



Funding Bulletin

March 14th, 2014 (Vol. 1, No. 13)

Funding Information

To receive funding information, please contact Sarah Haug, Funding Opportunity Specialist, Office of Research and Technology Transfer, phone: 316-978-6803, e-mail: sarah.haug@wichita.edu

NOTICE – The Funding Bulletin is available 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.

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How to Apply

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

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

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

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 four limited submissions:

(1) Initiative for Maximizing Student Development (IMSD) (R25)

U.S. Department of Health and Human Services (HHS); National Institutes of Health (NIH); National Institute of General Medical Sciences (NIGMS)

Due Dates: Internal 3/21/2014; Applications 5/1/2014

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The goal of this NIGMS R25 program is to support educational activities that enhance the diversity of the biomedical, behavioral and clinical research workforce. To this end, this funding opportunity announcement encourages the development of creative educational activities with a primary focuses on research experiences, courses for skills development and mentoring activities. **Only one application per institution is allowed. PAR-14-121**

- URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-14-121.html>

(2) High Performance Computing System Acquisition: Continuing the Building of a More Inclusive Computing Environment for Science and Engineering

National Science Foundation (NSF)

Due Date: Internal 3/31/2014; Applications 5/14/2014

The intent of this solicitation is to request proposals from organizations willing to serve as Resource Providers within the NSF eXtreme Digital (XD) program. The current solicitation is intended to complement previous NSF investments in advanced computational infrastructure by exploring new and creative approaches to delivering innovative computational resources to an increasingly diverse community and portfolio of scientific research and education. NSF's vision for Advanced Computing Infrastructure, which supports Cyberinfrastructure Framework for 21st Century Science and Engineering (CIF21), focuses specifically on ensuring that the science and engineering community has ready access to the advanced computational and data-driven capabilities required to tackle the most complex problems and issues facing today's scientific and educational communities. **An organization**

may submit only one proposal but may be a sub-awardee on other proposals responding to this solicitation. NSF 14-536

- URL: <http://www.nsf.gov/pubs/2014/nsf14536/nsf14536.htm>

(3) Sustainability Research Networks Competition (SRN) 2014 Focus: Urban Sustainability
National Science Foundation (NSF)
Due Date: Internal 4/1/2014; Proposals 4/29/2014

The goal of the Sustainability Research Networks (SRN) competition is to bring together multidisciplinary teams of researchers, educators, managers, policymakers and other stakeholders to conduct collaborative research that addresses fundamental challenges in sustainability. The 2014 SRN competition will fund research networks with a focus on **urban sustainability**. Proposals should identify an ambitious and nationally important theme in urban sustainability, present a creative and innovative research agenda that builds upon existing work in this area, and describe how a network of researchers and other stakeholders will be supported that integrates a variety of disciplines, sectors and backgrounds in order to create new perspectives and yield significant new understanding and knowledge. **Limit 3 lead proposals per institution. NSF 14-534**

- URL: http://www.nsf.gov/pubs/2014/nsf14534/nsf14534.htm?WT.mc_id=USNSF_25&WT.mc_ev=click

(4) Nanotechnology Undergraduate Education (NUE) in Engineering
National Science Foundation (NSF)
Due Date: Internal 4/14/2014; Applications 5/27/2014

This solicitation aims at introducing nanoscale science, engineering, and technology through a variety of interdisciplinary approaches into undergraduate engineering education. The focus of the FY 2014 competition is on nanoscale engineering education with relevance to devices and systems and/or on the societal, ethical, economic and/or environmental issues relevant to nanotechnology. A well-prepared, innovative science, technology, engineering and mathematics (STEM) workforce is crucial to the Nation's health and economy. Indeed, recent policy actions and reports have drawn attention to the opportunities and challenges inherent in increasing the number of highly qualified STEM graduates, including STEM teachers. Priorities include educating students to be leaders and innovators in emerging and rapidly changing STEM fields as well as educating a scientifically literate populace; both of these priorities depend on the nature and quality of the undergraduate education experience. In addressing these STEM challenges and priorities, the National Science Foundation



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invests in research-based and research-generating approaches to understanding STEM learning; to designing, testing, and studying curricular change; to wide dissemination and implementation of best practices; and to broadening participation of individuals and institutions in STEM fields. The goals of these investments include: increasing student retention in STEM, to prepare students well to participate in science for tomorrow, and to improve students' STEM learning outcomes. Recognizing disciplinary differences and priorities, NSF's investment in research and development in undergraduate STEM education encompasses a range of approaches. These approaches include: experiential learning, assessment/metrics of learning and practice, scholarships, foundational education research, professional development/institutional change, formal and informal learning environments, and undergraduate disciplinary research. Both individually and integrated in a range of combinations, these approaches can lead to outcomes including: developing the STEM and STEM-related workforce, advancing science, broadening participation in STEM, educating a STEM-literate populace, improving K-12 STEM education, encouraging life-long learning, and building capacity in higher education. **Only one proposal per institution is allowed. NSF 14-541**

- URL: http://www.nsf.gov/pubs/2014/nsf14541/nsf14541.htm?WT.mc_id=USNSF_25&WT.mc_ev=click

INTERNAL OPPORTUNITIES

University Research/Creative Projects (URCA)

Wichita State University

Due Date: 4/4/2014

Applications for the University Research/Creative Projects (URCA) awards are due to the Office of Research and Technology Transfer by April 4th at 5:00p.m. Awards are intended to retool or reestablish productive research/creative projects agenda. In areas where external funding is available, the URCA may be used as seed money to develop pilot data (grant period July 1, 2014 – June 15, 2015). Areas where access to external sources is limited may receive special consideration. Grants may be for up to \$4,500 awarded in two separate competitions: New - tenure-eligible faculty in their first or second year of probation to initiate research/creative projects, and Established - tenured faculty or probationary faculty in their 3rd (or more) year of probation to retool or reestablish productive research/creative agenda. Application and instructions are available on the research website and may be submitted electronically to proposals@wichita.edu or Campus Box 7.

For more information, visit

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

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GENERAL

Young Investigators' Grants and Program Grants

Human Frontier Science Program Organization (HFSP)

Due Date: Required registration 3/20/2014; Letters of Intent 3/27/2014

The Human Frontier Science Program (HFSP) supports innovative basic research into fundamental biological problems with emphasis placed on novel and interdisciplinary approaches that involve scientific exchanges across national and disciplinary boundaries. In the past decade biological research has become increasingly quantitative rather than descriptive. The participation of scientists from disciplines outside the traditional life sciences such as biophysics, chemistry, computational biology, computer science, engineering, mathematics, nanoscience or physics has contributed to this change and will continue to do so. Such collaborations have opened up new approaches for understanding the complex structures and regulatory networks that characterize living organisms, their evolution and interactions. There are two types of grant: Young Investigators' Grants are for teams of scientists who are all within 5 years of establishing an independent laboratory and within 10 years of obtaining their Ph.D.s. Program Grants are for independent scientists at all stages of their careers, although the participation of younger scientists is especially encouraged.

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

ROSES 2014: Emerging Worlds

National Aeronautics and Space Administration (NASA)

Due Date: Step 1 Proposals 3/31/2014

The Emerging Worlds program solicits research proposals to conduct scientific investigations related to understanding the formation and early evolution of our Solar System. It covers the physics and chemistry of events and materials that are relevant to the formation of planets, satellites, and minor bodies, including dust, and to the early history of these bodies. **NNH14ZDA001N-EW**

- URL: <http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={A9E96B94-7212-B090-806E-EB9E859FB4C6}&path=init>

Transformative Science

United States – Israel Binational Science Foundation (NSF)

Due Date: 4/10/2014

The U.S. - Israel Binational Science Foundation (BSF) is pleased to announce the opening of the 4th round of applications in its new research grants program devoted to Transformative Science. The BSF definition of Transformative Science has been adopted from the NSF and is: Research driven by ideas that have potential to radically change our understanding of an important scientific concept, or lead to the creation of a new paradigm, or a new field of science. Such research is also characterized by its challenge to current understanding or by its pathways to new frontiers. Proposals will be evaluated first and foremost on their transformative nature, but naturally also need to exhibit scientific excellence. Applications must be submitted jointly by at least one Israeli and one American scientist, as required in all BSF programs.

- URL: <http://www.bsf.org.il/data/FormsToDownload/BSF-Transformative-Call.pdf>

Grants

The Sunderland Foundation

Due Date: Proposals accepted on an ongoing basis (reviewed every April, June, September, December)

Areas of interest include higher education, churches, youth serving agencies, health facilities, community buildings, museums, civic projects, and low maintenance, energy efficient housing projects sponsored by qualified tax-exempt organizations. In 2013, the Foundation awarded more than \$2.2 million to more than 30 educational organizations. Grantees included community colleges, private colleges, and public universities. For more information visit the full site:

- URL: <http://www.sunderlandfoundation.org/ApplicationGuidelines.asp>

Faculty Research Awards

Google

Due date: 4/15/2014, 10/15/2014

The company is committed to developing new technologies to help users find and use information. As part of that vision, the Research Awards program aims to identify and support world-class, full-time faculty pursuing research in areas of mutual interest. The intent of the Awards is to support cutting-edge research in Computer Science, Engineering, and related fields (awards tend to fund projects that

are highly technical in nature). Through the program, the company tries to fund projects where collaboration with the company will be especially valuable to the research team. The program is designed to support work whose output will be made available to the public and to the research community. Applicants are asked to categorize their proposals into one of the following broad research areas of interest to the company: - Economics and market algorithms - Geo/maps - Human-computer interaction - Information retrieval, extraction, and organization - Machine learning and data mining - Machine perception - Machine translation - Mobile - Natural language processing - Networking Policy and standards - Privacy - Security - Social networks - Software engineering - Speech - Structured data and database management - Systems (hardware and software) Each funded project will be assigned a company sponsor. The role of the sponsor is to support the project by discussing research directions, engaging with professors and students, and overseeing collaboration between the project team and the company. The company encourages Awards recipients to visit to give talks related to their work and meet with relevant research groups.

- URL: http://research.google.com/university/relations/research_awards.html

Women and Minorities in Science, Technology, Engineering and Mathematics Fields Program (WAMS)

National Institute of Food and Agriculture (NIFA)

Due Date: 4/28/2014

NIFA requests applications for the Women and Minorities in Science, Technology, Engineering and Mathematics Fields Program (WAMS) for FY 2014 to support research and Extension activities that increase the number of women and underrepresented minorities from rural areas who will pursue and complete a postsecondary degree in science, technology, engineering or mathematics (STEM) disciplines. NIFA is soliciting applications for the WAMS under the following areas: STEM-related Priority Areas within the 2008 Farm Bill: Plant Health and Production and Plant Products; Animal Health and Production and Animal Products; Food Safety, Nutrition, and Health; Renewable Energy, Natural Resources, and Environment; Agricultural Systems and Technology; and Agriculture Economics and Rural Communities. Similarly, NIFA's mission is to direct food and agricultural sciences research, education, and Extension programs toward addressing STEM-related Priority Areas in: Global Food Security and Hunger, Climate Change, Sustainable Energy, Childhood Obesity, and Food Safety. **USDA-NIFA-WAMS-004491**

- URL: <http://www.nifa.usda.gov/fo/womenandminoritiesinsciencetechnologyengineeringandmathematics.cfm>

NIJ FY 14 New Approaches to Digital Evidence Processing and Storage

National Institute of Justice (NIJ) — Department of Justice (DOJ)

Due Date: 4/28/2014

Notice seeking proposals for research and technology development leading to the introduction into practice of new, innovative means to speed forensic processing of large capacity digital media, and to reduce digital evidence storage requirements. **NIJ-2014-3727**

- URL: <https://ncjrs.gov/pdffiles1/nij/sl001078.pdf>

NIJ FY 14 Optimizing the Use of Video Technology to Improve Criminal Justice Outcomes

National Institute of Justice (NIJ) — Department of Justice (DOJ)

Due Date: 4/28/2014

With this solicitation, NIJ seeks proposals from research organizations partnered with state, local, or tribal criminal justice agencies for funding for research to identify, implement, and evaluate those applications of video cameras and advanced video analysis software that provide optimum crime control and prevention outcomes. NIJ is most interested in receiving proposals involving the integration of video technology into policing strategies, most particularly those involving quantitative data analysis methods. NIJ will also consider proposals dealing with criminal courts and correctional environments. **NIJ-2014-3723**

- URL: <https://ncjrs.gov/pdffiles1/nij/sl001080.pdf>

ARTS & HUMANITIES

New Music USA Project Grants

New Music USA

Due Dates: 4/1/2014, 10/1/2014

New Music USA is supporting music in a new way. Instead of filling out a grant application, musicians create a private project page that includes all their work samples and project information. If a grant is awarded, New Music USA will publish the project page. Once published, grantees will be able to post updates as the project unfolds.

This year, New Music USA will provide between a hundred and a hundred and fifty individuals with project grants ranging from \$250 to \$20,000 each.

Project Grants support music projects that involve premieres of new music through a live performance or recording. Requests can come from individuals or organizations, and projects can take place up to two years past the deadline, or up to six months prior. New Music USA is especially interested in funding artists directly for their work, whether that involves creating, engaging, performing, or something else. Priority will be given for the creation of new musical work, new live music for dance, recording costs, and residency and community outreach activities. The most competitive projects include living composers and recent music.

Visit the New Music USA Web site for complete program guidelines and the application form.

- URL: <https://www.newmusicusa.org/grants/new-music-usa-project-grants/>

Arts, Culture & Design in Schools Grants

Target

Due Date: 4/30/2014

Target funds in-school arts programs that enhance students' classroom curricula by bringing the arts and cultural experiences to schools, such as in-school performances, artist-in-residency programs and workshops in schools. Local Store Grants are available to organizations located in communities where Target does business. Applicants must be 501(c)(3) organizations, schools, libraries, or public agencies.

- URL: <https://corporate.target.com/corporate-responsibility/grants/arts-culture-design-in-schools-grants>

Challenge Grants

National Endowment for the Humanities (NEH)

Due Date: 5/1/2014

NEH challenge grants are capacity-building grants, intended to help institutions and organizations secure long-term improvements in and support for their humanities programs and resources. Through these awards, many organizations and institutions have been able to increase their humanities capacity and secure the permanent support of an endowment. Grants may be used to establish or enhance endowments or spend-down funds that generate expendable earnings to support and enhance ongoing program activities. Challenge grants may also provide capital directly

supporting the procurement of long-lasting objects, such as acquisitions for archives and collections, the purchase of equipment, and the construction or renovation of facilities needed for humanities activities. Funds spent directly must be shown to bring long-term benefits to the institution and to the humanities more broadly. Grantee institutions may also expend up to 10 percent of total grant funds (federal funds plus matching funds) to defray costs of fundraising to meet the NEH challenge. Because of the matching requirement, these NEH grants also strengthen the humanities by encouraging nonfederal sources of support. Applications are welcome from colleges and universities, museums, public libraries, research institutions, historical societies and historic sites, scholarly associations, state humanities councils, and other nonprofit humanities entities. Programs that involve collaboration among multiple institutions are eligible as well, but one institution must serve as the lead agent and formal applicant of record.

- URL: <http://www.neh.gov/grants/challenge/challenge-grants>

Fellowships for Advanced Social Science Research on Japan

National Endowment for the Humanities (NEH)

Due Date: 5/1/2014

The Fellowship Program for Advanced Social Science Research on Japan is a joint activity of the Japan-U.S. Friendship Commission (JUSFC) and the National Endowment for the Humanities. Awards support research on modern Japanese society and political economy, Japan's international relations, and U.S.-Japan relations. The program encourages innovative research that puts these subjects in wider regional and global contexts and is comparative and contemporary in nature. Research should contribute to scholarly knowledge or to the general public's understanding of issues of concern to Japan and the United States. Appropriate disciplines for the research include anthropology, economics, geography, history, international relations, linguistics, political science, psychology, public administration, and sociology. Awards usually result in articles, monographs, books, digital materials, archaeological site reports, translations, editions, or other scholarly resources.

- URL: <http://www.neh.gov/files/grants/fellowships-japan-may-1-2014.pdf>

Preservation and Access Education and Training

National Endowment for the Humanities (NEH)

Due Date: 5/1/2014

The Preservation and Access Education and Training program is central to NEH's efforts to preserve and establish access to cultural heritage collections. Thousands of libraries, archives, museums, and historical organizations 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. The challenge of preserving and making accessible such large and diverse holdings is enormous, and the need for knowledgeable staff is significant and ongoing. Preservation and Access Education and Training grants are awarded to organizations that offer national or regional (multistate) education and training programs. Grants aim to help the staff of cultural institutions, large and small, obtain the knowledge and skills needed to serve as effective stewards of humanities collections. Grants also support educational programs that prepare the next generation of conservators and preservation professionals, as well as projects that introduce the staff of cultural institutions to new information and advances in preservation and access practices.

- URL: <http://www.neh.gov/grants/preservation/preservation-and-access-education-and-training>

Preservation and Access Research and Development

National Endowment for the Humanities (NEH)

Due Date: 5/1/2014

Preservation and Access Research and Development grants support projects that address major challenges in preserving or providing access to humanities collections and resources. These challenges include the need to find better ways to preserve materials of critical importance to the nation's cultural heritage—from fragile artifacts and manuscripts to analog recordings and digital assets subject to technological obsolescence—and to develop advanced modes of searching, discovering, and using such materials. Applicants should define a specific problem, devise procedures and potential solutions, and explain how they would evaluate their projects and disseminate their findings. Project results must serve the needs of a significant number of humanists.

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

Preservation and Access Research and Development

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- **URL:**<http://www.neh.gov/grants/preservation/preservation-and-access-research-and-development>

EDUCATION

Strengthening Secondary Education

Arthur Vining Davis Foundations

Due Date: 4/1/2014, 11/1/2014

The [Arthur Vining Davis Foundations](#) supports innovative professional development programs that strengthen high school teachers and their teaching. Proposals may describe a wide range of initiatives, including projects that improve professional development for in-service and pre-service teachers, strengthen teaching skills, support practical research in high school education, and/or encourage the innovative use of technology and new techniques for presentation of classroom materials. Projects should aim to develop solutions with potential for wide application or replication by others. Requests for support from well-established programs should be for initiatives with the potential to improve the program significantly. Special consideration will be given to projects in their early stages that address the concerns and problems of secondary education on a national level. In considering proposals to support high school teaching, sustained partnerships between the faculties of colleges (e.g., arts and sciences and education) and school districts, or collaborative efforts involving reform organizations, colleges/universities, and high schools are encouraged. Eligible institutions include but are not limited to public and private colleges and universities, graduate schools of education, and freestanding educational institutes. Grant amounts will range from

\$100,000 to \$200,000. See the Arthur Vining Davis Foundations Web site for complete program guidelines, an FAQ, a list of recently awarded grants, and application instructions.

- URL: <http://www.avdf.org/FoundationPrograms/SecondaryEducation.aspx>

ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

Cyber-Innovation for Sustainability Science and Engineering (Cyber-SEES)

National Science Foundation (NSF)

Due Date: 4/8/2014, 2/3/2015

This Cyber-Innovation for Sustainability Science and Engineering (CyberSEES) solicitation aims to advance computing and information sciences research and infrastructure in tandem with other disciplines to develop analyses, methods, prototypes, and systems that lead to an increased understanding of sustainability and to solutions to sustainability challenges. Proposals are expected to forge interdisciplinary collaborations among the computer and information sciences, social and natural sciences, geosciences, mathematical sciences, engineering, and associated cyberinfrastructure to address challenging sustainability problems. **NSF 14-531**

- URL: <http://www.nsf.gov/pubs/2014/nsf14531/nsf14531.htm>

Fiscal Year (FY) 14 Brownfields Training, Research, and Technical Assistance Grants Guidelines

Environmental Protection Agency (EPA)

Due Date: 4/18/2014

This notice announces the availability of funds and solicits proposals from eligible entities, including nonprofit organizations, to conduct research, or provide technical assistance to communities facing brownfields cleanup and revitalization challenges. Focus areas of this announcement include: 1) technical assistance to environmental workforce development and job training grantees, 2) technical assistance on the integration of environmental justice and equitable development for brownfields-impacted communities, 3) research on the benefits of brownfields redevelopment, and 4) technical assistance on brownfields financing and economic development strategies to brownfields-impacted communities. **EPA-OSWER-OBLR-14-02**

- URL: <http://www.epa.gov/oswer/docs/grants/epa-oswer-oblr-14-02.pdf>

Research Interests of the Air Force Office of Scientific Research

U. S. Department of Defense (DOD), Department of the Air Force, Air Force Office of Scientific Research (AFOSR)

Due Date: White papers accepted on a continual basis

AFOSR plans, coordinates, and executes the Air Force Research Laboratory's (AFRL) basic research program in response to technical guidance from AFRL and requirements of the Air Force; fosters, supports, and conducts research within Air Force, university, and industry laboratories; and ensures transition of research results to support U.S. Air Force needs. The focus of AFOSR is on research areas that offer significant and comprehensive benefits to our national warfighting and peacekeeping capabilities. These areas are organized and managed in five scientific Departments: Dynamical Systems and Control (RTA), Quantum and Non-Equilibrium Processes (RTB), Information, Decision and Complex Networks (RTC), Complex Materials and Devices (RTD), and Energy, Power and Propulsion (RTE). **BAA-AFOSR-2014-0001**

- URL: <http://www.grants.gov/view-opportunity.html?oppld=252028>

Research in Bio-Molecular Science and Engineering

Department of the Navy; Office of Naval Research (ONR), Center for Bio-Molecular Science and Engineering

Due Date: White papers accepted on a continual basis

The Center for Bio-Molecular Science and Engineering of the Naval Research Laboratory (NRL) conducts multidisciplinary research in biotechnology using the techniques of modern molecular biology, biophysics, chemistry, microelectronics, and engineering to fabricate biosensors, biomaterials, and advanced systems. Please follow the link to view current research areas. It is expected that multiple projects may result with each targeted to a particular technology or application area. **BAA 69-13-01**

- URL: http://heron.nrl.navy.mil/contracts/baa/FY13%20TOPICS/691301_Research%20in%20Bio-Molecular%20Science%20and%20Engineering.pdf

Mathematics Travel Grants for Women Researchers

Association for Women in Mathematics (AWM)

Due Date: 5/1/2014, 10/1/2014, 2/1/2015

The Association for Women in Mathematics has administered the NSF-AWM Travel Grant Program for Women since 1988, supporting both travel to domestic or foreign research conferences and, more recently, longer-term visits with a mentor. The Program continues to attract applicants of exceptional quality, and it is always the case that many deserving applicants cannot be funded. On average, only a third of those applying can be supported. The purpose of the travel grants is to enhance the research activities of women mathematicians and increase their visibility in various research venues. The Mathematics Travel Grants provide full or partial support for travel and subsistence for a meeting or conference in the applicant's field of specialization.

- URL: <https://sites.google.com/site/awmmath/programs/travel-grants/mathematics-travel-grants>

Mathematics Education Research Travel Grants for Women Researchers

Association for Women in Mathematics (AWM)

Due Date: 5/1/2014, 10/1/2014, 2/1/2015

There are a variety of reasons to encourage interaction between mathematicians and educational researchers. National reports recommend encouraging collaboration between mathematicians and researchers in education and related fields in order to improve the education of teachers and students. Communication between mathematicians and educational researchers is often poor and second-hand accounts of research in education can be misleading. Particularly relevant to the AWM is the fact that high-profile panels of mathematicians and educational researchers rarely include women mathematicians. The Mathematics Education Research Travel Grants provide full or partial support for travel and subsistence for:

- mathematicians attending a research conference in mathematics education or related field
- researchers in mathematics education (or related field) attending a mathematics conference.

(Please note that mathematics education researchers attending mathematics education research conferences are not eligible for this grant.)

- URL: <https://sites.google.com/site/awmmath/programs/travel-grants/mathematics-education-research-travel-grants>

HEALTH & LIFE SCIENCES

Research Opportunities for Flight Experiments in Space Biology

National Aeronautics and Space Administration (NASA)

Due Date: Step 1 3/28/2014

This NASA Research Announcement (NRA) solicits hypothesis-driven space-flight research in Space Biology (SB) to be conducted on ISS. NASA SB experiments have one or more of the following primary goals: 1) to effectively use microgravity and the other characteristics of the space environment to enhance our understanding of basic biological processes; 2) to develop the scientific and technological foundations for a safe, productive human presence in space for extended periods and in preparation for exploration; and 3) to apply this knowledge and technology to improve our nation's competitiveness, education, and the quality of life on Earth. NASA SB experiments will be designed to discover how space flight affects a diverse group of microorganisms, plants, and animals; study the effects of gravity (g) across the g-spectrum, i.e., from micro- to hyper-gravity; and characterize the biological effects of radiation, magnetic fields, and the interaction among species in the unusual environments of space and spacecraft. In this NRA, selection preference will be given to proposals developed by teams of investigators that provide a multifaceted, integrated project to understand some aspect of adaptation to space by biological systems. **NNH14ZTT002N**

- **URL:** <http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={941DF9FE-FF58-EAA1-F7F6-13464F1293AC}&path=init>

MacroSystems Biology

National Science Foundation (NSF)

Due Date: 4/7/2014

The MacroSystems Biology: Research on Biological Systems at Regional to Continental Scales will support quantitative, interdisciplinary, systems-oriented research on biosphere processes and their complex interactions with climate, land use, and invasive species at regional to continental scales as well as planning, training, and development activities to enable groups to conduct MacroSystems Biology Research. Proposals should include quantitative research approaches such as mathematical or computational models; numerical simulations; artificial intelligence techniques; statistics; visualization; or database development. Proposals are encouraged for the development and/or integration of macrosystems models (e.g., data-assimilation, biological, ecological, environmental) that connect local, regional, and continental scales. These models should address key problems linking ecological and evolutionary processes over a variety of spatial and temporal scales. Projects should develop theoretical foundations that will be useful for modeling based on either existing data

and/or data to be collected by existing or planned environmental observatories. Mathematical models should include appropriate estimates of uncertainty, and experiments should assess power and precision. **NSF 12-532**

- URL: <http://www.nsf.gov/pubs/2012/nsf12532/nsf12532.htm>

Agriculture and Food Research Initiative - Childhood Obesity Prevention

United State Department of Agriculture (USDA)

Due Date: Letters of Intent 4/17/2014; Applications 6/19/2014

The FY 2014 AFRI Childhood Obesity Prevention RFA calls for a focus on behavioral and environmental approaches to obesity prevention in children, but the particular issues to be addressed and how to address them will be developed by the investigator(s). The Childhood Obesity Prevention RFA focuses on the societal challenge to end child obesity. In the Childhood Obesity Prevention Challenge Area RFA, specific program areas are designed to achieve the long-term outcome of reducing the prevalence of overweight and obesity among children and adolescents. Project types supported by AFRI within this RFA include multi-function Integrated Research, Education, and Extension projects and FASE grants. **USDA-NIFA-AFRI-004492**

- URL: <http://www.nifa.usda.gov/funding/rfas/afri.html>

Plant Genome Research Program (PGRP)

National Science Foundation (NSF)

Due Date: 4/28/2014

This program is a continuation of the Plant Genome Research Program (PGRP) that began in FY 1998 as part of the National Plant Genome Initiative (NPGI). Since the inception of the NPGI and the PGRP, there has been a tremendous increase in the availability of functional genomics tools and sequence resources for use in the study of key crop plants and their models. Proposals are welcomed that build on these resources to develop conceptually new and different ideas and strategies to address grand challenge questions in plants of economic importance on a genome-wide scale. There is also a critical need for the development of novel and creative tools to facilitate new experimental approaches or new ways of analyzing genomic data. Especially encouraged are proposals that provide strong and novel training opportunities integral to the research plan and particularly across disciplines that include, but are not limited to, plant physiology, quantitative genetics, biochemistry, bioinformatics and engineering. Activities in four focus areas will be supported in FY 2014: (1) Genomics-empowered plant research to tackle fundamental questions in plant sciences on a genome-wide scale; (2)



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Development of tools and resources for plant genome research including novel technologies and analysis tools to enable discovery; (3) Mid-Career Investigator Awards in Plant Genome Research (MCA-PGR) to increase participation of investigators trained primarily in fields other than plant genomics; and, (4) Advancing Basic Research in Economically Important Crop Plants (ABR-PG) to develop sequence resources that are critically needed to enable basic research resources in crop plants. Proposals addressing these opportunities are welcomed at all scales, from single-investigator projects through multi-investigator, multi-institution projects, commensurate with the scope and scale of the work proposed. **NSF 14-533**

- URL: <http://www.nsf.gov/pubs/2014/nsf14533/nsf14533.htm>

Network and Infrastructure Support for Development of Interdisciplinary Aging Research (R24)

National Institutes of Health (NIH)

Due Date: Letters of Intent 4/28/2014; Applications 5/28/2014

The purpose of this FOA is to provide network and infrastructure support to foster development of novel interdisciplinary research approaches on aging research related to caloric restriction (CR) in humans. This FOA uses the Resource-Related Research Project activity code (R24) to support research networks that will advance interdisciplinary collaboration through activities such as meetings, conferences, data exchange, small scale pilots, short term training opportunities, visiting scholar programs and dissemination activities to encourage growth and development in the science related to CR in humans. **PAR-14-081**

- URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-14-081.html>

INTERNATIONAL

Catalyzing New International Collaborations

National Science Foundation (NSF)

Due Date: 4/22/2014, 7/22/2014, 10/22/2014

The Catalyzing New International Collaboration (CNIC) program is designed to promote professional development of US Science, Technology, Engineering, and Mathematics (STEM) researchers and to advance their research through international engagement. Support of international activities is an

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integral part of NSF's mission to sustain and strengthen the nation's science, technology, engineering, and mathematics (STEM) capabilities. NSF recognizes the importance of enabling US researchers and educators at every career level to advance their work through international collaboration and of helping to ensure that future generations of US scientists and engineers gain professional experience beyond the nation's borders early in their careers. Awards from the International Science and Engineering Section of the Office of International and Integrative Activities (OIIA/ISE) contribute to NSF's mission by supporting research and education activities that present unique opportunities and offer potentially high benefits through collaboration with scientists, engineers, and STEM educators abroad. NSF will consider proposals from US institutions for collaborative work with any country that is not explicitly proscribed by the Department of State (see current information at <http://www.treasury.gov/resource-center/sanctions/Programs/Pages/Programs.aspx> and <http://www.state.gov/j/ct/list/c14151.htm>). Activities can be in any field of science and engineering research and education supported by NSF. This program offers support for the initial phase of international collaborations with clear expectations that the next phase will be submission by the US investigators of follow-on proposals to NSF core programs for continued funding of the research initiated with CNIC awards. **NSF 13-605**

- URL: <http://www.nsf.gov/pubs/2013/nsf13605/nsf13605.htm>

MULTIPLE DISCIPLINES

Collaborative Research Grants

Academy of Neurologic Communication Disorders (ANCD)

Due Date: 4/14/2014

The [Academy of Neurologic Communications Disorders and Sciences](#) promotes quality service to persons with neurologic communication disorders by developing training clinical practice guidelines and standards for speech-language pathologists. The ANCDs Collaborative Clinical Research Grant is designed to encourage collaborative research between two ANCDs members from two different institutions for projects that address a clinical research question related to neurologic communications disorders. Projects should focus on an innovative and significant clinical research question; address translational, outcomes, effectiveness, or comparative effectiveness research; and put ANCDs clinical scholars in a position to seek larger extramural grants. Grants of up to \$5,000 will be awarded to sponsoring organizations (not individuals). Eligible sponsors include colleges, universities, private corporations, and 501(c)(3) nonprofit organizations. First-time ANCDs-CCR

applicants will be given preference (past awardees may apply but will be given lower preference for funding). Sponsoring organizations are encouraged to match the grant up to \$5,000. While a matching contribution of \$5,000 preferred, applications with guaranteed institutional support for less than that amount will be considered. For complete program guidelines and application procedures, visit the ANCDs Web site.

- URL: <http://www.ncds.org/>

Sustainability Research Networks Competition (SRN)

National Science Foundation (NSF)

Due Date: 4/29/2014

The goal of the Sustainability Research Networks (SRN) competition is to bring together multidisciplinary teams of researchers, educators, managers, policymakers and other stakeholders to conduct collaborative research that addresses fundamental challenges in sustainability. The 2014 SRN competition will fund research networks with a focus on urban sustainability. Proposals should identify an ambitious and nationally important theme in urban sustainability, present a creative and innovative research agenda that builds upon existing work in this area, and describe how a network of researchers and other stakeholders will be supported that integrates a variety of disciplines, sectors and backgrounds in order to create new perspectives and yield significant new understanding and knowledge. **NSF 14-534**

- URL: <http://www.nsf.gov/pubs/2014/nsf14534/nsf14534.htm>

SOCIAL & BEHAVIORAL SCIENCES

Research and Development in Forensic Science for Criminal Justice Purposes

National Institute of Justice (NIJ) - Department of Justice (DOJ)

Due Date: 4/21/2014

With this solicitation, NIJ seeks proposals for basic or applied research and development projects that will: (1) increase the body of knowledge to guide and inform forensic science policy and practice or (2) result in the production of useful materials, devices, systems, or methods that have

the potential for forensic application. The intent of this program is to direct the findings of basic scientific research, research and development in broader scientific fields applicable to forensic science, and ongoing forensic science research toward the development of highly discriminating, accurate, reliable, cost-effective, and rapid methods for the identification, analysis, and interpretation of physical evidence for criminal justice purposes. **NIJ-2014-3744**

- URL: <http://www.grants.gov/web/grants/view-opportunity.html?oppld=251361>

Testing Geospatial Predictive Policing Strategies

National Institute of Justice (NIJ) - Department of Justice (DOJ)

Due Date: 4/25/2014

NIJ is seeking applications for funding for research that explores the relationship between theory (of any discipline) to geospatial predictive policing strategies. In particular, NIJ is seeking proposals that focus on linking theories to current policing strategies, discerning potential disconnects in the levels of analysis between theory and practice, explicating what effects this may have on findings, and, finally, addressing means of adapting theory and practice based on the results. **NIJ-2014-3758**

- URL: <https://ncjrs.gov/pdffiles1/nij/sl001097.pdf>

Research and Evaluation on Children Exposed to Violence

National Institute of Justice (NIJ) - Department of Justice (DOJ)

Due Date: 4/25/2014

The National Institute of Justice is seeking multidisciplinary research and evaluation proposals related to childhood exposure to violence. In particular, NIJ seeks applications that address polyvictimization, Internet harassment/electronic aggression (e.g, bullying through Facebook, harassing e-mails), resilience, or justice system responses to children identified as being exposed to violence. For the purposes of this solicitation, Children Exposed to Violence (CEV) encompasses a broad area that includes children as both direct victims and as bystanders or observers of various forms of violence in the home, school, or community (including, but not limited to, peer victimization/bullying/harassment, child maltreatment, domestic violence, and community violence). This solicitation may be used to address other types of violence to which children are exposed, with the exception of media violence (e.g., television and movie violence, music advocating aggression, and violent video games). **NIJ-2014-3745**

- URL: <https://ncjrs.gov/pdffiles1/nij/sl001084.pdf>



Research on Gangs and Gang Violence

National Institute of Justice (NIJ) - Department of Justice (DOJ)

Due Date: 4/25/2014

The goals of the Gangs and Gang Violence program of research are to improve knowledge and understanding of criminal gangs-related issues through science. NIJ strives to provide objective and independent knowledge and validated tools to reduce gang membership and violence, particularly at the state and local levels in the United States, as well as promote healing and justice for victims of gang-related crimes. **NIJ-2014-3747**

- URL: <https://ncjrs.gov/pdffiles1/nij/sl001086.pdf>

Research and Evaluation on the Abuse, Neglect, and Exploitation of Elderly Individuals

National Institute of Justice (NIJ) - Department of Justice (DOJ)

Due Date: 4/25/2014

With this solicitation, NIJ seeks applications for funding of research and evaluation related to the abuse, neglect, and exploitation of elderly individuals. Research that includes residents of residential care facilities also will be considered. Research proposed may be focused at the state, local, tribal, federal, juvenile justice policy and/or practice level. Current demographic trends show that our society is aging rapidly, and the number of people living in residential care facilities is rising. Similarly, crimes against these populations are expected to increase. Given the paucity of evidence-based data in the field, additional research is needed to inform, evaluate, and improve the efficacy of efforts to protect elderly individuals and residents of residential care facilities, and to hold perpetrators of abuse accountable for their crimes. **NIJ-2014-3750**

- URL: <https://ncjrs.gov/pdffiles1/nij/sl001089.pdf>

Research and Evaluation on Violence against Women: Teen Dating Violence, Sexual Violence, and Intimate Partner Violence FY 2014

National Institute of Justice (NIJ) - Department of Justice (DOJ)

Due Date: 4/25/2014

The purpose of the National Institute of Justice grants program is to encourage and support research, development, and evaluation to improve criminal justice policy and practice in the United States. With this solicitation, NIJ seeks applications for funding of research and evaluation related to violence

against women in the areas of teen dating violence, sexual violence, and intimate partner violence. Research proposed may be focused at the state, local, tribal, federal, juvenile justice policy and/or practice level. Violence Against Women research and evaluation is one of the major foci of NIJ's Crime, Violence, and Victimization Research Division. A compilation of this work can be found at www.nij.gov/pubs-sum/vaw-compendium.htm. Under this solicitation, specific areas of interest have been identified, however, other topics that offer important insights into the violence against women will receive equal attention as those topics specifically identified. The goals of the Violence against Women program of research are to improve knowledge and understanding of teen dating violence, intimate partner violence, and sexual assault issues through science. NIJ strives to provide objective and independent knowledge and validated tools to reduce violence against women and girls, and promote healing and justice for victims. The objectives of this solicitation are to fund high-quality research projects in the areas of teen dating violence, sexual assault, intimate partner violence, custody for cases in which intimate violence is present, and an environmental scan of Family Justice Centers. **NIJ-2014-3749**

- URL: <https://ncjrs.gov/pdffiles1/nij/sl001088.pdf>

FY 2014 Postdoctoral Fellowship: Dating Abuse among Adolescents and Young Adults

National Institute of Justice (NIJ) - Department of Justice (DOJ)

Due Date: 4/28/2014

NIJ seeks applications to support the scholarship of one promising postdoctoral researcher to conduct original data collection and/or secondary data analyses on dating abuse among adolescents and/or young adults under the supervision of a mentor. Some areas of particular interest to NIJ include, but are not limited to, the following:

- Testing of behavioral measures of adolescent dating abuse victimization and/or perpetration
- Research that furthers our understanding of abuse within and between relationships, and stability and changes across partners.
- Research that uses innovative methodologies to examine the role of contextual factors, such as financial independence, social networks, and gender dynamics in dating violence
- Research about relationship violence and abuse during the transition to adulthood (Ages 16-24), which may include research involving college students.

NIJ-2014-3742

- URL: <https://www.ncjrs.gov/pdffiles1/nij/sl001083.pdf>

Research and Evaluation on Justice Systems

National Institute of Justice (NIJ) - Department of Justice (DOJ)

Due Date: 4/28/2014

The U.S. Department of Justice (DOJ), Office of Justice Programs (OJP), National Institute of Justice (NIJ) is seeking applications for funding for social and behavioral science research on, and evaluations related to, justice systems topics that bear directly and substantially upon state-, local-, tribal- or federal criminal and juvenile justice policy and practice. This program furthers the Department's mission by sponsoring research to provide objective, independent, evidence-based knowledge and tools to meet the challenges of crime and justice, particularly at the state and local levels. **NIJ-2014-3748**

- URL: <https://www.ncjrs.gov/pdffiles1/nij/sl001087.pdf>

STUDENTS

NIJ FY14 Graduate Research Fellowship Program Science, Technology, Engineering and Mathematics

National Institute of Justice (NIJ) - Department of Justice (DOJ)

Due Date: 4/28/2014

NIJ will be seeking applications for funding under the NIJ Graduate Research Fellowship (GRF) program to support innovative dissertation research in science, technology, engineering, and/or mathematics that is relevant to providing science and technology to better prevent and control crime and ensure the fair and impartial administration of justice. The NIJ Graduate Research Fellowship program in science, technology, engineering, and mathematics provides awards for research on crime, violence, and other criminal justice-related topics to accredited academic universities that support graduate study leading to research-based doctoral degrees. NIJ invests in doctoral education by supporting universities that sponsor students who demonstrate the potential to successfully complete doctoral degree programs in disciplines relevant to the mission of NIJ and who are in the final stages of graduate study. Applicants sponsoring doctoral students will be eligible to apply only if the doctoral research dissertation — in this instance in the fields of science, technology, engineering, and mathematics — will have direct relevance to providing science and technology to better prevent and control crime and ensure the fair and impartial administration of justice in the United States.



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Doctoral students from academic disciplines outside of science, technology, engineering, and mathematics will not be considered under this forthcoming solicitation. **NIJ-2014-3734**

- URL: <http://www.nij.gov/funding/fellowships/graduate-research-fellowship/pages/welcome.aspx>

NIJ FY14 Graduate Research Fellowship Program in the Social and Behavioral Sciences

National Institute of Justice (NIJ) - Department of Justice (DOJ)

Due Date: 5/12/2014

NIJ is seeking proposals for funding innovative dissertation research under the NIJ Graduate Research Fellowship (GRF) Program that provides awards for research on crime, violence, and other criminal justice-related topics to accredited academic institutions that offer research-based doctoral degrees in social and behavioral academic disciplines relevant to NIJ's mission. NIJ invests in doctoral education by supporting universities that sponsor students who demonstrate the potential to successfully complete doctoral degree programs in disciplines relevant to the mission of NIJ and who are in the final stages of graduate study. Applicants sponsoring doctoral students are eligible to apply only if the doctoral research dissertation has direct relevance to providing science, technology, engineering, and mathematics to better prevent and control crime and ensure the fair and impartial administration of criminal justice in the United States. **NIJ-2014-3739**

- URL: <https://ncjrs.gov/pdffiles1/nij/s1001102.pdf>