served by higher
- education. While the Foundation's mission focuses on both student access and success in higher education, emphasis is on attainment, defined as completing post-secondary certificates, associate and baccalaureate degrees and credentials.

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Interdisciplinary

Program Title: Computer Science for All

Sponsor: Directorate for Education and Human Resources/NSF

Program URL: https://www.nsf.gov/pubs/2018/nsf18537/nsf18537.htm

Funding Opportunity Number: 18-537

Application Deadline: 09-May-2018

This program aims to provide all U.S. students the opportunity to participate in computer science (CS) and computational thinking (CT) education in their schools at the preK-12 levels. With this solicitation, the National Science Foundation (NSF) focuses on researcher-practitioner partnerships (RPPs) that foster the research and development needed to bring CS and CT to all schools. Specifically, this solicitation aims to provide high school teachers with the preparation, professional development (PD) and ongoing support that they need to teach rigorous computer science courses; preK-8 teachers with the instructional materials and preparation they need to integrate CS and CT into their teaching; and schools and districts the resources needed to define and evaluate multi-grade pathways in CS and CT.

Program Title: <u>Leading Engineering for America's Prosperity</u>, <u>Health</u>, <u>and Infrastructure (LEAP</u> HI)

Sponsor: NSF

Program URL: https://www.nsf.gov/pubs/2017/nsf17602/nsf17602.htm

Funding Opportunity Number: 17-602

Application Deadline: 16-Jul-2018 [LOI/Pre-App]

The LEAP HI program challenges the engineering research community to take a leadership role in addressing demanding, urgent, and consequential challenges for advancing America's

prosperity, health and infrastructure. LEAP HI proposals confront engineering problems that are

too complex to yield to the efforts of a single investigator — problems that require sustained and coordinated effort from interdisciplinary research teams, with goals that are not achievable through a series of smaller, short-term projects. LEAP HI projects perform fundamental research that may lead to disruptive technologies and methods, lay the foundation for new and strengthened industries, enable notable improvements in quality of life, or re-imagine and revitalize the built environment.

Program Title: <u>Science, Technology, and Society</u>

Sponsor: NSF

Program URL: http://www.nsf.gov/pubs/2015/nsf15506/nsf15506.htm

Funding Opportunity Number: 15-506

Application Deadline: 03-Aug-2018

The Science, Technology, and Society (STS) program supports research that uses historical,

philosophical, and social scientific methods to investigate the intellectual, material, and social

facets of the scientific, technological, engineering and mathematical (STEM) disciplines. It encompasses a broad spectrum of STS topics including interdisciplinary studies of ethics, equity, governance, and policy issues that are closely related to STEM disciplines, including medical science.

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New Opportunity

Searching for External Funders



Quick link: http://infoedglobal.com/

InfoEd-SPIN the Worlds #1 Funding Opportunities Database. A tool for funding opportunity searches and matching is now available.

MSU subscribes to **InfoEd-SPIN** database to help faculty and staff find external funding programs. Within the funding database, you can choose to actively search for funding agencies, or you can establish a weekly alert service that will send new funding opportunities according to key words that you identify. For this service, you will need to set up an account. Contact the Office of Sponsored Programs and Research for assistance.

We will come to your office to demonstrate SPIN or set up your account. We are also available to conduct searches for you.

OSPR Contact Information:

Brittany Norman Research Administrator Hardin Building Room 104 Ph: 940-397-4714 sponsoredprograms@mwsu.edu

Other Resources and Forms for the National Science Foundation (NSF) and the National Institute of Health (NIH)

*Please click the link above and you will be directed to the Office of Sponsored Program's forms site with examples of budget templates, biosketch forms and formats for reference letters. Please note that these are only examples, and you should always consult the grant application package for the proper form.

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