# WICHITA STATE UNIVERSITY

**RESEARCH AND TECHNOLOGY TRANSFER**

# Funding Bulletin
**August 1st, 2014 (Vol. 1, No. 23)**

## 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.

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

LIMITED SUBMISSIONS
INTERNAL OPPORTUNITIES
GENERAL
ARTS & HUMANITIES
BUSINESS

ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES
HEALTH, LIFE & EARTH SCIENCES
MULTIPLE DISCIPLINES
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/*

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1

# NOTICE

**Help the National Science Foundation Improve NSF.gov by Taking Their Online Survey**

The National Science Foundation (NSF) is working to improve our web site, NSF.gov. We are initially focusing on the pages that provide Directorate- and Division-specific information. NSF is divided into seven Directorates that support broad areas of science and engineering research and education. Each Directorate is divided into several Divisions, which focus on more specialized disciplines (see the NSF Organization List).  Help guide the future direction of the NSF web site by completing our online survey at https://www.surveymonkey.com/s/nsfwebsitesurvey **by August 19**. It should take no more than 10 to 15 minutes to complete and is anonymous.  Thank you for your participation. We look forward to receiving your feedback on how our web site can serve you better.

# 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 five limited submissions:

**(1) Bridges to Baccalaureate Program (R25)**
*National Institutes of Health (NIH)*
**Due Dates: Internal 8/11/2014; Application 9/25/2014**

This Funding Opportunity Announcement (FOA) encourages Research Education Grant (R25) applications that propose research education programs intended to enhance the pool of community college students from diverse backgrounds nationally underrepresented in biomedical and behavioral sciences who go on to research careers in the biomedical and behavioral sciences, and will be available to participate in NIH-funded research. Key strategies are to increase transfer and increase retention to BA/BS graduation in biomedical and behavioral sciences. This initiative promotes partnerships/consortia between community colleges or other two-year post-secondary educational institutions granting the associate degree with colleges or universities that offer the baccalaureate degree. **Only one application per institution is allowed.  PAR-13-333**

-   **URL:** *http://grants.nih.gov/grants/guide/pa-files/PAR-13-333.html*

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2

## (2) Bridges to the Doctorate (R25)
*National Institutes of Health (NIH)*
**Due Dates: Internal 8/11/2014; Application 9/25/2014**

This Funding Opportunity Announcement (FOA) encourages Research Education Grant (R25) applications from institutions that propose to enhance the pool of master's degree students from underrepresented backgrounds who are trained and available to participate in NIH-funded research. This initiative promotes partnerships/consortia between colleges or universities granting a terminal master's degree with institutions that offer the doctorate degree. The program expects that the joint efforts of doctorate degree-granting and master's degree-granting institutions will foster the development of a well-integrated institutional program that will provide students with the necessary academic preparation and skills to enable their transition and successful completion of the Ph.D. degree in biomedical and behavioral sciences. **Only one application per institution is allowed.   PAR-13-341**

- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PAR-13-341.html*

## (3) Sloan Research Fellowships
*Alfred P. Sloan Foundation*
**Due Dates: Internal 8/15/2014; Applications 9/15/2014**

The Sloan Research Fellowships seek to stimulate fundamental research by early-career scientists and scholars of outstanding promise. These fellowships are awarded in recognition of distinguished performance and a unique potential to make substantial contributions to their field. These two-year fellowships are awarded yearly to 126 researchers. The size of the award is $50,000 for a two-year period.

- Candidates must hold a tenure track (or equivalent) position that includes a yearly teaching requirement.
- Candidates must hold a Ph.D. (or equivalent) in chemistry, computational or evolutionary molecular biology, computer science, economics, mathematics, neuroscience, ocean sciences, physics, or a related field;
- Candidates' most recent Ph.D. (or equivalent) must have been awarded on or after September 1, 2008. The Selection Committees may make exceptions for candidates who were awarded their Ph.D. prior to September 1, 2008 if their careers were disrupted due to military service, child-rearing, or a change of field. The Committees may also make exceptions for candidates who are currently serving in their first faculty position and who were appointed to that position on or after September 1, 2012.

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3

While Fellows are expected to be at an early stage of their research careers, there should be strong evidence of independent research accomplishments. Selection procedures are designed to identify those who show the most outstanding promise of making fundamental contributions to new knowledge. **No more than three candidates may be nominated from any one department. There is no limit to the number of nominations per university.**

- **URL:** *http://www.sloan.org/sloan-research-fellowships/*

## (4) Clinical Trial on the Effects of Interventions Aiming to Reduce Chronic Inflammation in Older Adults: Pilot Phase (U01)
*National Institutes of Health (NIH); National Institute on Aging (NIA)*
**Due Dates: Internal 8/22/2014; Letter of Intent 9/8/2014; Applications 10/8/2014**

Notice seeking applications to conduct a pilot study (or studies) and/or secondary analyses to collect information needed to develop and implement a successful intervention study on effects of reducing low-grade chronic inflammation on mobility limitations in older adults. **Only one application per institution is allowed. RFA-AG-15-006**

- **URL:** *http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-15-006.html*

## (5) Louis Stokes Alliances for Minority Participation (LSAMP)
*National Science Foundation (NSF)*
**Due Dates: Internal 8/29/2014; Full Proposal 10/17/2014**

The LSAMP program assists universities and colleges in diversifying the STEM workforce through their efforts at significantly increasing the numbers of students successfully completing high quality degree programs in science, technology, engineering and mathematics (STEM) disciplines. Particular emphasis is placed on transforming STEM education through innovative recruitment and retention strategies and experiences in support of groups historically under-represented in STEM discipline: African-Americans, Alaskan Natives, American Indians, Hispanic Americans, Native Hawiians, and Native Pacific Islanders. The knowledge generation portfolio of LSAMP supported activities contributes to the body of literature on successful practices in student recruitment, retention, persistence, and attainment of STEM undergraduate and graduate degrees, especially for the previously mentioned populations underrepresented in STEM disciplines. **Only one application per institution is allowed. NSF 12-564**

- **URL:** *http://www.nsf.gov/pubs/2012/nsf12564/nsf12564.htm*

# INTERNAL OPPORTUNTIES

The next internal opportunities available will be:  1) Multi-disciplinary Research Projects Award (MURPA) and 2) University Research/Creative Award (URCA) - Round 2.   Both will have October 2014 deadlines.

For more information, visit
*http://webs.wichita.edu/?u=wsuresearchadmin&p=/ORAInternalGrants/ORAInternalGrants/*

Check back in late summer for updated instructions and application forms for both opportunities.

# GENERAL

### NIH Transformative Research Awards (R01)
*National Institutes of Health (NIH) – Office of Strategic Coordination (Common Fund)*
**Due Dates: Letters of Intent 9/10/2014; Applications 10/10/2014**

The NIH Transformative Research Awards complement NIH's traditional, investigator-initiated grant programs by supporting individual scientists or groups of scientists proposing groundbreaking, exceptionally innovative, original and/or unconventional research with the potential to create new scientific paradigms, establish entirely new and improved clinical approaches, or develop transformative technologies. Little or no preliminary data are expected. Projects must clearly demonstrate the potential to produce a major impact in a broad area of biomedical or behavioral research. **RFA-RM-14-003**

- **URL:** *http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-14-003.html*

### Institutional Grants
*Tinker Foundation*
**Due Dates: 9/15/2014, 3/15/2015**

Supports conferences, workshops, and research projects that address Democratic Governance, Education, Sustainable Resource Management, U.S. Policy toward Latin America (funding limited) and Antarctica Science and Policy (funding limited). The foundation encourages collaboration among

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5

organizations in the U.S., Latin America, Spain, and Portugal. Letters of intent are strongly encouraged before the annual deadlines.

- **URL:** *http://www.tinker.org/content/institutional-grants-overview*

**Secure and Trustworthy Cyberspace (SaTC)**
*National Science Foundation (NSF)*
**Due Dates: Medium 9/19/2014, Large 11/19/2014, Small 1/14/2015**

Cyberspace has transformed the daily lives of people for the better. The rush to adopt cyberspace, however, has exposed its fragility and vulnerabilities: corporations, agencies, national infrastructure and individuals have been victims of cyber-attacks. In December 2011, the National Science and Technology Council (NSTC) with the cooperation of NSF issued a broad, coordinated federal strategic plan for cybersecurity research and development to "change the game," minimize the misuses of cyber technology, bolster education and training in cybersecurity, establish a science of cybersecurity, and transition promising cybersecurity research into practice. This challenge requires a dedicated approach to research, development, and education that leverages the disciplines of mathematics and statistics, the social sciences, and engineering together with the computing, communications and information sciences. The Secure and Trustworthy Cyberspace (SaTC) program welcomes proposals that address Cybersecurity from a Trustworthy Computing Systems (TWC) perspective and/or a Social, Behavioral and Economic Sciences (SBE) perspective (see "Perspectives"). In addition, we welcome proposals that integrate research addressing both of these perspectives as well as proposals focusing entirely on Cybersecurity Education (see below). Proposals may be submitted in one of the following three categories:

- **Small projects:** up to $500,000 in total budget, with durations of up to three years
- **Medium projects:** $500,001 to $1,200,000 in total budget, with durations of up to four years
- **Frontier projects:** $1,200,001 to $10,000,000 in total budget, with durations of up to five years

Projects with Trustworthy Computing Systems and/or Social, Behavioral and Economic Sciences perspectives may include a Transition to Practice (TTP) option, described in a supplemental document of no more than five pages. This document should describe how successful research results are to be further developed, matured, and experimentally deployed in organizations or industries, including in networks and end systems used by members of the NSF science and engineering communities. Proposals with a TTP option may exceed the above-stated maxima by up to $167,000 for Small projects, $400,000 for Medium projects and $750,000 for Frontier projects. In addition, the SaTC program seeks proposals addressing Cybersecurity Education with total budgets limited to $300,000

and durations of up to two years. Cybersecurity education projects may not include any of the three perspectives named above. **Cybersecurity Education projects are due by 12/19/2014.  NSF 13-578**

- **URL:** *http://www.nsf.gov/pubs/2013/nsf13578/nsf13578.htm*


**2014 Grant Cycle**
*RGK Foundation*
**Due Date: Letters of Inquiry continually accepted and reviewed quarterly (next review date: 9/19/14)**

The RGK Foundation in Austin, Texas, is inviting grant proposals in the broad areas of education, community, and health and medicine.  The foundation's primary education interests include programs that focus on formal K-12 education (particularly math, science, and reading), teacher development, literacy, and higher education. Within its community area, the foundation supports a broad range of human services, community improvement activities, abuse prevention, and youth development programs. In the area of health and medicine, the foundation's current interests include programs that promote the health and well-being of children and access to health service.  While grants occasionally support operating expenses, capital campaigns, endowments, and international projects, such grants are infrequent and are usually initiated by the foundation. Multiyear grants are also rare, with most grants awarded for a one-year period.  Grants are made only to nonprofit organizations certified as tax exempt under Sections 501(c)(3) or 170(c) of the Internal Revenue Code and  classified as "not a private foundation" under Section 509(a). Hospitals, educational institutions, and governmental institutions meeting these requirements are eligible to apply**.  Letters of Inquiry are accepted all year long and are reviewed on a rolling basis (March 7, June 13, and September 19).**  See the RGK Foundation Web site for complete program guidelines and application instructions.

- **URL:** *http://www.rgkfoundation.org/public/guidelines*



# ARTS & HUMANITIES


**Digital Humanities Start-Up Grants**
*National Endowment for the Humanities (NEH)*
**Due Date: 9/11/2014**

The Digital Humanities Start-Up Grants program awards relatively small grants to support the planning stages of innovative projects that promise to benefit the humanities.  Proposals should be

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7

for the planning or initial stages of digital initiatives in any area of the humanities. Digital Humanities Start-Up Grants may involve:

- research that brings new approaches or documents best practices in the study of the digital humanities;
- planning and developing prototypes of new digital tools for preserving, analyzing, and making accessible digital resources, including libraries' and museums' digital assets;
- scholarship that focuses on the history, criticism, and philosophy of digital culture and its impact on society;
- scholarship or studies that examine the philosophical or practical implications and impact of the use of emerging technologies in specific fields or disciplines of the humanities, or in interdisciplinary collaborations involving several fields or disciplines;
- innovative uses of technology for public programming and education utilizing both traditional and new media; and
- new digital modes of publication that facilitate the dissemination of humanities scholarship in advanced academic as well as informal or formal educational settings at all academic levels.

- **URL:** *http://www.neh.gov/grants/odh/digital-humanities-start-grants*


**Enduring Questions**
*National Endowment for the Humanities (NEH)*
**Due Date: 9/11/2014**

The NEH Enduring Questions grant program supports faculty members in the teaching and development of a new course that will foster intellectual community through the study of an enduring question. This question-driven course will encourage undergraduates and teachers to grapple with a fundamental concern of human life addressed by the humanities, and to join together in a deep and sustained program of reading in order to encounter influential thinkers over the centuries and into the present day. What is an enduring question? The following list is neither prescriptive nor exhaustive but serves to illustrate.

- What is good government?
- Can war be just?
- What is friendship?
- What is evil?
- Are there universals in human nature?
- What are the origins of the universe?

- **URL:** *http://www.neh.gov/grants/education/enduring-questions*

### Documenting Endangered Languages (DEL)

*National Endowment for the Humanities (NEH)/ National Science Foundation (NSF)*

**Due Date:  9/15/2014**

The Documenting Endangered Languages (DEL) program is a partnership between the National Endowment for the Humanities (NEH) and the National Science Foundation (NSF) to develop and advance knowledge concerning endangered human languages. Made urgent by the imminent death of an estimated half of the 6000-7000 currently used languages, this effort aims also to exploit advances in information technology. Awards support fieldwork and other activities relevant to recording, documenting, and archiving endangered languages, including the preparation of lexicons, grammars, text samples, and databases. DEL funding is available in the form of one- to three-year project grants as well as fellowships for six to twelve months. At least half the available funding will be awarded to projects involving fieldwork.  All DEL applications are submitted to NSF for review. Upon completion of the review process, the administration of awards is conducted separately by NEH or NSF.  Application materials are available on the National Science Foundation's website. **NSF 11-554**

- **URL:** *http://www.neh.gov/grants/preservation/documenting-endangered-languages*

### Grants Program

*Graham Foundation for Advanced Studies in the Fine Arts*

**Due Date: Inquiry Forms 9/15/2014**

The foundation makes project-based grants to individuals and produces public programs to foster the development and exchange of diverse and challenging ideas about architecture and its role in the arts, culture, and society. Architecture and related spatial practices engage a wide range of cultural, social, political, technological, environmental, and aesthetic issues. The foundation is interested in projects that investigate the contemporary condition, expand historical perspectives, or explore the future of architecture and the designed environment.  The foundation supports innovative, thought-provoking investigations in architecture; architectural history, theory, and criticism; design; engineering; landscape architecture; urban planning; urban studies; visual arts; and related fields of inquiry. The foundation's interest also extends to work being done in the fine arts, humanities, and sciences that expands the boundaries of thinking about architecture and space. In an effort to bridge communities and different fields of knowledge, the foundation supports a wide range of practitioners (such as architects, scholars, critics, writers, artists, curators, and educators). Open discourse is essential to advance study and understanding, therefore the foundation's grantmaking focuses on the public dissemination of ideas. With the foundation's support, the work of individuals reaches new audiences, from specialized to general, and creates opportunities for critical dialogue between various publics.  The foundation offers two types of grants to individuals: Production and Presentation Grants and Research and Development Grants.

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9

1. <u>Production and Presentation Grants:</u> These grants assist individuals with the production-related expenses that are necessary to take a project from conceptualization to realization and public presentation. These projects may include, but are not limited to, publications, exhibitions, installations, films, new media projects, and other public programs. Projects must have clearly defined goals, work plans, budgets, and production and dissemination plans.

2. <u>Research and Development Grants:</u> Though the majority of the foundation's grantmaking focuses on Production and Presentation Grants, the foundation recognize that projects may require support at early stages of formation. Research and Development Grants assist individuals with seed money for research-related expenses such as travel, documentation, materials, supplies, and other development costs. Projects must have clearly defined goals, work plans and budgets. Upon completion of research projects, recipients of Research and Development Grants must complete a research report and provide documentation that can be archived at the foundation and/or presented on the foundation's website.

- **URL:** *http://www.grahamfoundation.org/grant_programs?mode=individual*

**2014 William H. Johnson Prize**
*The William H. Johnson Foundation for the Arts*
**Due Date: 9/15/2014**

The William H. Johnson Foundation for the Arts was established in 2001 in honor of William H. Johnson, an American artist known primarily for his Scandinavian landscapes and his witty and poignant depictions of African-American daily life.  Recognizing that minority artists often need economic assistance, the foundation seeks to encourage artists early in their careers by offering financial grants. To that end, the foundation is accepting applications for the 2014 William H. Johnson Prize.  The Johnson Prize is awarded annually to an early-career African-American artist working in the areas of painting, photography, sculpture, printmaking, installation, and/or new genres. For award purposes, "early career" is a flexible term that should be interpreted liberally to include artists who have finished their academic work within a dozen years of the year the prize is awarded. Age is not determinative, and artists who have not earned BFAs or MFAs are still eligible so long as they have not been working as an artist for more than twelve years.  The 2014 prize recipient will receive $25,000. The winner will be announced in December 2014.  For complete program guidelines, application instructions, and information about previous winners, see the William H. Johnson Foundation for the Arts Web site.

- **URL:** *http://www.whjohnsongrant.org/whjform/*

**Millard Meiss Publication Fund**
*College Art Association*
**Due Dates: 9/15/2014, 3/15/2015**

Supports book-length scholarly manuscripts that have been accepted by a commercial or university publisher but that cannot be published in the most desirable form without a subsidy. Works must focus on art history, visual studies, or related subjects. Museum catalogues, excavation reports, articles, collections of previously published essays, or multi-author volumes are ineligible. Awards are typically between $3,000 and $7,000. Commercial, university, and museum presses are all eligible. Applicants must hold CAA membership.

- **URL:** *http://www.collegeart.org/meiss/guidelines.html*

**Research Travel Grants Program**
*Gerald R. Ford Presidential Foundation*
**Due Dates: 9/15/2014, 3/15/2015**

The Gerald R. Ford Presidential Foundation awards grants of up to $2,000 each in support of research in the holdings of the Gerald R. Ford Library. A grant defrays travel and living expenses of a research trip to the Ford Library. Overseas applicants are welcome to apply, but they will be responsible for the costs of travel between their home country and North America. The grants only cover travel within North America.   Library collections focus on Federal policies, U.S. foreign relations, and national politics in the 1960s and 1970s. There are earlier and later materials depending upon your topic.

- **URL:** *http://www.fordlibrarymuseum.gov/library/foundationgrants.asp*

**Moody Research Grant**
*LBJ Foundation*
**Due Dates: 9/15/2014, 3/15/2015**

The LBJ Foundation awards a limited number of grants for research at the LBJ Library, which are underwritten by The Moody Foundation of Galveston, Texas.  Grants may be used for research for dissertations, theses, senior papers, publications and other projects.  Grants range from $600 to $3,000.  Funds are awarded for the sole purpose of helping to defray living, travel and related expenses incurred while conducting research at the LBJ Library during the grant period.

- **URL:** *http://www.lbjlibrary.org/page/foundation/initiatives/moody-research-grant/*

# BUSINESS

**Economic Literacy Grants Program**
*The Calvin K. Kazanjian Economics Foundation*
**Due Dates: 9/15/2014, 2/15/2015**

Supports a wide range of projects aimed at increasing economic literacy, especially the best way to teach the subject (research, curriculum development); the impact of economic education (policy studies, measurement of economic understanding); and encouragement of youth/young adults to participate in the economic system after finishing school (research, conferences, outreach programs). New strategies for teaching economics including on-line and web-based instruction is of interest. Preference for national projects.

- **URL:** *http://www.kazanjian.org/grants/apply*

# ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

**Air Force Fiscal Year 2015 Young Investigator Research Program**
*U.S. Department of Defense (DoD); Department of the Air Force; Air Force Office of Scientific Research (AFOSR)*
**Due Date: 9/15/2014**

AFOSR's Young Investigator Research Program (YIP) supports scientists and engineers who have received Ph.D. or equivalent degrees in the last five years (on or after 1 May 2009) and who show exceptional ability and promise for conducting basic research. The objective of this program is to foster creative basic research in science and engineering, enhance early career development of outstanding young investigators, and increase opportunities for the young investigators to recognize the Air Force mission and the related challenges in science and engineering. **BAA-AFOSR-2014-0003**

- **URL:** *http://www.grants.gov/web/grants/view-opportunity.html?oppId=258075*

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12

**Bioengineering Research Partnerships (BRP) (R01)**
*National Institutes of Health (NIH)*
**Due Dates: 9/15/2014, 5/20/2015**

This Funding Opportunity Announcement (FOA) encourages bioengineering applications that will accelerate the development and adoption of promising tools and technologies that can address important biomedical research problems. The objectives are to establish these tools and technologies as robust, well-characterized solutions that fulfill an unmet need and are capable of enhancing our understanding of life science processes or the practice of medicine. Awards will focus on supporting multidisciplinary teams that apply an integrative, quantitative bioengineering approach to developing these technologies and engage biomedical researchers or clinicians throughout the project. The goal of the program is to support projects that can realize meaningful solutions within 5-10 years. **PAR-14-092**

- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PAR-14-092.html*

**Innovative Science Research Projects**
*OCLC Research*
**Due Date: 9/15/2014**

OCLC Research, in partnership with the Association for Library and Information Science Education, is accepting applications from researchers with projects that contribute to a better understanding of how the integration of new technologies affects the information environment and user behavior. Through its OCLC/ALISE Library & Information Science Research program, OCLC will award grants of up to $15,000 for research related but not limited to the impact of digital technology on libraries and museums, social media and information-seeking behavior, and new developments in knowledge organization such as metadata, social tagging, and linked data. To be eligible, applicants must be full-time academic faculty in schools of library and information science or related fields. Priority will be given to proposals from junior faculty. See the OCLC Research Web site for eligibility and application guidelines.

- **URL:** *http://www.oclc.org/research/grants/call.html*

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**Manufacturing Machines and Equipment**
*National Science Foundation (NSF)*
**Due Dates: 9/15/2014, 2/17/2015**

The MME program supports fundamental research leading to improved manufacturing machines and equipment, and their application in manufacturing processes. Key goals of the program are to advance the transition of manufacturing from skill-based to knowledge-based activities, and to advance technologies that will enable the manufacturing sector to reduce its environmental impacts. A focus is on the advancement of manufacturing machines and related systems engineering that will enable energy manufacturing, namely the manufacture of facilities and equipment that will enable the conversion of renewable resources into energy products such as electricity and liquid fuels, on a large scale. The program also supports research on additive manufacturing, laser processing and bonding/joining processes encompassing feature scales from microns to meters. Proposals with focus on materials for these processes are also welcome in MME. Note: nanometer scale additive manufacturing is supported under the Nanomanufacturing program. **PD-14-1468**

- **URL:** *http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13346*

**Sensors, Dynamics, and Control (SDC)**
*National Science Foundation (NSF)*
**Due Dates: 9/15/2014, 2/17/2015**

The Sensors, Dynamics, and Control (SDC) program supports fundamental research on the analysis, measurement, monitoring and control of complex dynamical and structural systems, including development of new analytical, computational and experimental tools, and novel applications to engineered and natural systems. Program objectives are the discovery of new phenomena and the investigation of innovative methods and applications for dynamics, measurement, and control. Transformative research on complex networks, linear and nonlinear discrete or infinite dimensional systems spanning a multitude of time and length scales and physical domains are of interest, as are highly interdisciplinary projects and projects addressing security, resilience and sustainability. Basic research strongly motivated by industry needs or other real-life applications is welcome. The SDC program supports fundamental research on the theories of dynamical systems to uncover novel paradigms for modeling, control and analysis of dynamic phenomena and systems that undergo spatial and temporal evolution with applications crossing interdisciplinary boundaries, along with fundamental studies on stability, phase transitions, and wave propagation in complex and non-local media. Furthermore, the program supports fundamental research on monitoring, analysis, and decision-making processes for integrity monitoring, sensors reliability and safety of complex engineered systems, especially under conditions of uncertainty. Of interest is the investigation of big data (high-volume and high-speed) issues related to virtually-continuous streams of measurements

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14

from heterogeneous sensors for continuous systems monitoring. The SDC program also includes fundamental research on control theory and its applications. Topics of current interest include unconventional applications of control; the combined roles of feedback, feedforward and uncertainty; integrated feedback, communication and signal processing; and control concepts inspired by nature. **PD 14-7569**

- **URL:** *http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505099*


## Research in Engineering Education (REE)
*National Science Foundation (NSF)*
**Due Date: 9/18/2014, 1/22/2015**

The Division of Engineering Education and Centers (EEC) supports creation of a more agile engineering education ecosystem, equally open and available to all members of society, that dynamically and rapidly adapts to meet the changing needs of society and the Nation's economy.  Research is sought that will inform systemic change across all parts of the ecosystem.  **PD 10-1340**

Areas of interest include, but are not limited to:
*1. Diversifying pathways to and through engineering degree programs.*
*2. Exploring credentialing in engineering education.*
*3. Understanding how to scale engineering education innovations.*
*4. Advancing engineering learning in broader eco-systems such as innovation, globalization, or sustainability.*
*5. Developing engineering-specific learning theories.*

- **URL:** *http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503584*


## Computing and Communication Foundations (CCF): Core Programs
*National Science Foundation (NSF)*
**Due Dates: Medium 9/19/2014, Large 11/19/2014, Small 1/14/2015**

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 Dates: Medium 9/19/2014, Large 11/19/2014, Small 1/14/2015**

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, 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 13-581**

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

## Information and Intelligent Systems (IIS): Core Programs
*National Science Foundation (NSF)*
**Due Dates: Medium 9/19/2014, Large 11/19/2014, Small 1/14/2015**

CISE's Division of Information and Intelligent Systems (IIS) supports research and education projects that develop new knowledge in three **core programs:**
- The Cyber-Human Systems (CHS) program;
- The Information Integration and Informatics (III) program; and
- The Robust Intelligence (RI) program.

IIS is also responsible for managing the review process for proposals in Computer Graphics and Visualization; these proposals may be submitted to any of the three core programs described above. 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 13-580**

- **URL:** *http://www.nsf.gov/pubs/2013/nsf13580/nsf13580.htm*

## Focused Research Groups in the Mathematical Sciences (FRG)
*National Science Foundation (NSF)*
**Due Date: 9/19/2014**

The purpose of the FRG activity is to allow groups of researchers to respond to recognized scientific needs of pressing importance, to take advantage of current scientific opportunities, or to prepare the ground for anticipated significant scientific developments in the mathematical sciences. Groups may include, in addition to mathematicians and statisticians, researchers from other science and engineering disciplines appropriate to the proposed research. The activity supports projects for which the collective effort by a group of researchers is necessary to reach the scientific goals. Projects should be scientifically focused and well-delineated. It is not the intent of this activity to provide general support for infrastructure. Projects should also be timely, limited in duration to up to three years, and substantial in their scope and impact. **NSF 12-566**

- **URL:** *http://www.nsf.gov/pubs/2012/nsf12566/nsf12566.htm*

# HEALTH, LIFE & EARTH SCIENCES

## Cognitive Neuroscience
*National Science Foundation (NSF)*
**Due Dates: 8/27/2014, 2/25/2015**

The Cognitive Neuroscience Program seeks highly innovative and interdisciplinary proposals aimed at advancing a rigorous understanding of how the human brain supports thought, perception, affect,

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17

action, social processes, and other aspects of cognition and behavior, including how such processes develop and change in the brain and through time. **NSF 14-514**

- **URL:** *http://www.nsf.gov/pubs/2014/nsf14514/nsf14514.htm*


**Program Project Applications (P01)**
*National Institutes of Health (NIH) - National Cancer Institute (NCI)*
**Due Dates: (Letters of Intent due 30 days before the application due date) 9/25/2014, 1/25/2015, 5/25/2015 (Standard due dates apply)**

With this Funding Opportunity Announcement (FOA), the National Cancer Institute (NCI) invites applications for investigator-initiated program project (P01) grants. Proposed program projects may address any of the broad areas of cancer research, including (but not limited to cancer biology, cancer treatment, cancer diagnosis, cancer prevention, and cancer control. Basic, translational, clinical, and/or population-based studies in all of these research areas are appropriate. Each Program Project application must consist of at least three projects. The projects must share a common central theme, focus, and/or overall objective. **PAR-13-321**

- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PAR-13-321.html*


**Psychological Health and Traumatic Brain Injury (PH/TBI) – Psychological Health Research Award (PHRA)**
*Department of Defense (DoD) - Defense Medical Research and Development Program (DMRDP)*
**Due Dates: Pre-Applications 9/4/2014; Applications 11/13/2014**

The FY14 MOMRP Psychological Health and Traumatic Brain Injury (PH/TBI) Psychological Health Research Award (PHRA) is intended to support both applied (preclinical) research and clinical trials within specific Topic Areas addressing the prevention and treatment of military-relevant psychological health issues. Applications proposing research outside of the Topic Areas listed below should *not* be submitted in response to this Program Announcement. **FON: W81XWH-14-PHTBI-PHRA**

To meet the intent of the FY14 MOMRP PH/TBI PHRA mechanism, all applications *must* specifically address one or more of the Topic Areas listed below.

**- Military-related grief, guilt, or loss issues, moral injury, and/or anger, rage or aggression issues.** ○ Efficacy of evidence-based civilian interventions and translation to a military application to address

military-related Service Member and/or family grief, guilt, and loss issues, moral injury, and/or anger/aggression issues.
○ Of particular interest are universal and selective interventions that are aimed at equipping leaders, units, Service Members and/or Families with skills to handle situations that may invoke grief, guilt or anger and prevent the development of a negative trajectory.

- **Interdisciplinary and comprehensive prevention and life-skills training strategies to improve brain health.** ○ Efficacy of cognitive training approaches to promote resilience and prevent/mitigate acute negative responses to psychological and physical trauma (this does not include treatment interventions for chronic symptoms).
○ Efficacy of a life-skills (e.g., communication, interpersonal, problem solving, reframing) universal training approach that emphasizes transferability of skills to improve brain health and promoting resilience in Service Members and Families and reduce negative behavioral health outcomes.

- **Military-related psychosocial/psychological health challenges unique to persons of non-traditional sexual orientation [i.e., lesbian, gay, bisexual, and transgender (LGBT)].** ○ Research to determine support needs during transition periods/deployment as well as inclusion and isolation issues with the goal of developing interventions targeting these factors.
○ Prevention approaches aimed at addressing unique needs related to psychological health issues (e.g., sexual harassment/assault, suicide).

- **Sexual assault and trauma related issues in a military context.** ○ Integration of the use of technology and telemedicine assessment, prevention, and treatment approaches to address psychological symptoms or sequelae associated with sexual assault.
○ Research to determine the factors related to positive and negative psychological outcomes/trajectories of sexual assault survivors with the goal of developing interventions targeting these factors.
○ Research on potential gender differences in mental health and sexual assault/harassment victim response (treatment, support), preferences, expectations, treatment efficacy and factors associated with patient/victim satisfaction, experience and outcomes.
　　　○ Efficacy of prevention programs and initiatives to decrease incidence of sexual assault and harassment.

- **URL:** *http://cdmrp.army.mil/funding/pa/14phtbiphra_pa.pdf*

***LOCAL OPPORTUNITY!***
**Collaborative Investigator Initiated Research (CIIR)**
*Wichita Medical Research and Education Foundation (WMREF)*
**Due Date: Letters of Intent 9/5/2014**

The Wichita Medical Research and Education Foundation (WMREF) is pleased to announce a Collaborative Investigator Initiated Research (CIIR) funding opportunity in the amount of fifteen thousand dollars. The purpose of this research program is to provide investigators with *short-term funding* in the areas of social/behavioral, biological, genetic, or environmental determinants of disease and/or health, either physical or mental, across the life span. A special feature of this announcement is the requirement for collaborative partnerships between Wichita State University (WSU) and the University of Kansas School of Medicine-Wichita (KUSM-W) in this funded research project. All WSU and KUSM-W faculty members able to submit a joint application are eligible to apply. Letters of Intent will be screened for responsiveness to this RFP and fit to WMREF program development goals. The DEADLINE for letters of intent submission is September 5, 2014. Only those selected will be permitted to submit full applications. Notification of successful letters of intent will occur no later than September 26, 2014. The successful candidate will be expected to credit WMREF for funding in presentation and publication. Click on the link below for the RFP announcement for further details and deadlines.

- **URL:***http://webs.wichita.edu/?u=WSURESEARCHADMIN&p=/ORAInternalGrants/externalgrants/*


**Healthy Generations Program**
*WellPoint Foundation*
**Due Dates: 9/12/2014, 5/9/2015**

The WellPoint Foundation invests in domestic initiatives that help improve the lives of people and the health of local communities. The Foundation promotes healthy behaviors, health-risk prevention, and healthy environments. The Foundation's five focus areas are:

- cardiac mortality
- cancer prevention and smoking cessation
- maternal and newborn health
- diabetes prevention and management
- childhood and elderly obesity

- **URL:***http://www.sparkpe.org/grants/featured-grants/wellpoint-foundation-healthy-generations/*

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20

**Environmental Studies Grants**
*Melinda Gray Ardia Environmental Foundation*
**Due Dates: Pre-Proposals 9/14/2014; Invited Full Proposals 9/28/2014**

The Melinda Gray Ardia Environmental Foundation was founded in 1996 to continue the work of Melinda Gray Ardia, a biologist, environmental activist, and a middle school science teacher in Newark, New Jersey who died in an automobile accident that year. The foundation's mission is to integrate field activities and classroom teaching, incorporating basic ecological principles and problem solving approaches.  To that end, the foundation's grant program is designed to empower and encourage students to become involved in solving environmental and social problems, promote thoughtful and appropriate analysis and understanding of the natural world, and make informed decisions through the emphasis and application of basic ecological principles.  Grants of up to $1,500 will be awarded to support environmental curricula that show a holistic approach; strive to synthesize multiple levels of learning (facts, concepts, principles); include experiential integrated learning and problem solving; and that are founded on basic scientific principles, including hypothesis testing and experimental design. In addition, curricula must incorporate basic ecological principles and field environmental activities within a primary or secondary school setting and present controversial issues objectively, stressing the development of individual student opinions.  Any organization is eligible to apply, including schools, nonprofits, and governmental agencies. There are no geographical limitations.  Pre-proposals must be received no later than September 14, 2014. Upon review, selected applicants will be invited to submit full proposals that will be due on September 28.  Visit the MGAEF website for complete program guidelines, information about past grant recipients, and application instructions.

- **URL:** *http://www.mgaef.org/grants.htm*


**Recognition Grants**
*Kansas Health Foundation (NHF)*
**Due Dates: 9/15/2014, 3/15/2015**

The Kansas Health Foundation's Recognition Grants support a broad range of health-related organizations in the state. Although most of the foundation's grant funds are awarded through an invited-proposal process, the Recognition Grants program is designed to fund unsolicited requests and is specifically targeted for grassroots groups doing innovative and meaningful work that aligns with the foundation's mission.  The foundation seeks to support initiatives that promote policy, systems, and/or environmental transformations that support better health for all Kansans and will award grants of up to $25,000 per organization. Because the foundation wants to support as many projects across the state as possible, smaller requests are encouraged. Using a competitive process, the foundation will award up to $2 million annually.  Any tax-exempt nonprofit organization located

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21

within the state of Kansas (or within Jackson, Jasper, or Newton counties in Missouri) proposing a project that aligns with the foundation's mission to improve the health of all Kansans is eligible to apply.  For complete program guidelines, see the Kansas Health Foundation Web site.

- **URL:** *http://kansashealth.org/grantmaking/recognitiongrants*

# MULTIPLE DISCIPLINES

**Joint DMS/NIGMS Initiative to Support Research at the Interface of the Biological and Mathematical Sciences (DMS/NIGMS)**
*National Science Foundation (NSF)*
**Due Date: 9/15/2014**

This competition is designed to support research in mathematics and statistics on questions in the biological and biomedical sciences. A direct relationship between a biological application and the mathematical and/or statistical work is expected. Research teams that include scientists from both the life sciences community and the mathematical and statistical sciences communities are encouraged. Both new and existing collaborations will be supported. Proposals from individual investigators will need to make the case that the individual has expertise in both fields.  Successful proposals will either involve the formulation of new mathematical, computational or statistical models and tools whose analysis poses significant mathematical challenges or identify innovative mathematics or statistics needed to solve an important biological problem. Research that would apply standard mathematical or statistical techniques to solve biological problems is not appropriate for this competition and should be submitted directly to NIH. Similarly, proposals with research in mathematics or statistics that is not tied to a specific biological problem should be submitted to the appropriate DMS program at NSF. Proposals designed to create new software tools based on existing models and methods will not be accepted in this competition.  **NSF 13-570**

- **URL:** *http://www.nsf.gov/pubs/2013/nsf13570/nsf13570.htm*

**Cooperative Studies of the Earth's Deep Interior (CSEDI)**
*National Science Foundation (NSF)*
**Due Date: 9/22/2014**

The Division of Earth Sciences (EAR) invites the submission of proposals for collaborative, interdisciplinary studies of the Earth's interior within the framework of the community-based

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22

initiative known as Cooperative Studies of the Earth's Deep Interior (CSEDI). Funding will support basic research on the character and dynamics of the Earth's mantle and core, their influence on the evolution of the Earth as a whole, and on processes operating within the deep interior that affect or are expressed on the Earth's surface. Projects may employ any combination of field, laboratory, and computational studies with observational, theoretical, or experimental approaches. Support is available for research and research infrastructure through grants and cooperative agreements awarded in response to investigator-initiated proposals from U.S. universities and other eligible institutions. **Multidisciplinary work is required.** EAR will consider co-funding of projects with other agencies and supports international work and collaborations. **NSF 11-548**

- **URL:** *http://www.nsf.gov/pubs/2011/nsf11548/nsf11548.htm*


# SOCIAL & BEHAVIORAL SCIENCES

**Action Research Projects**
*The Sociological Initiatives Foundation (SIF)*
**Due Dates: Concept Proposals 8/15/2014; Full Proposals (invite only) 11/15/2014**

The Sociological Initiatives Foundation is dedicated to the belief that research and action are intrinsically inseparable. We invite concept proposals for projects that link an explicit research design to a concrete social action strategy. Projects should also have clear social change goals. SIF has funded projects in the areas of civic participation, community organizing, crime and law, education, health, housing, immigration, labor organizing, and language/literacy. Some examples of desired applicants are:

- academic-community partnerships
- advocacy or community groups that conduct research that can withstand challenge in academic and policy arenas
- academics that organize or link to a constituency through their research

- **URL:** *http://www.sifoundation.org/*

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23

### Decision, Risk and Management Sciences (DRMS)
*National Science Foundation (NSF)*
**Due Dates: 8/18/2014, 1/18/2015**

The Decision, Risk and Management Sciences program supports scientific research directed at increasing the understanding and effectiveness of decision making by individuals, groups, organizations, and society. Disciplinary and interdisciplinary research, doctoral dissertation research improvement grants (ddrigs), and workshops are funded in the areas of judgment and decision making; decision analysis and decision aids; risk analysis, perception, and communication; societal and public policy decision making; management science and organizational design. The program also supports small grants that are time-critical (Rapid Response Research - RAPID) and small grants that are high-risk and of a potentially transformative nature (EArly-Concept Grants for Exploratory Research - EAGER). For detailed information concerning these two types of grants, please review Chapter II.D of the NSF Grant Proposal Guide.  Funded research must be grounded in theory and generalizable.  Purely algorithmic management science proposals should be submitted to the Operations Research Program rather than to DRMS.  **PD 98-1321**

- **URL:***http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5423&WT.mc_id=USNSF_39&WT.mc_ev=click*

### Technologies for Healthy Independent Living
*National Institutes of Health (NIH)*
**Due Date: (Letters of Intent due 30 days before application due date) 9/23/2014**

This FOA encourages applications for research and development of technologies that monitor health or deliver care in a real-time, accessible, effective, and minimally obtrusive way. These systems are expected to integrate, process, analyze, communicate, and present data so that the individuals are engaged and empowered in their own healthcare with reduced burden to care providers. The development of these technology systems has the potential to significantly improve the quality of life for people with disabilities, people aging with mild impairments, as well as individuals with chronic conditions. **PAR-14-118**

**R01 (PAR-14-118)**
- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PAR-14-118.html*

**R21 (PAR-14-119)**
- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PAR-14-119.html*

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**Geography and Spatial Sciences (GSS) Program**
*National Science Foundation (NSF)*
**Due Date: 9/4/2014**

As specified in the Geography and Spatial Sciences Program strategic plan, the goals of the NSF Geography and Spatial Sciences (GSS) Program are:

- To promote scientific research in geography and the spatial sciences that advances theory and basic understanding and that addresses the challenges facing society.
- To promote the integration of geographers and spatial scientists in interdisciplinary research.
- To promote education and training of geographers and spatial scientists in order to enhance the capabilities of current and future generations of researchers.
- To promote the development and use of scientific methods and tools for geographic research.

The Geography and Spatial Sciences Program sponsors research on the geographic distributions and interactions of human, physical, and biotic systems on Earth. Investigators are encouraged to propose plans for research about the nature, causes, and consequences of human activity and natural environmental processes across a range of scales. Projects on a variety of topics qualify for support if they offer promise of contributing to scholarship by enhancing geographical knowledge, concepts, theories, methods, and their application to societal problems and concerns. GSS provides support through a number of different funding mechanisms:

- Regular research awards
- Doctoral dissertation research improvement (DDRI) awards *(Note that there is a separate solicitation for DDRI proposals to be submitted to GSS.)*
- Faculty early-career development (CAREER) awards
- Awards for conferences, workshops, group-travel support, and community-development or community-serving activities
- Research coordination network (RCN) awards
- Rapid-response research (RAPID) awards
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GSS may support early-concept grants for exploratory research (EAGER) and awards using other special kinds of mechanisms established by NSF in rare and unusual cases. (Be aware that GSS strives to be open to ideas and approaches in early stages of development, and GSS emphasizes the potential larger-scale, longer-term significance of new lines of inquiry as part of its merit evaluation of all proposals.) **NSF 14-537**

- **URL:***http://www.nsf.gov/pubs/2014/nsf14537/nsf14537.htm?WT.mc_id=USNSF_25&WT.mc_ev=click*

**Research and Scholar Programs**
*Russell Sage Foundation*
**Due Date: 9/15/2014**

Supports research exclusively in the social sciences. Project Awards of $35,000-$150,000 support basic social science research to improve social policies. Program areas include: Social Inequality, Immigration, Future of Work, Behavioral Economics and Cultural Contact.

- **URL:** *http://www.russellsage.org/how-to-apply*

# STUDENTS

**APA Dissertation Research Award**
*American Psychological Association (APA)*
**Due Date: 9/15/2014**

The Science Directorate of the American Psychological Association sponsors an annual competition for dissertation research funding. The purpose of the Dissertation Research Award program is to assist science-oriented doctoral students of psychology with research costs. The current program includes 30-40 grants of $1,000 each, along with several larger grants of up to $5,000 to students whose dissertation research reflects excellence in scientific psychology. **Each psychology department (i.e., not individual programs within a department) may endorse no more than three (3) students per year for the APA Dissertation Research Award. If more than three students from a department wish to apply for these funds, the department must perform an initial screening and forward only three applications.**

- **URL:** *http://www.apa.org/about/awards/scidir-dissertre.aspx*