

Funding Bulletin

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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/>

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 *two* limited submissions:

(1) Partnerships for Innovation: Building Innovation Capacity

National Science Foundation (NSF)

Due date: Internal 10/1/2013; Letters of Intent 11/18/2013; Proposals 1/27/2014

WSU is limited to two proposals as the lead applicant in response to this funding opportunity. If you are interested in preparing a Letter of Intent for the Nov. 18 due date, you must notify proposals@wichita.edu by 5 p.m. Tuesday, Oct. 1, to allow time for an internal review of projects if needed.

The Partnerships for Innovation: Building Innovation Capacity (PFI:BIC) program supports academe-industry partnerships, which are led by an interdisciplinary academic research team with a least one industry partner, to collaborate in building technological and human innovation capacity. This innovation capacity is intended to endure beyond the initial award. Partnerships that build the capacity to innovate are expected to be effective at innovating and able to continue to innovate. They are highly intentional about creating an environment that fosters innovation. These partnerships not only develop new technology but also foster the development of human capital that embraces a culture of change, nurtures the generation of new ideas, and considers feedback an integral part of the innovation processes. The PFI:BIC partnership team should focus on technological innovations with potential for significant economic/societal impact. The team collaborates on research, focusing on novel applications motivated by existing research discoveries and based on a platform technology with the potential to achieve transformational change in existing service systems or to spur entirely new service systems. To attain this goal, these partnerships, which inherently require interdisciplinary research, must address what is needed to advance this technology so as to enable a smart service system or systems to enter into the commercialization process, succeed in the marketplace, and achieve positive economic, social, and environmental outcomes. Such advancement involves not only engineering, computer science, and other fields of science, but also an understanding of the potential interaction of the technology with customers and the broader public affected by the technology, the socio-technical system. A full understanding of the socio-technical system will require interdisciplinary teams that include social, behavior, and/or cognitive sciences. Finally, the team should demonstrate an understanding of potential commercial applications and markets, which

should contribute to guiding the project activities. Academic institutions are limited to participation on two (2) proposals as a lead institution. NSF 13-587

- URL: <http://www.nsf.gov/pubs/2013/nsf13587/nsf13587.htm>

(2) NIH Director's Early Independence Awards (DP5)

National Institutes of Health (NIH)

Due date: Internal 11/15/2013; Letters of Intent 12/31/2013; Applications 1/31/2014

WSU is limited to two proposals in response to this funding opportunity. If you are interested in preparing a Letter of Intent for the Dec. 31 due date, you must notify proposals@wichita.edu by 5 p.m. Friday, Nov. 15, to allow time for an internal review of projects if needed.

The NIH Director's Early Independence Award Program supports exceptional investigators who wish to pursue independent research directly after completion of their terminal doctoral/research degree or clinical residency, thereby forgoing the traditional post-doctoral training period and accelerating their entry into an independent research career. Only two applications per institution are allowed. RFA-RM-13-009 (NIHG 8/16/13)

- URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-13-009.html>

INTERNAL OPPORTUNITIES

Multidisciplinary Research Project Awards (MURPA)

Wichita State University

Due date: 10/25/2013

Applications for Multidisciplinary Research Project Awards (MURPA) are due to the Office of Research and Technology Transfer by Oct. 25 at 5:00 p.m. Multidisciplinary Research Projects are projects that involve two or more investigators from different disciplines that focus different perspectives and capabilities on complex problems that intersect established areas of study. They are intended as seed money to develop pilot data for proposals to be submitted to governmental agencies, foundations or industries. 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/>

GENERAL

2014 Department of Defense Multidisciplinary Research Program (MURI)

Department of Defense (DoD)

Due date: White Papers 10/15/2013; Proposals 12/16/2013

The DoD Multidisciplinary University Research Initiative (MURI), one element of the University Research Initiative (URI), is sponsored by the DoD research offices: the Office of Naval Research (ONR), the Army Research Office (ARO), and the Air Force Office of Scientific Research (AFOSR). The MURI program supports basic research in science and engineering at U.S. institutions of higher education that is of potential interest to DoD. The program is focused on multidisciplinary research efforts where more than one traditional discipline interacts to provide rapid advances in scientific areas of interest to the DoD. As defined by the DoD, "basic research is systematic study directed toward greater knowledge or understanding of the fundamental aspects of phenomena and of observable facts without specific applications towards processes or products in mind. It includes all scientific study and experimentation directed toward increasing fundamental knowledge and understanding in those fields of the physical, engineering, environmental, and life sciences related to long-term national security needs. ONRBAA13-022 (GG 8/19/13)

- URL: <http://www.grants.gov/view-opportunity.html?oppld=240153>

Fiscal Year 2014 Defense University Research Instrumentation Program (DURIP)

Department of Defense (DoD)

Due date: 10/21/2013

This announcement seeks proposals to purchase instrumentation in support of research in areas of interest to the DoD, including areas of research supported by the Army Research Office (ARO), the Office of Naval Research (ONR), and the Air Force Office of Scientific Research (AFOSR). The research areas of interest to the administering agencies are available on-line at the following addresses: Army Research Office: <http://www.aro.army.mil/> (select "Business" and then "Broad Agency Announcements") See the most recent ARO Core Broad Agency Announcement for Basic and Applied Scientific Research. Office of Naval Research: <http://www.onr.navy.mil/> (select "Contracts and Grants" and then "Broad Agency Announcements") See Long Range Broad Agency Announcement for Navy and Marine Corps Science and Technology 13-001. Air Force Office of Scientific Research: See BAA AFOSR-2013-0001 Research Interests of the Air Force Office of Scientific Research available at <http://www.grants.gov/search/search.do;jsessionid=x8BxRCpDJ7zJvMJvVs91VFPYjnJqzyJvBHW51LmJy0D21yfSXTc!284756989?oppld=218055&mode=VIEW>. Potential proposers are advised to refer to the websites cited above and are encouraged to contact DoD program managers listed at those sites before submitting proposals. A proposal may be submitted to more than one administering agency; however, only one administering agency will fund the proposal, if selected, under the 2014 DURIP. A

central purpose of the DURIP is to provide equipment to enhance research-related education. Therefore, proposals must address the impact of the equipment on the institution's ability to educate students, through research, in disciplines important to DoD missions. PA-AFOSR-2013-0001 (GG 7/22/13)

- URL: <http://www.grants.gov/web/grants/view-opportunity.html?oppld=240541>

Faculty Research Awards

Google

Due date: 10/15/2013; 4/15/2014

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

ARTS & HUMANITIES

2014 Research: Art Works

National Endowment for the Arts (NEA)

Due date: 11/5/2013

Research into the value and impact of the arts is a core function of the National Endowment for the Arts. Through accurate, relevant, and timely analyses and reports, the NEA elucidates the factors, conditions, and characteristics of the U.S. arts ecosystem and the impact of the arts on other domains of American life. To advance this work further, the NEA welcomes grant applications for projects seeking to use novel research questions and/or techniques to analyze high-quality datasets containing arts variables. The NEA encourages applicants from diverse research fields (e.g., sociology, economics, anthropology) and diverse areas of expertise, including, but not limited to, health, education, and urban and regional planning. Although applicants must be nonprofit organizations, they may partner with for-profit entities, and/or use commercial and/or administrative datasets. 2014NEAORA (GG 8/14/13)

- URL: <http://arts.gov/grants/apply/Research.html>

Sustaining Cultural Heritage Collections

National Endowment for the Humanities (NEH)

Due date: 12/4/2013

Sustaining Cultural Heritage Collections (SCHC) helps cultural institutions meet the complex challenge of preserving large and diverse holdings of humanities materials for future generations by supporting preventive conservation measures that mitigate deterioration and prolong the useful life of collections. Libraries, archives, museums, and historical organizations across the country are responsible for collections of books and manuscripts, photographs, sound recordings and moving images, archaeological and ethnographic artifacts, art, and historical objects that facilitate research, strengthen teaching, and provide opportunities for life-long learning in the humanities. To preserve and ensure continued access to such collections, institutions must implement preventive conservation measures, which encompass managing relative humidity, temperature, light, and pollutants in collection spaces; providing protective storage enclosures and systems for collections; and safeguarding collections from theft and from natural and manmade disasters. As museums, libraries, archives, and other collecting institutions strive to be effective stewards of humanities collections, they must find ways to implement preventive conservation measures that are scientifically sound and sustainable. This program therefore helps cultural repositories plan and implement preservation strategies that pragmatically balance effectiveness, cost, and environmental impact. Projects should be designed to be as cost effective, energy efficient, and environmentally sensitive as possible, and they should aim to

mitigate the greatest risks to collections rather than to meet prescriptive targets. To help institutions develop sound preventive conservation projects, NEH encourages collaborative and interdisciplinary planning, which is important for identifying sustainable strategies. Such planning should include consideration of the following factors: the nature of the materials in a collection; the performance of the building, its envelope, and its systems in moderating internal environmental conditions; the capabilities of the institution; the nature of the local climate and the effects of climate change; the cost-effectiveness and energy efficiency of various approaches to preventive conservation; and the project's impact on the environment. SCHC offers two kinds of awards: 1. Grants for planning - To help an institution develop and assess preventive conservation strategies, grants will support planning projects, which may encompass such activities as site visits, risk assessments, planning sessions, monitoring, testing, modeling, project-specific research, and preliminary designs for implementation projects. Planning grants must focus on exploring sustainable preventive conservation strategies. 2. Grants for implementation - . Implementation projects should be based on planning that has been specific to the needs of the institution and its collections within the context of its local environment. It is not necessary to receive an NEH planning grant to be eligible for an implementation grant. Planning could be supported by NEH, other federal agencies, private foundations, or an institution's internal funds. Projects that seek to implement preventive conservation measures in sustainable ways are especially encouraged. SCHC grants may not be used for - general conservation or preservation assessments and other basic preservation projects that could be supported through Preservation Assistance Grants for Smaller Institutions; - the preservation of materials that are the responsibility of an agency of the federal government, are privately held, or are not freely accessible for research; - the installation of climate control, security, lighting, and fire protection systems as a component of a project to construct a new building; - the preservation of the built or natural environment; - the renovation or restoration of historic structures, except insofar as that activity is needed to preserve humanities collections that such a structure houses; - the stabilization of archaeological sites; or - asbestos abatement. CFDA 45.149

- URL: <http://www.neh.gov/grants/preservation/sustaining-cultural-heritage-collections>

BUSINESS

Grants Program

National Endowment for Financial Education (NEFE)

Due date: 12/3/2013

The grants program seeks innovative research that can make a profound contribution to the field of financial literacy. Inquiries are encouraged from disciplines in fields as diverse as: - behavior -

economics - neuroscience - sociology - psychology - marketing - finance - education - change theory - decision sciences and others Project outcomes should be actionable in the field of financial literacy, directly relevant to the financial well-being of the public, and able to be applied broadly. NEFE seeks projects whose outcomes can improve the public's ability to achieve personal and household financial well-being. Of particular interest are pro-active research projects initiated from one of a broad spectrum of scholarly disciplines whose findings may cultivate critical thinking in the financial literacy community. Also of interest are development projects that put research recommendations into action. Project outcomes must be capable of achieving traction and measurable impact with audiences such as financial education intermediaries, researchers, practitioners, decision makers, and others who can achieve effective outreach to a target population with an unmet financial literacy need or to the general public. NEFE Grants and Research Program Themes Funding requests are assessed within the parameters of the following three key grant themes: 1. Understand Financial Behavior: a fundamental element in all projects is the necessity to address optimal financial behaviors. Projects should include outcomes relevant to understanding or improving financial behaviors of specific segments of the American public or the public in general. NEFE encourages inquiry within the physical, social, and psychological sciences to facilitate the public's ability to improve personal financial well-being. Findings must be presented in a manner that engages educators, policy makers, segments of the public, and/or individuals to adopt policies, practices, attitudes, and skills that result in positive public and personal outcomes. 2. Advance Innovative Thinking: NEFE encourages projects that spawn rigorous, proactive research initiated from a broad spectrum of scholarly disciplines where potential findings indicate strong possibilities to advance critical thinking, cultivate vigorous debate, challenge the status quo, and/or illuminate trends likely to affect the personal financial well-being of the American public. 3. Assure Significance to Society: Projects should provide evidence that outcomes are likely to produce practical benefit for primary stakeholders such as financial education intermediaries, researchers, practitioners, decision makers, and/or entities who can achieve effective educational outreach to a population segment with an unmet financial literacy need or the public in general. Consideration is paid to research that pertains to solutions with traction and scale sufficient to make a measurable difference in financial responsibility, stability, and/or well-being. Research findings are expected to result in actionable recommendations or make a profound and credible contribution to the financial literacy body of knowledge.

- URL: <http://www.nefe.org/what-we-provide/research-funding/grant-guidelines.aspx>

EDUCATION

Data-Intensive Research to Improve Teaching and Learning - An Ideas Lab to Foster Transformative Approaches to Teaching and Learning

National Science Foundation (NSF)

Due date: 12/9/2013

The goal of this activity is to foster novel, transformative, multidisciplinary approaches that address the use of large data sets to create actionable knowledge for improving STEM teaching and learning environments (formal and informal) in the medium term, and to revolutionize learning in the longer term. These approaches will involve the work of learning scientists, STEM disciplinary experts, computer scientists, statisticians, database experts and educational researchers who design and study learning environments. Among the potential benefits of integrating approaches from these disciplines are improving student learning and engagement, optimizing personalized instruction, and supporting rapid decision making to help educators respond more effectively to the learning needs of individuals and groups of learners in multiple settings. These approaches may be risky but should have the potential to rapidly advance the field. The scope of this activity does not include infrastructure development focused on data base design and development for education domains. NSF 13-565 (GG 8/13/13)

- URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf13565

ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

Computing and Communication Foundations (CCF): Core Programs

National Science Foundation (NSF)

Due date: Medium 10/15/2013, Large 11/19/2013, Small 1/17/2013

CISE's Division of Computing and Communication Foundations (CCF) supports research and education projects that develop new knowledge in three core programs: The Algorithmic Foundations (AF) program; The Communications and Information Foundations (CIF) program; and The Software and Hardware Foundations (SHF) program. Proposers are invited to submit proposals in three project classes, which are defined as follows: Small Projects - up to \$500,000 total budget with durations up to three years; Medium Projects - \$500,001 to \$1,200,000 total budget with durations up to four years; and Large Projects - \$1,200,001 to \$3,000,000 total budget with durations up to five years. NSF 13-579

- URL: <http://www.nsf.gov/pubs/2013/nsf13579/nsf13579.htm>

Computer and Network Systems (CNS): Core Programs

National Science Foundation (NSF)

Due date: Medium 10/15/2013, Large 11/19/2013, Small 1/17/2014

CISE's Division of Computer and Network Systems (CNS) supports research and education projects that develop new knowledge in two core programs: Computer Systems Research (CSR) program; and Networking Technology and Systems (NeTS) program. Proposers are invited to submit proposals in three project classes: Small Projects - up to \$500,000 total budget with durations up to three years; Medium Projects - \$500,001 to \$1,200,000 total budget with durations up to four years; and Large Projects - \$1,200,001 to \$3,000,000 total budget with durations up to five years. NSF 13-581

- URL: <http://www.nsf.gov/pubs/2013/nsf13581/nsf13581.htm>

Manufacturing Enterprise Systems (MES)

National Science Foundation (NSF)

Due date: 10/1/2013; 2/15/2014

The MES program supports research on design, planning, and control of operations in manufacturing enterprises. Research is supported that is both grounded in an interesting and relevant application and requires the development of novel analytical and computational methodologies that may be of broader interest. Topics of interest include supply chain optimization and management; production planning and scheduling; monitoring and control of manufacturing processes; and maintenance and repair. Of particular interest are methods that incorporate increasingly rich enterprise process and product information and models, methods that address sustainability, and methods that incorporate characteristic uncertainty and risk. Program Guidelines: PD 12-1786

- URL: http://www.nsf.gov/funding/pqm_summ.jsp?pims_id=13342

Operations Research (OR)

National Science Foundation (NSF)

Due date: 10/1/2013; 2/15/2014

The OR program supports fundamental research leading to the creation of innovative mathematical models, analysis, and algorithms for optimal or near optimal decision-making, applicable to the design and operation of manufacturing, service, and other complex systems. In addition to the traditional areas of Operations Research which includes discrete and continuous optimization as well as stochastic modeling and analysis, new research thrusts include simulation optimization and self-optimizing systems that can observe, learn, and adapt to changing environments. NSF PD 10-5514

- URL: http://www.nsf.gov/funding/pqm_summ.jsp?pims_id=13341

HEALTH & LIFE SCIENCES

NHLBI Investigator-Initiated Resource-Related Research Projects (R24)

National Institutes of Health (NIH)

Due date: Letters of Intent 9/29/2013; Application 10/29/2013

This Funding Opportunity Announcement (FOA), issued by the NHLBI, invites Resource-Related Research Project applications (R24) to support projects that will enhance the capabilities of ongoing basic, translational, and clinical research through the development of resources or infrastructure for use by the broader scientific community for furthering research. The scope of the R24 must address a critical national need that fulfills the NHLBI's strategic vision. PAR-13-335 (NIHG 8/23/13)

- **URL:** <http://grants.nih.gov/grants/guide/pa-files/PAR-13-335.html>

Improvement of Animal Models for Stem Cell-Based Regenerative Medicine (R24)

National Institutes of Health (NIH)

Due dates: 9/25/2013; 1/25/2014; 5/25/2014

This FOA encourages Research Project Grant (R01) applications from institutions and organizations proposing research aimed at characterizing animal stem cells and improving existing, and creating new, animal models for human disease conditions. The intent of this initiative is to facilitate the use of stem cell-based therapies for regenerative medicine. The initiative focuses on the following areas: 1) comparative analysis of animal and human stem cells to provide information for selection of the most predictive and informative model systems; 2) development of new technologies for stem cell characterization and transplantation; and 3) improvement of animal disease models for stem cell-based therapeutic applications. PAR-13-252 (NIHG 7/5/13)

- **URL:** <http://grants.nih.gov/grants/guide/pa-files/par-13-252.html>

Behavioral and Social Science Research on Understanding and Reducing Health Disparities (R01) National Institutes of Health (NIH)

Due dates: NIH standard R01 deadlines apply 10/5/2013; 2/5/2014

The purpose of this FOA is to encourage behavioral and social science research on the causes and solutions to health and disabilities disparities in the U. S. population. Health disparities between, on the one hand, racial/ethnic populations, lower socioeconomic classes, and rural residents and, on the other hand, the overall U.S. population are major public health concerns. Emphasis is placed on research in and among three broad areas of action: 1) public policy, 2) health care, and 3) disease/disability prevention. Particular attention is given to reducing health gaps among groups.

Applications that utilize an interdisciplinary approach, investigate multiple levels of analysis, incorporate a life-course perspective, and/or employ innovative methods such as systems science or community-based participatory research are particularly encouraged. PA-13-292 (GG 8/2/13)

- URL: <http://grants.nih.gov/grants/guide/pa-files/PA-13-292.html>

MULTIPLE DISCIPLINES

Summer/Short-Term Research Publication Grants

American Association of University Women (AAUW)

Due date: 11/15/2013

Summer/Short-Term Research Publication Grants provide funds for women college and university faculty and independent researchers to prepare research for publication. These grants can be awarded to both tenure-track and part-time faculty, new and established researchers. Time must be available for eight consecutive weeks of final writing and editing in response to issues raised in critical reviews. American Fellowships support women scholars who are completing dissertations, planning research leave from accredited institutions, or preparing research for publication. Applicants must be U.S. citizens or permanent residents. Candidates are evaluated on the basis of scholarly excellence; quality and originality of project design; and active commitment to helping women and girls through service in their communities, professions, or fields of research.

- URL: <http://www.aauw.org/what-we-do/educational-funding-and-awards/american-fellowships/>

SOCIAL SCIENCES

NIMHD Social, Behavioral, Health Services, and Policy Research on Minority Health and Health Disparities (R01)

National Institutes of Health (NIH)

Due date: Letters of Intent 10/19/2013; Applications 11/19/2013

The purpose of this Funding Opportunity Announcement (FOA) is to solicit innovative social, behavioral, health services, and policy research that can directly and demonstrably contribute to the elimination of health disparities. Projects may involve primary data collection or secondary analysis of existing datasets. Projects that examine understudied health conditions; examine the effectiveness of interventions, services, or policies for multiple health disparity populations; and/or directly measure

the impact of project activities on levels of health disparities are particularly encouraged. RFA-MD-12-003 (NIHG 7/26/13)

- URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-MD-12-003.html>

High Priority Behavioral and Social Research Networks (R24)

National Institutes of Health (NIH)

Due date: Letters of Intent 9/22/2013; Applications 10/22/2013

The purpose of this funding opportunity announcement (FOA) issued by the National Institute on Aging (NIA), working in part with funds contributed by the NIH Office of Behavioral and Social Sciences Research, is to provide infrastructure support for advancing development of specific emerging and high priority interdisciplinary areas of behavioral and social research of relevance to aging. The infrastructure support will facilitate research networks through meetings, conferences, small scale pilots, training, and dissemination to encourage growth and development of specified priority areas and of resources for the field at large. Projects are solicited that will develop, strengthen, and evaluate transdisciplinary approaches and methods for basic behavioral and/or social research. RFA-AG-14-007 (NIHG 7/19/13)

- URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-14-007.html>