

Funding Bulletin

October 9th, 2015 (Vol. 3, No. 1)

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

[UPCOMING EVENTS](#)

[LIMITED SUBMISSIONS](#)

[INTERNAL OPPORTUNITIES](#)

[GENERAL](#)

[ARTS & HUMANITIES](#)

[EDUCATION](#)

[ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES](#)

[HEALTH, LIFE & EARTH SCIENCES](#)

[NEW FACULTY/INVESTIGATOR](#)

[SOCIAL & BEHAVIORAL SCIENCES](#)

[STUDENTS](#)

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/>

Let us know you found it in the RTT Funding Bulletin!!

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.

Notices & Upcoming Events

National Science Foundation (NSF) - Frequently Asked Questions (FAQs) for SBIR/STTR Program

- URL:http://www.nsf.gov/pubs/2015/nsf15125/nsf15125.jsp?WT.mc_id=USNSF_25&WT.mc_ev=click

Develop a winning SBIR/STTR proposal

2015 Business Booster Series Sponsored by WSU's Center for Entrepreneurship and Meritrust

The Business Booster Series will present a one-day workshop "Develop a Winning SBIR/STTR Proposal," from 8:30 a.m.-4:30 p.m. Friday, Oct. 16, in Devlin Hall. The cost is just \$75, although lunch, materials and a future proposal review are valued at \$450. Learn how to prepare a competitive Phase I proposal for SBIR or STTR funding from Jim Greenwood, an expert in the field of proposal preparation. Focus will be on reviewer's expectations in a high quality proposal, the common mistakes, government accounting and developing federal cost proposals.

Register now at <http://www.wichitaedu/businessbooster> or call 978-3000 for more information.

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 due date listed in the Funding Bulletin if you wish to submit a limited submission program. There are currently *three* open limited submission competitions:

(1) ADVANCE: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers (ADVANCE)

National Science Foundation (NSF)

Due Date: Institutional Transformation (IT) Track – Internal 10/19/2015; Letter of Intent: 11/5/2015; Full Proposal 1/20/2016

The goals of the ADVANCE program are (1) to develop systemic approaches to increase the representation and advancement of women in academic STEM careers; (2) to develop innovative and sustainable ways to promote gender equity in the STEM academic workforce; and (3) to contribute to the development of a more diverse science and engineering workforce. ADVANCE also has as its goal to contribute to and inform the general knowledge base on gender equity in the academic STEM disciplines. There are three tracks: the Institutional Transformation (IT) track is meant to produce large-scale comprehensive change and serve as a locus for research on gender equity and institutional transformation for academic STEM; the Institutional Transformation Catalyst (IT Catalyst) track is meant either to conduct self-assessment or to implement unique strategies – either adapted from those found effective in the IT track or ones designed to be responsive to the unique environments of eligible institutions – and evaluate their effectiveness; the Partnerships for Learning and Adaptation Networks (PLAN) track is meant to provide a larger scale environment for adapting, implementing and creating knowledge about the effectiveness of a particular strategy for change within a context of networked adaptation and learning. PLAN is focused on adaptation/implementation and learning either in particular STEM disciplines (PLAN D) or across institutions of higher education (PLAN IHE). ADVANCE projects support institutional transformation in STEM. STEM includes but is not limited to Arctic and Antarctic sciences, biological sciences, computer and information sciences, engineering, geosciences, mathematics, physical sciences, learning sciences, and social, behavioral and economic sciences. Institutional Transformation and IT Catalyst awards are expected to include all STEM disciplines at the institution submitting the proposal. PLAN awards may include all of STEM or a subset or one discipline. ***One proposal per organization for Institutional Transformation and Institutional Transformation Catalyst Awards. No limit for PLAN IHE and PLAN D proposals.*** NSF 14-573

- URL: <http://www.nsf.gov/pubs/2014/nsf14573/nsf14573.htm>

(2) IUSE / Professional Formation of Engineers: Revolutionizing Engineering and Computer Science Departments (RED)

National Science Foundation (NSF)

Due Date: Internal 10/16/2015; Letters of Intent 11/10/2015; Full Proposals 12/15/2015

In FY 2016, the Directorates for Engineering (ENG), Computer and Information Science and Engineering (CISE) and Education and Human Resources (EHR) are continuing a program aligned with

the Improving Undergraduate STEM Education (IUSE) framework: *Revolutionizing engineering and computer science Departments (herein referred to as RED)*. This funding opportunity enables engineering and computer science departments to lead the nation by successfully achieving significant sustainable changes necessary to overcome longstanding issues in their undergraduate programs and educate inclusive communities of engineering and computer science students prepared to solve 21st-century challenges. **An organization is allowed up to two submissions per competition.**
NSF 15-607

- [URL: http://www.nsf.gov/pubs/2015/nsf15607/nsf15607.htm?WT.mc_id=USNSF_25&WT.mc_ev=click](http://www.nsf.gov/pubs/2015/nsf15607/nsf15607.htm?WT.mc_id=USNSF_25&WT.mc_ev=click)

(3) Partnerships for Innovation: Building Innovation Capacity (PFI:BIC)

National Science Foundation (NSF)

Due Date: Internal 10/16/2015; Letters of Intent 12/2/2015; Full Proposals 1/27/2015

Partnerships for Innovation: Building Innovation Capacity (PFI:BIC) supports academe-industry partnerships, which are led by an interdisciplinary academic research team collaborating with at least one industry partner in order to carry out research to advance, adapt, and integrate **technology(ies)** into a **specified, human-centered smart service system**. The selected service system should function as a technology test bed. Partnership projects are unrestricted as to domain knowledge and application areas and should be in the translational, pre-commercialization space, building on fundamental research discoveries with the objective of creating or transforming a “smart(er)” service system that has the potential for significant social and economic impact. This program solicitation is pursuant to program solicitation NSF 14-610. Proposers should review all solicitation requirements carefully before submitting a proposal. Only major revisions to this solicitation are noted below. **Minimum partnership requirement.** One **primary partner** that is either a for-profit or a not-for profit industrial partner (also known as a corporate or a business partner) **that has commercial revenues**. It is essential that a designated minimally-qualifying industrial partner have experience with having brought a product, process, service, or system to the marketplace, thereby providing an informed business perspective to the academe-industry team. **Academic institutions are limited to participation on two (2) proposals as a lead institution, preferably involving distinct application areas.** NSF 15-610

- [URL: http://www.nsf.gov/pubs/2015/nsf15610/nsf15610.htm](http://www.nsf.gov/pubs/2015/nsf15610/nsf15610.htm)

INTERNAL OPPORTUNITIES

The next internal opportunities available will be: 1) Award for Research/Creative Projects (ARCS) due February 6, 2016 and 2) Flossie E. West Foundation Award due March 4, 2016.

For more information, visit

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

Check back at the beginning of the year for updated instructions and application forms for both opportunities.

GENERAL

Grants

American Honda Foundation

Due Date: 11/2/2015, 2/1/2016

The purpose of this program is to help meet the needs of American society in the areas of youth and scientific education by awarding grants to nonprofits, while strategically assisting communities in deriving long-term benefits. The American Honda Foundation engages in grant making that reflects the basic tenets, beliefs and philosophies of Honda companies, which are characterized by the following qualities: imaginative, creative, youthful, forward-thinking, scientific, humanistic and innovative. It supports youth education with a specific focus on the STEM (science, technology, engineering and mathematics) subjects in addition to the environment.

- URL: <http://corporate.honda.com/america/philanthropy.aspx?id=ahf>

Cultivating Cultures for Ethical STEM (CCE STEM)

National Science Foundation (NSF)

Due Date: 2/16/2016

The Cultivating Cultures for Ethical STEM (CCE STEM) program accepts proposals for innovative research projects to foster ethical STEM research in all of the fields of science and engineering that NSF

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.

supports, including within interdisciplinary, inter-institutional and international contexts. CCE STEM research projects will use basic research to produce knowledge about what constitutes responsible or irresponsible, just or unjust scientific practices and sociotechnical systems, and how to best instill students with this knowledge. Projects can include qualitative and/or quantitative approaches. Proposals should specify plans to deliver findings to appropriate research and educational communities and assist them to implement projects or programs based on the findings. CCE STEM awardees must share their findings with others via the Online Ethics Center for Engineering and Science (Award #1355547) and at the biennial PI meetings held at NSF. PIs are responsible for covering the expenses of participating in these PI meetings throughout the tenure of their award and should indicate this in their budget. **NSF 15-528**

- URL: <http://www.nsf.gov/pubs/2015/nsf15528/nsf15528.htm>

Urban Waters Small Grants

United States Environmental Protection Agency (EPA)

Due Date: 11/20/2015 (Questions due by 11/6/2015)

The mission of EPA's Urban Waters Program is to help local residents and their organizations, particularly those in underserved communities, restore their urban waters in ways that also benefit community and economic revitalization. For the 2015/2016 grant cycle, EPA seeks to fund projects that address urban runoff pollution through diverse partnerships that produce multiple community benefits, with emphasis on underserved communities. Under this announcement, the EPA is soliciting proposals from eligible applicants for projects that will advance EPA's water quality and environmental justice goals. Proposed project activities must take place entirely within one of the Eligible Geographic Areas, as illustrated on the interactive map provided on the Urban Waters Small Grants mapping website at <http://www2.epa.gov/urbanwaters/urban-waters-small-grants-mapping>. **EPA-OW-IO-15-01**

- URL: <http://www2.epa.gov/urbanwaters/urban-waters-small-grants>

ARTS & HUMANITIES

Post-Ph.D. Research Grants

Wenner-Gren Foundation

Due Date: 11/15/2015

Post-Ph.D. Research Grants are awarded to individuals holding a Ph.D. or equivalent degree to support individual research projects. The program contributes to the Foundation's overall mission to support basic research in anthropology and to ensure that the discipline continues to be a source of vibrant and significant work that furthers our understanding of humanity's cultural and biological origins, development, and variation. The Foundation supports research that demonstrates a clear link to anthropological theory and debates, and promises to make a solid contribution to advancing these ideas. There is no preference for any methodology, research location, or subfield. The Foundation particularly welcomes proposals that employ a comparative perspective, can generate innovative approaches or ideas, and/or integrate two or more subfields.

- URL: <http://www.wennergren.org/programs/post-phd-research-grants>

LAPA Fellows Program

Princeton University

Due Date: 11/16/2015

Each year, LAPA brings to Princeton world-class experts on the law. Successful candidates will devote an academic year in residence at Princeton engaging in their own research and in the intellectual life of the campus. LAPA Fellows devote the major portion of their time to their own research and writing on law-related subjects of empirical, interpretive, doctrinal and/or normative significance. LAPA explores the role of law in constituting politics, society, the economy and culture.

- URL: <http://lapa.princeton.edu/content/fellowships>

Research Scholarships

Gerda Henkel Foundation

Due Date: 11/30/2015

Support is primarily provided for the historical humanities, in particular to support research projects in the fields of Archaeology, Art History, Historical Islamic Studies, History of Law, History of Science, Prehistory and Early History. Applications for research scholarships can be made in connection with

the research grant programme. Funding for smaller amount is also available. Publishing aid is currently only awarded to especially successful projects already being supported by the Foundation.

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

EDUCATION

National Academy of Education/Spencer Postdoctoral Fellowship Program *National Academy of Education (NAEd)* **Due Date: 11/5/2015**

This postdoctoral fellowship program supports early career scholars working in critical areas of education research. This nonresidential postdoctoral fellowship funds proposals that make significant scholarly contributions to the field of education. The program also develops the careers of its recipients through professional development activities involving National Academy of Education members. Proposed project must be an education research project. NAEd funds studies that examine the efficacy of curriculum and teaching methods, however, NAEd does not fund the initial development of curriculum or instructional programs. Applications must be made by the individual applying for the fellowship.

- URL: http://www.naeducation.org/NAED_080201.htm

Education Research: Low-Cost, Short-Duration Evaluation of Education Interventions *United States Department of Education (ED) - Institute of Education Sciences (IES)* **Due Date: 1/12/2016**

The purpose of the Low-Cost, Short-Duration Evaluation of Education Interventions and Low-Cost, Short-Duration Evaluation of Special Education Interventions grant programs is to support rigorous evaluations of education interventions implemented by SEAs and LEAs that have important implications for improving student education outcomes. The evaluations are low cost because they rely on administrative records or other available data and are completed within a two-year period. The evaluations are rigorous because they use randomized controlled trials or regression discontinuity designs that, if well implemented, would meet What Works Clearinghouse evidence standards without reservations for determining the effectiveness of interventions. The evaluations are to be carried out

by partnerships between research institutions and SEAs or LEAs. Implementation of the intervention to be evaluated is to be supported by the SEA and/or LEA and not by the grant. The education intervention to be evaluated should be implemented and the key outcomes collected within the first year of the project, and the analysis and dissemination should be completed by the end of the second year of the project. In order to meet this schedule, projects should focus on interventions that are expected to produce meaningful results quickly (for example, within one semester or school year) and that rely on outcome measures that are readily available to researchers. **Eligible applicants include research partnerships involving at least one research institution and at least one SEA or LEA.**

- URL: <http://www.grants.gov/web/grants/view-opportunity.html?oppld=279259>

Special Education Research: Low-Cost, Short-Duration Evaluation of Special Education Interventions

United States Department of Education (ED) - Institute of Education Sciences (IES)

Due Date: 1/12/2016

The purpose of the Low-Cost, Short-Duration Evaluation of Education Interventions and Low-Cost, Short-Duration Evaluation of Special Education Interventions grant programs is to support rigorous evaluations of education interventions implemented by SEAs and LEAs that have important implications for improving student education outcomes. The evaluations are low cost because they rely on administrative records or other available data and are completed within a two-year period. The evaluations are rigorous because they use randomized controlled trials or regression discontinuity designs that, if well implemented, would meet What Works Clearinghouse evidence standards without reservations for determining the effectiveness of interventions. The evaluations are to be carried out by partnerships between research institutions and SEAs or LEAs. Implementation of the intervention to be evaluated is to be supported by the SEA and/or LEA and not by the grant. The education intervention to be evaluated should be implemented and the key outcomes collected within the first year of the project, and the analysis and dissemination should be completed by the end of the second year of the project. In order to meet this schedule, projects should focus on interventions that are expected to produce meaningful results quickly (for example, within one semester or school year) and that rely on outcome measures that are readily available to researchers.

- URL: <http://www.grants.gov/web/grants/view-opportunity.html?oppld=279281>

Scholar Rescue Fund (SRF)

Institute of International Education (IIE)

Due Date: Continuous

SRF assists scholars from various countries, placing them at nearly host partner institutions around the world. Around the world, scholars have long suffered harassment, torture and persecution as a result of their work. In the worst cases, scholars pay with their lives for their dedication to scholarship and freedom of thought. The SRF is a formalized response to this ongoing international dilemma. The Fund provides fellowships for established scholars whose lives and work are threatened in their home countries. These fellowships permit scholars to find temporary refuge anywhere in the world, enabling them to pursue their academic work in safety and to continue to share their knowledge with students, colleagues, and the community. Candidates may undertake their fellowships at host colleges, universities, research centers and other academic institutions in any safe country. The scholar's duties on fellowship depend on the needs of the host partner and the scholar. Many SRF fellows teach courses, conduct independent research, participate in lecture series and conferences/seminars and otherwise contribute to the broader campus and nearby communities. Applications are reviewed for academic qualifications, the quality/ potential of the candidate's work, and the urgency of threats faced. The Fund's hope is that during the fellowship period conditions in the scholars' home country might improve to allow their safe return; if safe return is not possible, the hope is that the scholars might use the period of the fellowship to identify a longer-term opportunity to continue their important work.

- URL: <http://www.iie.org/en/Programs/Scholar-Rescue-Fund>

ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

Chemical Measurement and Imaging (CMI)

National Science Foundation (NSF)

Due Date: 11/2/2015

The CMI Program supports research focusing on chemically relevant measurement science and imaging, targeting both improved understanding of new and existing methods and development of innovative approaches and instruments. Research areas include but are not limited to sampling and separation science; electrochemistry; spectrometry; frequency- and time-domain spectroscopy; sensors and bioassays; and microscopy. Chemical (as opposed to morphological) imaging and measurement tools probing chemical properties and processes across a wide range of spatial scales -

from macroscopic structures down to single molecules - are supported, as are innovations enabling the monitoring and imaging of rapid chemical and electronic processes and new approaches to data analysis and interpretation, including chemometrics. Proposals addressing established techniques must seek improved understanding and/or innovative approaches to substantially broaden applicability. Sensor-related proposals should address new science and/or entirely new approaches with prospects for broad utility and significant enhancement of current capabilities. Assembly of array-type devices using known sensing mechanisms is better suited to programs elsewhere, as is tailoring of known sensing mechanisms to specific new applications. Similarly, engineering aspects of microfluidics and "lab-on-a-chip" device design, technology, and application, are better directed elsewhere. Development of imaging contrast agents is not supported, although proposals addressing entirely new mechanisms of chemical imaging can be. Included among proposals considered by the Program are those (formerly submitted to the CRIF:ID program) for which the primary focus is on development of new instrumentation enabling chemical measurements likely to be of wide interest and utility to the chemistry research community. Such proposals should include the words "Instrument Development" at the beginning of the title, and include in the Project Description consideration of a development timeline, potential utility, and prospects for promulgation of the idea, should it prove viable; these tend to be of interest to reviewers of instrument development proposals. Proposals with large equipment requests (over \$150,000) may be better suited to the Major Research Instrumentation (MRI) Program; investigators are urged to discuss such proposals with a program officer before submission. Proposals with anticipated utility primarily in other communities (e.g., biology) should be directed to programs in other Directorates or to MRI. Industrial partnerships (e.g., via "GOALI" - Grant Opportunities for Academic Liaison with Industry) are encouraged as means of enhancing promulgation, but concepts nearing commercialization are better fits to SBIR or STTR Programs. Proposals for optimizing and/or utilizing established methods for specific applications should be directed to programs focused on the application. There are closely-related programs in other Divisions; where to submit depends on the primary focus of the proposed research. **PD 09-6880**

- URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503413

Chemistry of Life Processes (CLP)

National Science Foundation (NSF)

Due Date: 11/2/2015

The CLP program supports the investigation of problems at the Chemistry-Biology interface in which the primary approach or tools employed are those of chemistry. The fundamental examination of mechanisms, dynamics, recognition and structure/function relationships at the molecular level is at the core of the CLP program. Projects that integrate experimental and theoretical chemical approaches into studies of biomolecules or biomolecular processes in the domain of proteins, nucleic acids, carbohydrates and lipids will be considered. The use of small molecules such as ligands, inhibitors,

signal transducers or molecular beacons to interrogate biological systems is a characteristic mode of inquiry for CLP investigators. The program also welcomes the application of computational and spectroscopic methods to examine Nature's macromolecular machinery and processes. Appropriate areas of inquiry include, but are not limited to, peptide design, protein-protein and protein-nucleic acid interactions, post-translational modification alternative base pairs, epigenetics, signal and energy transduction pathways, and molecular definition of emerging "codes" such as those associated with glycomics and histones. Mechanisms of enzyme and metalloenzyme activity, ribozyme and/or riboswitch function and of DNA damage and covalent modification are also central themes in the program. Proposals that predominantly utilize biological tools or techniques may be more appropriate for the Division of Molecular and Cellular Biosciences (MCB). Proposals that address biomedical problems may be more appropriate for the National Institutes of Health or other health-directed funding agencies. **PD 09-6883**

- URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503417

Environmental Chemical Sciences (ECS)

National Science Foundation (NSF)

Due Date: 11/2/2015

The ECS Program supports basic research in chemistry that promotes the understanding of natural and anthropogenic chemical processes in our environment. Projects supported by this program enable fundamentally new avenues of basic research and transformative technologies. The program is particularly interested in studying molecular phenomena on surfaces and interfaces in order to understand the inherently complex and heterogeneous environment. Projects utilize advanced experimental, modeling and computational approaches, as well as developing new approaches. Topics include studies of environmental surfaces and interfaces under laboratory conditions, the fundamental properties of water and water solutions important in environmental processes, dissolution, composition, origin and behavior of molecular scale systems under a variety of naturally occurring environmental conditions, chemical reactivity of synthetic nanoparticles and their molecular level interactions with the environment, and application of theoretical models and computational approaches to discover and predict environmental phenomena at the molecular scale.

The ECS program supports research in basic chemical aspects of our environment. Programs in the Biological Sciences, Engineering and Geosciences Directorates as well as other federal agencies address other aspects such as field studies. **PD 09-6882**

- URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503416

Macromolecular, Supramolecular and Nanochemistry (MSN)

National Science Foundation (NSF)

Due Date: 11/2/2015

The MSN Program focuses on basic research that addresses fundamental questions regarding the chemistry of macromolecular, supramolecular and nanoscopic species and other organized structures and that advances chemistry knowledge in these areas. Research of interest to this program will explore novel chemistry concepts in the following topics:

1. The development of novel synthetic approaches to clusters, nanoparticles, polymers, and supramolecular architectures; innovative surface functionalization methodologies; surface monolayer chemistry; and template-directed synthesis.
2. The study of molecular scale interactions that give rise to macromolecular, supramolecular or nanoparticulate self-assembly into discrete structures; and the study of chemical forces and dynamics that are responsible for spatial organization in discrete organic, inorganic or hybrid systems (excluding extended solids).
3. Investigations that utilize advanced experimental or computational methods to understand or to predict the chemical structure, unique chemical and physicochemical properties, and chemical reactivities that result from the organized or nanoscopic structures. Research in which theory advances experiment and experiment advances theory synergistically is of special interest.

Submissions that advance MSN chemistry knowledge important for addressing national needs for sustainability are of particular interest. Examples include: (1) transformative approaches to the efficient and inexpensive synthesis of recyclable polymers or polymers using renewable feedstocks; (2) innovative research to enhance our understanding of the supramolecular recognition of critical elements essential for efficient sequestration and recycling of such elements; (3) innovative research to enhance our understanding of the supramolecular chemistry important for the design and synthesis of catalysts that rival enzymes in substrate specificity, stereoselectivity, yields, and efficiency (selection or genetic engineering of enzymes or screening of combinatorial libraries of catalysts are not of interest); (4) novel chemistry of nanostructures comprised of earth abundant elements to substitute for nanostructures that contain critical elements; and (5) innovative approaches to the preparation of novel nanostructures of critical elements for efficient/sustainable use of these elements. The MSN Program encourages white paper submissions for potential EAGER proposals on highly innovative and potentially transformative ideas on these topics. Proposals for which the primary focus is on extended solids, materials research, biological properties, device properties, or engineering are not appropriate for this program, and the principal investigator is encouraged to look into corresponding programs at NSF for proposal submission. **PD 09-6885**

- URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503422

Research Experiences for Teachers (RET) in Engineering and Computer Science - Supplements and Sites

National Science Foundation (NSF)

Due Date: 11/2/2015

The Directorate for Engineering (ENG) and the Directorate for Computer and Information Science and Engineering (CISE), have joined to support the Research Experiences for Teachers (RET) in Engineering and Computer Science program. This program supports active long-term collaborative partnerships between K-12 Science, Technology, Engineering, Computer and Information Science, and Mathematics (STEM) teachers and community college and university faculty and students to bring knowledge of engineering or computer and information science and engineering as well as technological innovation to pre-college/community college classrooms. The goal of these partnerships is to enable K-12 STEM teachers and community college faculty to translate their research experiences and new knowledge gained in university settings into their classroom activities. The university team will include faculty, graduate and undergraduate students as well as industrial advisors. Involvement of graduate students in support of academic-year classroom activities is particularly encouraged. Partnerships with inner city, rural or other high needs schools are especially encouraged, as is participation by underrepresented minorities, women, and persons with disabilities.

As part of the long-term partnership arrangements, university undergraduate/graduate students will partner with pre-college/community college faculty in their classrooms during the academic year to help teach engineering/computer science concepts. This announcement features two mechanisms for support of in-service and pre-service K-12 STEM teachers and community college faculty: (1) RET supplements to ongoing ENG and CISE awards and (2) new RET Site awards. RET supplements may be included outside this solicitation in proposals for new or renewed NSF Directorate for Engineering (ENG) and Directorate for Computer and Information Science and Engineering (CISE) grants or as supplements to ongoing NSF ENG and CISE funded projects. RET in Engineering and Computer Science Sites, through this solicitation, are based on independent proposals from engineering or computer and/or information science departments, schools or colleges to initiate and conduct research participation projects for K-12 STEM teachers and/or community college faculty. **Three Site proposals may be submitted per competition by a U.S. academic institution, including a College/Department of Engineering, Engineering Technology, or Computer and/or Information Science as the lead institution. Please note that two proposals may have an engineering focus and one proposal may have a computer and/or information science focus. NSF 15-536**

- [URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505170&org=NSF&sel_org=NSF&from=fund](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505170&org=NSF&sel_org=NSF&from=fund)

Geometric Analysis

National Science Foundation (NSF)

Due Date: 11/3/2015

The program in Geometric Analysis supports research on differential geometry and its relation to partial differential equations and variational principles; aspects of global analysis, including the differential geometry of complex manifolds and geometric Lie group theory; geometric methods in modern mathematical physics; and geometry of convex sets, integral geometry, and related geometric topics. **PD 10-1265**

- URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5549

Topology

National Science Foundation (NSF)

Due Date: 11/3/2015

The program supports research on algebraic topology, including homotopy theory, ordinary and extraordinary homology and cohomology, cobordism theory, and K-theory; topological manifolds and cell complexes, fiberings, knots, and links; differential topology and actions of groups of transformations; geometric group theory; and general topology and continua theory. **PD 10-1267**

- URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5551

Leveraging the Analog Domain for Security (LADS) Program

U.S. Department of Defense (DoD) – Defense Advanced Research Projects Agency (DARPA)

Due Date: 11/10/2015

DARPA is soliciting innovative research proposals in the area of enhanced cyber defense through analysis of involuntary analog emissions. Proposed research should investigate innovative approaches that enable evolutionary advances in science, devices, or systems. Specifically excluded is research that primarily results in evolutionary improvements to the existing state of practice. **DARPA-BAA-15-61**

- URL: <https://www.fbo.gov/?s=opportunity&mode=form&id=916dd7ee159a12bc221bdd442ebf4409&tab=core&cvview=0>

Multi-INT Research Initiatives at the Naval Postgraduate School

United States Department of Defense (DOD) - Naval Postgraduate School (NPS)

Due Date: 11/30/2015

The Naval Postgraduate School Center for Multi-INT Studies (CMIS) has a bold vision to transform the field of intelligence and seeks to vastly improve the current state of the art in intelligence, surveillance and reconnaissance (ISR). To this end, CMIS supports innovative, independent research that has the potential to expand knowledge in related areas. As real-time, accurate and actionable intelligence products are demanded by analysts, warfighters, and decision makers, linear, human-intensive processes are no longer sufficient. The capabilities of current and future adversaries and the dynamism and complexity of the environments in which they operate necessitate vast improvements in the timeliness and execution of intelligence-cycle processes. CMIS envisions a future where cognitive technologies can anticipate strategic and tactical information needs, perceptively orchestrate distributed sensors across every domain (cyber, human, terrestrial, air, sea, space, etc.), and deliver timely and accurate recommendations to kinetic and/or non-kinetic agents (human and/or machine) to employ required actions. **The transformative technologies of interest are:**

- Representing targets as systems
- Orchestrated resource management
- Computational models for sensemaking
- Human-computer symbiosis
- New approaches for establishing/addressing the scientific underpinnings of Multi-INT
- Maritime Domain Awareness/Anomaly Detection

NPS-BAA-15-004

- URL: <http://www.grants.gov/web/grants/view-opportunity.html?oppld=279229>

Sunshot Technology to Market (Incubator Round 11, Solarmat Round 4)

U.S. Department of Energy (DOE) - Office of Energy Efficiency and Renewable Energy (EERE)

Due Date: Letters of Intent 11/2/2015; Concept Papers 11/18/2015; Applications 2/13/2016

The mission of the Solar Energy Technology Office's Tech-to-Market sub-program is to enable the widespread market penetration of highly impactful solar technologies and solutions through technology research, development and demonstration to overcome technical, institutional and market challenges. Historically, annual funding opportunities have been separated by stage of technology development (Incubator and SolarMat). In the interest of optimizing the application and selection process, these funding opportunities have been combined into a single FOA, with the goal of bringing disruptive innovation to the solar industry in the near term that will take root in the U.S. The purpose

of this funding program is to help remove barriers that are addressable by technology and business innovation. These solutions cover hardware innovation and manufacturing, software, cost-reductions throughout the value chain, and non-cost (capability) related solutions. These solutions are expected to aid in achieving a ubiquitous solar energy solution and provide a clear path for these highly impactful technologies and solutions to rapidly reach market success. This funding program seeks to fund for-profit entities to develop products and solutions which will further reduce the price of solar energy and de-risk the integration of solar energy to the electricity grid. ***Educational institutions, non-profits, and state, local and tribal government entities are not eligible to apply for funding as a Prime Recipient, but are eligible to be a Project Team partner as a sub-recipient or vendor.***

- URL: <https://eere-exchange.energy.gov/default.aspx#Foald9defae6c-7cad-42fb-8dc6-a704c9dd0015>

HEALTH, LIFE & EARTH SCIENCES

FY2017 Request for Research and Education Proposals

Kansas Corn Commission (KCC)

Due Date: 11/6/2015

The Kansas Corn Commission is soliciting research and education Proposals for FY 2017. Proposals are due at the Commission by November 6, 2015. An individual may be listed as lead principal investigator on only one proposal, but may be a secondary principal investigator on multiple proposals. Please note that the following topics are of significant importance and proposals identifying these topics are more likely to receive funding. Proposals will be accepted and given priority in the following areas:

1. Value-Added Projects
2. Marketing Extension Program and Transportation
3. Production/Environmental Programs
4. Teacher Education

See RFP for additional details. ADD LINK

- URL: <http://webs.wichita.edu/?u=wsuresearchadmin&p=/orainternalgrants/externalgrants/>

Collaborative Research in Genomics, Epigenomics, and Bioinformatics in Gynecologic Health and Disease (R01)

National Institutes of Health (NIH) - Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD)

Due Date: Letters of Intent 11/10/2015; Applications 12/10/2015

The purpose of this Funding Opportunity Announcement (FOA) is to encourage the application of existing and newly emerging genomic, epigenomic, and bioinformatics tools to generate novel insights into the development, progression, and treatment of select disorders in gynecologic health and disease. In order to focus efforts in the field, the scope of this FOA is limited to the following four common gynecologic disorders associated with substantial morbidity and health care costs:

- 1. Endometriosis**
- 2. Adenomyosis**
- 3. Uterine fibroids/leiomyoma**
- 4. Pelvic floor disorders including organ prolapse, urinary incontinence, and fecal incontinence in the female**

The focus of the application must be on the use of global genomic and epigenomic approaches. Genome-wide association studies (GWAS) with robust sequence analysis are acceptable. Studies must be adequately powered to detect low frequency alleles. State-of-the-art sequencing technologies and bioinformatics tools should be utilized. Results should be predicted to result in new paradigms regarding disease etiology and progression. In addition, the proposed work should provide resources such as datasets and methodologies that will be of broad value to the gynecologic research community. Mapping the genome/epigenome of normal cells or tissues should only be performed as a control for analysis of diseased or other aberrant cellular states. The use of primary human cells and tissues will take priority. The use of mammalian animal models will be considered responsive, but strong justification must be provided for using the animal model to further the understanding of human disease. **Although multiple PD/PI applications are not required, high priority will be given to multi-investigator, highly collaborative, interdisciplinary applications in order to ensure the most effective and comprehensive computational and experimental approaches are applied to address the biological problem.** Investigator(s) should clearly demonstrate expertise in clinical investigation and the application of state-of-the-art genomic and/or epigenomic technologies and bioinformatics tools. The plan should allow for modification as advances in sequencing and bioinformatics are developed. Assurance should be provided that the necessary bioinformatics infrastructure is available to support data deposition and analyses. Particular attention should be given to the inclusion of precisely-phenotyped patient populations with appropriate age and racial/ethnic diversity. The primary aims must include an unbiased discovery phase. Studies may include follow-up analyses to characterize the functional significance of novel target gene loci identified through the initial non-directed mapping, but this should not be the sole aim of the application. The required expertise in molecular biology, biochemistry, cell biology, physiology, or other relevant fields must be demonstrated for any proposed

functional studies. Applicants are strongly encouraged to utilize existing high quality genomic/epigenomic archives and well-characterized human biospecimen banks when available in order to minimize costs and accelerate progress. The addition of a genome/epigenome-wide mapping component to an ongoing clinical or epidemiological study of a relevant disease should be considered.

RFA-HD-16-003

- URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-16-003.html>

Health Policy Fellows 2016-2017 Call for Applications

Robert Wood Johnson Foundation (RWJF)

Due Date: 11/12/2015

The program provides a comprehensive fellowship experience at the nexus of health science, policy and politics in Washington, D.C. It is an outstanding opportunity for individuals with an interest in health and health care policy promoting the health of the nation. Fellows participate in the policy process at the federal level and use that leadership experience to improve health, health care and health policy.

- URL: <http://click.rwjfmail.org/?qs=a214827bae2a3d6402cd2ec6a6d4e0b8fe7393a816107d045c6b62c231485ab4>

Dynamics of Coupled Natural and Human Systems

National Science Foundation (NSF)

Due Date: 11/17/2015

The Dynamics of Coupled Natural and Human Systems (CNH) Program supports interdisciplinary research that examines human and natural system processes and the complex interactions among human and natural systems at diverse scales. Research projects to be supported by CNH must include analyses of four different components: (1) the dynamics of a natural system; (2) the dynamics of a human system; (3) the processes through which the natural system affects the human system; and (4) the processes through which the human system affects the natural system. CNH also supports research coordination networks (CNH-RCNs) designed to facilitate activities that promote future research by broad research communities that will include all four components necessary for CNH funding. CNH projects should address questions of general, theoretical interest in both the natural sciences and in the social and behavioral sciences. Proposals should present clear, novel, and non-trivial hypotheses that can be tested conclusively using a scientifically sound research design that employs current or innovative methods. A CNH research proposal should demonstrate how the proposed research is well grounded in relevant theory from a range of appropriate fields and how it will advance basic

understanding in both the natural sciences and the social and behavioral sciences. The project should focus on one or a limited number of specific questions that follow from the theoretical discussion and review of relevant literature. Projects likely to improve capabilities for predicting the responses of systems to endogenous and exogenous changes, including appropriate estimates of uncertainty in model predictions, are encouraged. **NSF 14-601**

- URL: <http://www.nsf.gov/pubs/2014/nsf14601/nsf14601.htm>

Advanced Development of Informatics Technologies for Cancer Research and Management (U24)

National Institutes of Health (NIH) - National Cancer Institute (NCI)

Due Date: 11/20/2015 (Letters of Intent due 30 days before the application due date)

The purpose of this Funding Opportunity Announcement (FOA) is to invite Cooperative Agreement (U24) applications for advanced development and enhancement of emerging informatics technologies to improve the acquisition, management, analysis, and dissemination of data and knowledge across the cancer research continuum, including cancer biology, cancer treatment and diagnosis, cancer prevention, cancer control and epidemiology, and/or cancer health disparities. As a component of the NCI's Informatics Technology for Cancer Research (ITCR) Initiative, this FOA focuses on emerging informatics technology, defined as one that has passed the initial prototyping and pilot development stage, has demonstrated potential to have a significant and broader impact, has compelling reasons for further improvement and enhancement, and has not been widely adopted in the cancer research field. The central mission of ITCR is to promote research-driven informatics technology across the development lifecycle to address priority needs in cancer research. In order to be successful, proposed development plans must have a clear rationale on why the proposed technology is needed and how it will benefit the cancer research field. In addition, mechanisms to solicit feedback from users and collaborators throughout the development process should be included. Potential applicants who are interested in early-stage development or informatics resource sustainment should consult companion FOAs listed above. **PAR-15-331**

- URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-15-331.html>

Nurse Faculty Loan Program (NFLP)

Department of Health and Human Services (HHS) - Health Resources and Services Administration (HRSA)

Due Date: 11/30/2015

The purpose of this program is to increase the number of qualified nursing faculty by providing funding to accredited schools of nursing. The NFLP is designed to prepare and train qualified nurse educators

to fill faculty vacancies and increase the number of trained nurses entering the workforce. This goal is accomplished by supporting schools of nursing that prepare students to serve as nurse faculty. Schools (herein referenced as institutions) are required to design and implement curriculum to prepare nursing students to apply teaching strategies, develop curriculum for both classroom and clinical instruction, and be able to create effective methods for evaluation of student learning outcomes. Grantees are awarded funds to support nursing students and are expected to establish and operate a distinct, interest-bearing NFLP loan fund. Institutions make loans from this fund to assist registered nurses in completing their graduate nursing education to become qualified nurse faculty. The program offers cancellation of up to 85 percent of NFLP loans for borrowers that graduate and serve as full-time nursing faculty for the prescribed period of time. **HRSA-16-065**

- URL: <http://www.grants.gov/web/grants/view-opportunity.html?oppld=278932>

BRAIN Initiative: Foundations of Non-Invasive Functional Human Brain Imaging and Recording - Bridging Scales and Modalities (R01)

National Institutes of Health (NIH)

Due Date: Letters of Intent 12/6/2015; Applications 1/6/2016

This funding opportunity announcement (FOA), in support of the NIH Brain Research through Advancing Innovative Neurotechnologies (BRAIN) Initiative, aims to support transformative discoveries that will lead to breakthroughs in understanding human brain function. Guided by the long-term scientific plan, "BRAIN 2025: A Scientific Vision," this FOA specifically seeks to support efforts that will revolutionize our understanding of the biological activity underlying, and bioinformatic content of, data collected using contemporary non-invasive functional brain imaging techniques. The hope is that these transformative discoveries will lead to breakthroughs in understanding the dynamic activity of the human brain. **RFA-MH-16-750**

- URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-16-750.html>

Novel Approaches to Diagnosing Alzheimer's Disease and Predicting Progression (R01)

National Institutes of Health (NIH) - National Institute on Aging (NIA)

Due Date: 12/11/2015, 2/5/2016

This Funding Opportunity Announcement (FOA) encourages research applications to identify novel biomarkers to diagnose Alzheimer's disease and to predict clinical course. While they have become essential to clinical studies of AD, currently available biomarkers have shortcomings. Neuroimaging measures of neurodegeneration are nonspecific and difficult to tease apart from changes associated with normal aging. Measures of brain amyloidosis correlate weakly with cognitive impairment. There

is no biomarker whose presence reliably or uniquely distinguishes normal from abnormal brain function and there is no established biomarker measurement that robustly predicts subsequent clinical course. There are no biomarkers that identify other aging-related proteinopathies associated with cognitive impairment (alpha-synuclein and TDP-43) that often co-occur with AD. MRI and PET scans are expensive and PET scans involve exposure to radioactivity. CSF sampling requires a lumbar puncture, which many participants/subjects find objectionable. Currently-available biomarkers are invasive, to one degree or another, and better suited to research at academic centers than for use in the non-institutional or community settings. A biomarker that could be used for screening in a primary-care setting would be particularly useful. The goal of this FOA is to identify new approaches to diagnosing AD and predicting outcome. These novel biomarkers should provide new biological information about patients with dementia and/or address the shortcomings of currently-validated biomarkers. **This FOA hopes to facilitate projects that will accomplish one or more of 3 aims:**

1. Identifying new biomarkers that provide novel insights into the pathophysiological basis of AD
2. Identifying new biomarkers that are minimally invasive, inexpensive, usable in community settings, and that could be used for screening a general population
3. Identifying new biomarkers that could serve as surrogate measures for disease progression in AD

This FOA is not intended to validate a new biomarker, but rather to establish proof of concept. It may be useful to employ an existing biomarker as a "gold standard" for the novel biomarker but this FOA is not primarily intended to study validated biomarkers or to validate putative biomarkers that are already actively studied in AD. Both clinical and preclinical studies may be supported by this FOA. **PAR-15-359**

- URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-15-359.html>

Understanding Alzheimer's Disease in the Context of the Aging Brain (R01)

National Institutes of Health (NIH) - National Institute on Aging (NIA)

Due Date: 12/16/2015, 2/5/2016

The goal of this Funding Opportunity Announcement (FOA) is to establish the role and impact of brain aging in the development and progression of Alzheimer's disease (AD). Comprehensive and integrative characterization of brain aging will help to define the mechanisms underlying the shift from healthy brain aging to the neuropathological processes of AD, knowledge that is critical for the design and development of effective interventions. Cross-disciplinary approaches to integrate findings on AD with research on the basic biology and neurobiology of aging are encouraged. **PAR-15-357**

- URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-15-357.html>

Grant Program

Alcoholic Beverage Medical Research Foundation (ABMRF)

Due Date: 2/15/2016

The Foundation accepts applications for grants to conduct research on the effects of alcohol consumption on health and behavior. The following areas are of greater interest: **1.** Studies on how particular patterns of consumption (quantity of alcohol consumed, types of alcoholic beverages consumed, frequency of consumption and context) are related to health and behavioral outcomes.

2. Interdisciplinary, bio-informatics, and other approaches to elucidate genetic and environmental factors that influence the patterns of consumption of alcoholic beverages and related consequences.

The Foundation encourages basic and clinical research, including epidemiology. Examples of research topics include factors influencing underage drinking, mechanisms of alcohol-related organ injury, fetal alcohol spectrum disorders, and effects of alcohol on general health. The Foundation does not support research on treatment of the complications of advanced alcoholism. However, research involving treatment paradigms intended to elucidate the pathogenesis of alcohol-related problems will be considered. Non-research activities such as education projects, public awareness efforts and referral services are not eligible for support. The following categories describe the types of support provided; however, applicants need not specify the type of support they are requesting, and should be aware that funds are not set aside specifically for these categories.

1. Research Project Grants - This type of support provides funds for a specific research project to be conducted by the named principal investigator. The project must be original research to develop new knowledge in a wide range of topics relevant to alcohol use and misuse. These grants provide support for the career development of highly promising new scientists just entering the field of alcohol research. The award is intended to provide funds for an original research project conducted by the awardee, to assist in the transition to independent research status following completion of training.

2. Data Analysis Grants - Funds may be provided for the analysis of previously collected data. Typically, data analysis grants are awarded funding for only a single year. They include such major data sets in the U.S. as the various National Health and Nutrition Examination Surveys (HANES), National Health Interview Surveys (NHIS), Multiple Causes of Death, Mortality Detail, and Fatal Accident Reporting System (FARS). Requests may be submitted to analyze other national or regional data sets, if made available by the individual investigator. This type of grant is not intended to provide funds to analyze data previously collected by the applicant to complete a research project.

3. Pilot/Preliminary Studies - Funds may be requested to conduct pilot/preliminary studies to determine the feasibility of conducting a study of interactions of biological and behavioral variables which would result in a larger and more expensive research project. Such a study may be designed to test a new method or approach to study biobehavioral events, or to collect data on a sample of subjects to document the practicality of an interdisciplinary project.

- URL: http://www.abmrf.org/applying_grant

NEW FACULTY/INVESTIGATOR

2015-2016 Research Grant Program

SHAPE America

Due Date: 11/2/2015

[SHAPE America](#) is the largest organization of professionals involved in school-based health, physical education and physical activity, who are dedicated to teaching and promoting active, healthy lifestyles. The organization has issued a Request for Proposals to early career investigators and graduate students for original research projects designed to provide evidence-based outcomes to promote or document the value, influence, or effect of social justice and diversity in health, physical education, physical activity, dance, and/or sport in schools. To be eligible, early career investigators must have been a member of SHAPE America and the organization's Research Council for at least one full year at the time of application. In addition, applicants must be five years or less past completion of a terminal degree; must not have advanced past the position of assistant professor; have presented research and publishing papers in professional journals; and be on the faculty or staff of the university/organization where the research is to be performed. The maximum amount awarded for the Early Career Investigator Grant is \$5,000. All grant applicants should pay special attention to [50 Million Strong](#), SHAPE America's initiative to ensure that all of America's students develop the skills, knowledge and confidence to enjoy healthy, meaningful physical activity.

- URL: <http://www.shapeamerica.org/grants/research/>

National Academy of Education/Spencer Postdoctoral Fellowship Program

National Academy of Education (NAEd)

Due Date: 11/5/2015

This postdoctoral fellowship program supports early career scholars working in critical areas of education research. This nonresidential postdoctoral fellowship funds proposals that make significant scholarly contributions to the field of education. The program also develops the careers of its recipients through professional development activities involving National Academy of Education members. Proposed project must be an education research project. NAEd funds studies that examine the efficacy of curriculum and teaching methods, however, NAEd does not fund the initial development of curriculum or instructional programs. Applications must be made by the individual applying for the fellowship.

- URL: http://www.naeducation.org/NAED_080201.htm

SOCIAL & BEHAVIORAL SCIENCES

Interdisciplinary Behavioral and Social Science Research (IBSS)

National Science Foundation (NSF)

Due Date: 12/1/2015

The Interdisciplinary Behavioral and Social Science Research (IBSS) competition seeks to support research conducted by integrated teams of researchers from two or more social, behavioral, and economic (SBE) disciplines. These teams should engage in integrated research that employs methods and techniques from multiple SBE disciplines, and the results of the team's research should be likely to significantly enhance theoretical understandings or have other stimulating and/or catalytic impacts across a range of SBE disciplinary fields. Although the IBSS competition will consider any proposal that addresses a topic for which the proposal makes a compelling case that the research will enhance broader theoretical understanding across multiple social and behavioral science fields, social and behavioral science researchers are especially encouraged to submit proposals for research on one of the following three general topics: Population Change; Sources and Consequences of Disparities; and Technology, New Media, and Social Networks. As a central part of NSF, the Directorate for Social, Behavioral, and Economic Sciences seeks to support fundamental research and related activities in alignment with the first two strategic goals identified in the [27]NSF Strategic Plan for 2014-2018. Those strategic goals are (1) Transform the Frontiers of Science and Engineering and (2) Stimulate Innovation and Address Societal Needs through Research and Education. The strategic plan notes that in pursuit of these goals, "NSF supports fundamental, interdisciplinary, high-risk, and potentially transformative research in science and engineering." The plan also notes that its strategic objectives are aimed at developing connections between new insights and global challenges, "often involving essential interdisciplinary collaborations." The IBSS competition seeks to support research conducted by SBE scientists from multiple disciplines as collaborating members of teams that engage in integrated research employing methods and techniques from multiple disciplines and whose results are likely to enhance theories and/or methodological approaches or have other stimulating and/or catalytic impacts across a range of disciplinary fields. There are a broad range of topics for which compelling interdisciplinary research might be conducted in the social and behavioral sciences. While willing to accept proposals for any topic, the Directorate for Social, Behavioral, and Economic Sciences especially encourages IBSS research on one of the following three general topics:

- **Population Change**
- **Sources and Consequences of Disparities**
- **Technology, New Media, and Social Networks**

Although the NSF Directorate for Social, Behavioral, and Economic Sciences extends special encouragement for proposals dealing with one of these three general topics, the IBSS competition will consider proposals for interdisciplinary research projects examining other topics if those proposals

make compelling cases that the proposed research will significantly enhance broader theoretical understanding and make intellectual contributions across multiple social and behavioral science fields.
NSF 15-588

- URL: <http://www.nsf.gov/pubs/2015/nsf15588/nsf15588.htm>

STUDENTS

International Dissertation Research Fellowship (IDRF) Program

Social Science Research Council (SSRC)

Due Date: 11/3/2015

The program invites proposals for dissertation research conducted, in whole or in part, outside the United States, on non-US topics. It will consider applications for dissertation research grounded in a single site, informed by broader cross-regional and interdisciplinary perspectives, as well as applications for multi-sited, comparative, and transregional research. Proposals that identify the United States as a case for comparative inquiry are welcome; however, proposals that focus predominantly or exclusively on the United States are not eligible. Applicants from select disciplines within the humanities (Art History, Architectural History, Classics, Drama/Theater, Film Studies, Literature, Musicology, Performance Studies, Philosophy, Political Theory, and Religion) are welcome to request three or more months of funding for international on-site dissertation research in combination with site-specific research in the United States, for a total of nine to twelve months of funding. All other applicants (for instance, those in Anthropology, Geography, History, Political Science, and Sociology, among others) must request nine to twelve months of on-site, site-specific dissertation research with a minimum of six months of research outside of the United States. Research within the United States must be site-specific (e.g., at a particular archive) and cannot be at the applicant's home institution unless that institution has necessary site-specific research holdings. Please note that the IDRF program supports research only and may not be used for dissertation write-up. The IDRF competition promotes a range of approaches and research designs beyond single-site or single-country research, including comparative work at the national and regional levels and explicit comparison of cases across time frames. The program is open to proposals informed by a range of methodologies in the humanities and humanistic social sciences, including research in archives and manuscript collections, fieldwork and surveys, and quantitative data collection.

- URL: <http://www.ssrc.org/fellowships/idrf-fellowship/>