



Funding Bulletin

October 24th, 2014 (Vol. 2, No. 3)

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

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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/>

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Upcoming Events

RESEARCH 2014-2015 TRAINING SCHEDULE

WORKSHOP TITLE	DATE	TIME	RSC ROOM
Funding Opportunities: Come Discover the Possibilities	Nov. 13, 2014	1:30-3:30pm	262 Herrman
Developing Budgets: How to avoid a Budget Battle Before a Grant Goes Out	Dec. 11, 2014	1:30-3:30pm	266 Pike
CAYUSE 101: Electronic Submissions to Grants.gov Made Easy!	Jan. 22, 2015	1:30-3:30pm	266 Pike

For more information contact Jana Henderson at jana.henderson@wichita.edu or 978-3285. To register for one of the workshops listed visit <https://webapps.wichita.edu/wintraining/training.asp?dept=1>. You will need to log into myWSU, select “register” and scroll down to find the workshop you are interested in.

LIMITED SUBMISSIONS

Limited submission programs have sponsor restrictions on the number of proposals that may be submitted by a single institution and will require institutional screening to determine which applications will be submitted. Karen Davis, Director of Pre-Award Services, is the internal coordinator for limited submission programs. Please notify proposals@wichita.edu, by the internal due date listed in the Funding Bulletin if you wish to submit a limited submission program. There are currently three open limited submission competitions:

(1) Science and Technology Centers: Integrative Partnerships

National Science Foundation (NSF)

Due Date: Internal 10/31/2014; Preliminary Proposals 12/11/2014; Full Proposals 6/16/2015

The Science and Technology Centers (STC): Integrative Partnerships program supports innovative, potentially transformative, complex research and education projects that require large-scale, long-

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term awards. STCs conduct world-class research through partnerships among academic institutions, national laboratories, industrial organizations, and/or other public/private entities, and via international collaborations, as appropriate. They provide a means to undertake significant investigations at the interfaces of disciplines and/or fresh approaches within disciplines. STCs may involve any area of science and engineering that NSF supports. STC investments support the NSF vision of creating and exploiting new concepts in science and engineering and providing global leadership in research and education. Centers provide a rich environment for encouraging future scientists, engineers, and educators to take risks in pursuing discoveries and new knowledge. STCs foster excellence in education by integrating education and research, and by creating bonds between learning and inquiry so that discovery and creativity fully support the learning process. NSF expects STCs to demonstrate leadership in the involvement of groups traditionally underrepresented in science and engineering at all levels (faculty, students, and postdoctoral researchers) within the Center. Centers use either proven or innovative mechanisms to address issues such as recruitment, retention and mentorship of participants from underrepresented groups. Centers must undertake activities that facilitate knowledge transfer, i.e., the exchange of scientific and technical information with the objective of disseminating and utilizing knowledge broadly in multiple sectors. Examples of knowledge transfer include technology transfer with the intention of supporting innovation, providing key information to public policy makers, or dissemination of knowledge from one field of science to another. **A single organization may submit a maximum of three preliminary proposals as the lead institution. Full proposals are to be submitted only when invited by NSF. NSF 14-600**

- URL: http://www.nsf.gov/pubs/2014/nsf14600/nsf14600.htm?WT.mc_id=USNSF_25&WT.mc_ev=click

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

National Science Foundation (NSF)

Due Dates: Internal 11/7/2014; Letters of Intent 12/3/2014; Full Proposals 1/28/2015

The Partnerships for Innovation: Building Innovation Capacity (PFI:BIC) program supports academic-industry partnerships, which are led by an interdisciplinary academic research team with a least one industry partner to build technological, human, and service system innovation capacity. These partnerships focus on the integration of technologies into a specified human-centered smart service system with the potential to achieve transformational change in an existing service system or to spur an entirely new service system. These technologies have been inspired by existing breakthrough discoveries. **Academic institutions are limited to participation on two (2) proposals as a lead institution preferably involving distinct application areas. NSF 14-610**

- URL: <http://www.nsf.gov/pubs/2014/nsf14610/nsf14610.htm>

(3) NINDS Institutional Center Core Grants to Support Neuroscience Research (P30)

National Institute of Neurological Disorders and Stroke (NINDS)

Due Date: Internal 11/7/2014; Letter of Intent 11/29/2014; Application 12/29/2014

This Funding Opportunity Announcement (FOA) invites applications for Center Core Grants that provide resources and facilities shared by a minimum of six NINDS-supported investigators, and supporting a wider base of neuroscience research. The proposed Centers should offer services and expertise that would be difficult or impractical to support in individual labs. The Centers are expected to capitalize on economies and synergies associated with shared resources, and to foster a collaborative environment among neuroscientists at host institutions. **RFA-NS-14-013 Only one application per institution is allowed.**

- URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-NS-14-013.html>

INTERNAL OPPORTUNITIES

Award for Research/Creative (ARC)

Wichita State University

Due Date: 2/6/2015

Applications for Award for Research/Creative Projects (ARC) are due to the Office of Research and Technology Transfer by Feb. 6 at 5:00 p.m. Award for Research/Creative projects provide salary/fringes of \$3,000* for 2 months, plus \$1,000 for other operating expenses (total of \$4,000) to enable faculty to pursue research or creative projects during the summer (grant period May 1 - Aug 31, 2015). Awardees are expected to resume their teaching in the fall for the next academic year. A faculty member may receive only one of the following in a fiscal year: an ARCS, a University Research/Creative Projects Award (URCA), or a Multidisciplinary Research Project Award (MURPA). Those who accept any summer appointment from their college (for the summer grant period) are ineligible. 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/>

Flossie E. West Foundation Award

Wichita State University

Due Date: 3/6/2015

Applications for the Flossie E. West Foundation Award are due to the Office of Research and Technology Transfer by March 6th at 5:00p.m. The award provides support for research relating to the study and cure of cancer. Awards are intended as seed money to develop pilot data for proposals to be submitted to governmental agencies, foundations, or industries (grant period May 1, 2015 – April 30, 2016). Funds are restricted to WSU faculty project expenses; all WSU faculty members with research interests in the study of cancer are eligible. 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=/ORInternalGrants/ORInternalGrants/>

GENERAL

NOTICE – Kansas NSF EPSCoR Upcoming Opportunity

This notice is to alert you to a potential new research opportunity for a multi-state collaboration initiative. **At this point everything is still tentative. However, NSF EPSCoR anticipates releasing a call for proposals in November.** Details are bulleted below:

- **Each institution can submit only one proposal where one of their researchers is the lead PI.** But researchers from an institution that is submitting a proposal can participate in other proposals as long as they are not PI status
- It must be a collaboration between/among one or more additional EPSCoR states
- The areas of focus **must be** in neuroscience **OR** the nexus between food, water and energy (including aspects of all three in the proposal)
- We think it also must be approved by the state EPSCoR committee although there are no matching funds required
- Maximum award for three or more states = \$6 M over 4 years or for two states only = \$4 million over 4 years.
- RFP sometime in November; Proposal due end of January = **very short turnaround** to select and write a proposal for any given institution
- The Kansas EPSCoR office is not involved in submission or in any reporting etc. except to facilitate where needed – the research PI will be the PI of the proposal and the proposal will go out directly from the institution, not the EPSCoR office

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FY15 Defense University Research Instrumentation Program (DURIP)

U.S. Department of Defense (DoD) – Air Force Office of Scientific Research (AFOSR) / Office of Naval Research (ONR)

Due Date: 11/17/2014

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), hereafter referred to collectively as “the administering agencies.” The research areas of interest to the administering agencies are available for reference 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, BAA ONRBAA14-001. After 30 Sep 2014, please use the FY15 Long Range Broad Agency Announcement for Navy and Marine Corps Science and Technology, BAA ONRBAA15-001.

Air Force Office of Scientific Research:

See BAA AFOSR-2014-0001 Research Interests of the Air Force Office of Scientific Research available at <http://www.grants.gov/web/grants/search-grants.html?keywords=BAA-AFOSR-2014-0001>.

For detailed information regarding technical goals, potential proposers are advised to refer to the websites cited above. They also are encouraged to contact DoD program managers listed at those sites before submitting proposals, in order to explore research areas that are of mutual interest to the proposers and DoD administering agencies. A proposal may be submitted to more than one administering agency; however, only one administering agency will fund the proposal, if selected, under the 2015 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-2014-0001**

- URL: <http://www.grants.gov/view-opportunity.html?oppld=265590>

Education and Diversity Grants

Kansas NSF EPSCoR

Due Date: 11/3/2014

Education & Diversity Grants are designed to enhance science, technology, engineering and mathematics (STEM) education in Kansas by supporting activities that will lead to an expanded STEM workforce or prepare a new generation for STEM careers in the areas of climate or energy research or atomic/molecular/optical science. These awards are targeted to leverage the educational strengths of the universities in Kansas. An Education & Diversity Grant proposal may target any level of the student population; the general public; K-12 teachers; community or four-year college faculty; or employees in the Kansas workforce. The initiative may employ formal or informal educational methods. Priority will be given to proposals with a significant component that increases diversity by enabling participation in the EPSCoR project's activities by women and men, minorities, persons with disabilities and members of other underrepresented groups (such as first generation college students or participants in geographically underserved locales).

- URL: <http://www.nsfepscor.ku.edu/funding.html>

Small Business Innovation Research Program (SBIR) – Phase 1

National Science Foundation (NSF)

Due Date: 12/2/2014

The Small Business Innovation Research (SBIR) Program stimulates technological innovation in the private sector by strengthening the role of small business concerns in meeting Federal research and development needs, increasing the commercial application of federally supported research results, and fostering and encouraging participation by socially and economically disadvantaged and women-owned small businesses. The SBIR program solicits proposals from the small business sector consistent with NSF's mission. The program is governed by Public Law 112-81 (SBIR/STTR Reauthorization Act of 2011). SBIR policy is provided by the Small Business Administration (SBA) through the SBA Policy Directive. A main purpose of the legislation is to stimulate technological innovation and increase private sector commercialization. The NSF SBIR program is therefore in a unique position to meet both the goals of NSF and the purpose of the SBIR legislation by transforming scientific discovery into both social and economic benefit, and by emphasizing private sector commercialization. **NSF 14-603**

- URL: <http://www.nsf.gov/pubs/2014/nsf14603/nsf14603.htm>

Small Business Technology Transfer Program (STTR) – Phase 1

National Science Foundation (NSF)

Due Date: 12/5/2014

The Small Business Technology Transfer (STTR) Program stimulates technological innovation in the private sector by strengthening the role of small business concerns in meeting Federal research and development needs, increasing the commercial application of federally supported research results, and fostering and encouraging participation by socially and economically disadvantaged and women-owned small businesses. The STTR Program requires researchers at universities, Federally-Funded Research and Development Centers (FFRDCs), and other non-profit research institutions to play a significant intellectual role in the conduct of each STTR project. These researchers, by joining forces with a small company, can spin-off their commercially promising ideas while they remain primarily employed at the research institution. **NSF 14-608**

- URL: <http://www.nsf.gov/pubs/2014/nsf14608/nsf14608.htm>

Secure and Trustworthy Cyberspace (SaTC)

National Science Foundation (NSF)

Due Date: Medium Projects 11/10/2014; Large Projects 11/20/2014; Cybersecurity Education Projects 12/19/2014 (see solicitation for additional due dates in 2015)

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. **NSF 14-599**

- URL: <http://www.nsf.gov/pubs/2014/nsf14599/nsf14599.htm>

ARTS & HUMANITIES

NEA Our Town, FY15

National Endowment for the Arts (NEA)

Due Date: 12/1/2014

Art works to support creative, economically-competitive, healthy, resilient, and opportunity-rich communities. Excellent art is an essential part of building a strong community, as important as land-use, transportation, education, housing, infrastructure, and public safety. Artists and community development practitioners across our nation --sometimes one and the same, sometimes working together -- are striving to make places more livable with enhanced quality of life, increased creative activity, a distinct sense of place, and vibrant local economies that together capitalize on their existing assets. The NEA defines these efforts as *Creative Placemaking*. Through Our Town, subject to the availability of funding, the National Endowment for the Arts will provide a limited number of grants for creative placemaking projects that contribute towards the livability of communities and help transform them into lively, beautiful, and resilient places with the arts at their core. Our Town prioritizes partnerships between arts organizations and government, private, and nonprofit organizations to achieve livability goals for communities. **2015NEA01OT**

Our Town offers support for projects in two areas:

- **Arts Engagement, Cultural Planning, and Design Projects** that represent the distinct character and quality of their communities
- **Projects that Build Knowledge About Creative Placemaking**

- URL: <http://arts.gov/grants-organizations/our-town/introduction>



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The Smithsonian Institution Fellowship Program

Smithsonian Institute

Due Date: 12/1/2014

The Smithsonian Institution Fellowship Program is the Smithsonian Institution's centrally-funded flagship fellowship program. SI Fellowships are awarded annually to scholars wishing to conduct independent study or research at one or more of the Smithsonian's 19 units and research centers. The Smithsonian Institution Fellowship Program is open to:

- Graduate Students
- Predoctoral Students
- Postdoctoral Researchers and
- Senior Researchers (Senior Fellowships are typically 3 to 12 months in length. Applicants must have held a Ph.D. or equivalent for at least 7 years.)

- **URL:**<http://www.smithsonianofi.com/fellowship-opportunities/smithsonian-institution-fellowship-program/>

Sustaining Cultural Heritage Collections

National Endowment for the Humanities (NEH)

Due Date: 12/3/2014

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 man-made 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

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impact. Such a balance can contribute to an institution's financial health, reduce its use of fossil fuels, and benefit its green initiatives, while ensuring that significant collections are well cared for and available for use in humanities programming, education, and research.

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

EDUCATION

Improving Undergraduate STEM Education (IUSE: EHR)

National Science Foundation (NSF)

Due Date: 1/13/2015

The Improving Undergraduate STEM Education (IUSE) program invites proposals that address immediate challenges and opportunities that are facing undergraduate STEM education, as well as those that anticipate new structures (e.g. organizational changes, new methods for certification or credentialing, course re-conception, cyberlearning, etc.) and new functions of the undergraduate learning and teaching enterprise. The IUSE program recognizes and respects the variety of discipline-specific challenges and opportunities facing STEM faculty as they strive to incorporate results from educational research into classroom practice and work with education research colleagues and social science learning scholars to advance our understanding of effective teaching and learning. Toward these ends the program features two tracks: (1) **Engaged Student Learning** and (2) **Institutional and Community Transformation**. Two tiers of projects exist within each track: (i) *Exploration* and (ii) *Design and Development*. These tracks will entertain research studies in all areas. In addition, IUSE also offers support for a variety of focused innovative projects that seek to identify future opportunities and challenges facing the undergraduate STEM education enterprise. **NSF 14-588**

- URL: <http://www.nsf.gov/pubs/2014/nsf14588/nsf14588.htm>



ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

Upcoming NSF Engineering / Computer Science & Engineering / Mathematics Directorates Due Dates for December 2014

12/1/2014:

[Computational and Data-Enabled Science & Engineering \(CDS&E\) – PD 12-8084](#) (Division of Physics)
[Cyber-Learning and Future Learning Technologies – NSF 14-526](#) (Capacity Building Projects)

12/2/2014:

[Small Business Innovation Research Program Phase 1 Solicitation \(SBIR\) – NSF 14-603](#)

12/3/2014:

[Natural Hazards Engineering Research Infrastructure 2015 – 2019 \(NHERI\) – NSF 14-605](#)
[Mathematical Sciences Infrastructure Program – PD 04-1260](#)

12/4/2014:

[Division of Physics: Investigator-Initiated Research Projects \(PHY\), Physics at the Information Frontier \(PIF\) – NSF 14-576](#)

12/5/2014:

[Small Business Technology Transfer Phase 1 Solicitation \(STTR\) – NSF 14-608](#)

12/9/2014:

[Computational and Data-Enabled Science & Engineering \(CDS&E\) – PD 12-8084](#) (Division of
Mathematical Sciences)

12/10/2014:

[Smart and Connected Health \(SCH\) – NSF 13-543](#)

12/15/2014:

[Cyber-Physical Systems \(CPS\) – NSF 14-542](#)
[Computational Mathematics – PD 10-1271](#)

12/19/2014:

[Cyber-Learning and Future Learning Technologies – NSF 14-526](#) (Exploration Projects (EXPs))



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Emerging Frontiers in Research and Innovation 2015 (EFRI – 2015) Two Dimensional Atomic-layer Research and Engineering (2-DARE)

National Science Foundation (NSF)

Due Date: Letter of Intent 11/7/2014; Preliminary Proposals 1/9/2015; Full Proposals 3/30/2015

The Directorate for Engineering at the National Science Foundation has established the Office of Emerging Frontiers in Research and Innovation (EFRI) to serve a critical role in focusing on important emerging areas in a timely manner. This solicitation is a funding opportunity for interdisciplinary teams of researchers to embark on rapidly advancing frontiers of fundamental engineering research. For this solicitation, we will consider proposals that aim to investigate emerging frontiers in the following research area: **Two-Dimensional Atomic-layer Research and Engineering (2-DARE)**

This solicitation is coordinated with the Directorate for Mathematical & Physical Sciences within NSF. Additionally, interest within other Federal agencies, specifically Air Force Office of Scientific Research (AFOSR), may lead to an interagency effort. Submitted proposals may be shared with interested representatives from AFOSR. **NSF 15-502**

- URL: <http://www.nsf.gov/pubs/2015/nsf15502/nsf15502.htm>

Visiting Member Awards – Mathematics

Institute for Advanced Study (IAS)

Due Date: 12/1/2014

Mathematicians and computer scientists are invited to the School of Mathematics each year to work to pursue research projects of their own, with each other or with the school faculty. The major consideration in the appointment process is the expectation that each member's period of residence at the institute will result in work of significance and originality. Many members pursue research related to the special interests of one or more of the faculty. In other instances, the research of members is in areas not currently represented by a member of the faculty.

- URL: <https://www.math.ias.edu/administration/membership>

HEALTH, LIFE & EARTH SCIENCES

Health Policy Fellows Program

Robert Wood Johnson Foundation

Due Date: 11/13/2014

The [Robert Wood Johnson Foundation](http://www.rwjf.org) Health Policy Fellows program is designed to provide a comprehensive fellowship experience at the nexus of health science, policy, and politics in Washington, D.C. The program is designed to provide opportunities for exceptional midcareer health professionals and behavioral and social scientists with an interest in health and healthcare policy. Fellows participate in the policy process at the federal level and use that leadership experience to improve health care and health policy. Exceptional candidates from academic faculties and nonprofit healthcare organizations are encouraged to apply. Applicants may have a background in related health professions, the biomedical sciences, dentistry, economics or other social sciences, a health services organization or administration, medicine, nursing, public health, social and behavioral health, or health law. Applicants must be a citizen or permanent resident of the United States. Up to six grants of up to \$165,000 will be made in 2015. Each fellow will receive up to \$94,000 for his/her Washington stay (September 1, 2015, through August 31, 2016) in salary, plus fringe benefits or a fellowship stipend. Optional applicant conference calls will be held on October 7, 2014 (11:00 a.m. ET), and November 6, 2014 (2:00 p.m. ET). Registration for the calls is required. The complete call for applications, conference call registration information, and application instructions are available at the RWJF website.

- URL: <http://www.rwjf.org/en/grants/funding-opportunities/2014/copy-of-hpf5.html>

DoD Breast Cancer Breakthrough Award Levels 1 and 2

U.S. Department of Defense (DoD)

Due Date: Level 1 & 2 Pre-Applications 12/3/2014; Level 1 & 2 Full Applications 12/17/2014

The intent of the Breakthrough Award is to support promising research that has high potential to lead to or make breakthroughs in breast cancer. The critical components of this award mechanism are:

Impact: Research supported by the Breakthrough Award will have the potential for a major impact and accelerate progress toward ending breast cancer. The impact may be near-term or long-term, but must be significant and move beyond an incremental advancement. Applications must articulate the pathway to making a clinical impact for individuals with, or at risk for, breast cancer, even if clinical impact is not an immediate outcome.

Research Scope: Research proposed under this award mechanism may be small- to large-scale projects, at different stages of idea and research development. Two different funding levels, based on the scope of the research, are available under this Program Announcement/Funding Opportunity. Funding Levels 3 and 4 are available under a different Program Announcement. ***It is the responsibility of the Principal Investigator (PI) to select the funding level that is most appropriate for the research proposed.*** The following are general descriptions, although not all-inclusive, of the scope of research projects that would be appropriate to propose under each funding level:

- **Funding Level 1:** Innovative, high-risk/high-reward research that is in the earliest stages of idea development. Research with potential to yield new avenues of investigation. Proof of concept. No preliminary data required.
- **Funding Level 2:** Research that is already supported by preliminary data and has potential to make significant advancements

W81XWH-14-BCRP-BREAKTHROUGH2_FL12

- URL: <http://www.grants.gov/view-opportunity.html?oppld=263931>

NIMHD Academic Research Enhancement Award: Enhancing Health Disparities Research at Undergraduate Institutions (R15)

National Institutes of Health (NIH) – National Institute on Minority Health and Health Disparities (NIMHD)

Due Date: Letters of Intent 12/12/2014; Applications 1/12/2015

The NIMHD encourages institutions that are eligible to apply for support through the NIH Academic Research Enhancement Awards (AREA) program to submit applications for innovative research projects focused on minority health and health disparities. Awards are intended to support small-scale projects proposed by faculty members at eligible institutions to expose students to meritorious research and to strengthen the research environment of participating institutions. This initiative also seeks to stimulate interest in health disparities research careers among undergraduate students through hands-on participation in original research. **RFA-MD-15-002**

- URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-MD-15-002.html>

MULTIPLE DISCIPLINES

Ecology and Evolution of Infectious Diseases (EEID)

National Science Foundation (NSF)

Due Date: 11/19/2014

The Ecology and Evolution of Infectious Diseases program supports research on the ecological, evolutionary, and socio-ecological principles and processes that influence the transmission dynamics of infectious diseases. The central theme of submitted projects must be quantitative or computational understanding of pathogen transmission dynamics. The intent is discovery of principles of infectious disease transmission and testing mathematical or computational models that elucidate infectious disease systems. Projects should be broad, interdisciplinary efforts that go beyond the scope of typical studies. They should focus on the determinants and interactions of transmission among humans, non-human animals, and/or plants. This includes, for example, the spread of pathogens; the influence of environmental factors such as climate; the population dynamics and genetics of reservoir species or hosts; the cultural, social, behavioral, and economic dimensions of disease transmission. Research may be on zoonotic, environmentally-borne, vector-borne, or enteric diseases of either terrestrial or freshwater systems and organisms, including diseases of animals and plants, at any scale from specific pathogens to inclusive environmental systems. Proposals for research on disease systems of public health concern to developing countries are strongly encouraged, as are disease systems of concern in agricultural systems. Investigators are encouraged to develop the appropriate multidisciplinary team, including for example, modelers, bioinformaticians, genomics researchers, social scientists, economists, epidemiologists, entomologists, parasitologists, microbiologists, bacteriologists, virologists, pathologists or veterinarians, with the goal of integrating knowledge across disciplines to enhance our ability to predict and control infectious diseases. **NSF 14-592**

- **URL:**http://www.nsf.gov/pubs/2014/nsf14592/nsf14592.htm?WT.mc_id=USNSF_25&WT.mc_ev=click

FY15 DoD Multidisciplinary Research Program of the University Initiative (MURI)

U.S. Department of Defense (DoD) – Office of Naval Research (ONR)

Due Date: White Papers 11/24/2014; Applications 2/23/2015

The MURI program supports basic research in science and engineering at U.S. institutions of higher education (hereafter referred to as "universities") 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. It is farsighted high payoff research that provides the basis for technological progress.” (DoD 7000.14.R, vol. 2B, chap.5). DoD’s basic research program invests broadly in many specific fields to ensure that it has early cognizance of new scientific knowledge. The FY 2015 MURI competition is for the topics listed below. Detailed descriptions of the topics can be found in Section VIII, entitled, “Specific MURI Topics,” of this FOA. The detailed descriptions are intended to provide the offeror a frame of reference and are not meant to be restrictive to the possible approaches to achieving the goals of the topic and the program. Innovative ideas addressing these research topics are highly encouraged. Proposals from a team of university investigators are warranted when the necessary expertise in addressing the multiple facets of the topics may reside in different universities, or in different departments in the same university. By supporting multidisciplinary teams, the program is complementary to other DoD basic research programs that support university research through single-investigator awards. Proposals shall name one Principal Investigator (PI) as the responsible technical point of contact. Similarly, one institution shall be the primary awardee for the purpose of award execution. The PI shall come from the primary institution. The relationship among participating institutions and their respective roles, as well as the apportionment of funds including sub-awards, if any, shall be described in both the proposal text and the budget. **ONRFOA14-012**

- URL: <http://www.grants.gov/view-opportunity.html?oppld=266208>

Interdisciplinary Behavioral and Social Science Research (IBSS)

National Science Foundation (NSF)

Due Date: 12/2/2014

The Interdisciplinary Behavioral and Social Science Research (IBSS) competition promotes the conduct of interdisciplinary research by teams of investigators in the social and behavioral sciences. Emphasis is placed on support for research that involves researchers from multiple disciplinary fields, that integrates scientific theoretical approaches and methodologies from multiple disciplinary fields, and that is likely to yield generalizable insights and information that will advance basic knowledge and capabilities across multiple disciplinary fields. **NSF 12-614**

- URL: <http://www.nsf.gov/pubs/2012/nsf12614/nsf12614.htm>

SOCIAL & BEHAVIORAL SCIENCES

Niehaus Postdoctoral and Visiting Fellowship Program 2015-2016

Princeton University

Due Date: 12/1/2014

The Niehaus Center for Globalization and Governance (NCGG) at Princeton University's Woodrow Wilson School of Public and International Affairs seeks up to six visitors for the 2015-2016 academic year. NCGG will award one-year research positions to eligible, talented scholars. These awards are designed to promote basic research in the broad areas of international and comparative political economy, international organization and global governance, and globalization. Research on the causes and consequences of globalization, the political economy of foreign trade, monetary and regulatory policies, the sources of international cooperation at the global and regional level, the domestic and international politics of economic development, the political economy of human security issues, the evolution and impact of international institutions, and the politics of international law and human rights policies is of relevance. Outstanding scholars anywhere in the world are eligible to apply. The Center invites candidates with a background in political science, economics, modern history, sociology, anthropology, law, business, and other disciplines bearing on the study of globalization to apply. Preference will be given to recent recipients of a doctoral degree. Selected candidates will be required to be in residence for the duration of the fellowship (September 1, 2015 - July 1, 2016). This position is subject to the University's background check policy.

- URL: <http://www.princeton.edu/~pcglobal/ncggfellows.html>

Sociology Program – Doctoral Dissertation Research Improvement Awards (Soc-DDRI)

National Science Foundation (NSF)

Due Dates: 11/25/2014, 10/15/2015

The Sociology Program supports basic research on all forms of human social organization -- societies, institutions, groups and demography -- and processes of individual and institutional change. The Program encourages theoretically focused empirical investigations aimed at improving the explanation of fundamental social processes. Included is research on organizations and organizational behavior, population dynamics, social movements, social groups, labor force participation, stratification and mobility, family, social networks, socialization, gender roles, and the sociology of science and technology. The Program supports both original data collections and secondary data analysis that use the full range of quantitative and qualitative methodological tools. Theoretically grounded projects that offer methodological innovations and improvements for data collection and analysis are also welcomed. As part of its effort to encourage and support projects that explicitly



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integrate education and basic research, the Sociology Program provides support to improve the conduct of doctoral dissertation projects undertaken by doctoral students enrolled in U.S. universities when the dissertation research is conducted in a scientifically sound manner and it offers strong potential for enhancing more general scientific knowledge. The Sociology Program funds doctoral dissertation research to defray direct costs associated with conducting research, for example, dataset acquisition, additional statistical or methodological training, meeting with scholars associated with original datasets, and fieldwork away from the student's home campus. Projects are evaluated using the two Foundation-wide criteria, intrinsic merit and broader impacts. In assessing the intrinsic merit of proposed research, four components are key to securing support from the Sociology Program: (1) the issues investigated must be theoretically grounded; (2) the research should be based on empirical observation or be subject to empirical validation or illustration; (3) the research design must be appropriate to the questions asked; and (4) the proposed research must advance our understanding of social processes, structures and methods. **NSF 14-604**

- URL: http://www.nsf.gov/pubs/2014/nsf14604/nsf14604.htm?WT.mc_id=USNSF_25&WT.mc_ev=click

Mental Health Research Dissertation Grant to Increase Diversity (R36)

National Institutes of Health (NIH)

Due Date: 12/22/2014

The purpose of this Funding Opportunity Announcement (FOA), issued by the National Institute of Mental Health (NIMH), is to increase the diversity of the mental health research workforce by providing dissertation awards in all areas of research within the strategic priorities of the NIMH to individuals from diverse backgrounds underrepresented in mental health research to support the completion of the doctoral research project. **PAR-12-103**

- URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-12-103.html>

STUDENTS

NASA Space Technology Research Fellowships – Fall 2015

National Aeronautics and Space Administration (NASA)

Due Date: Step 1 Proposals 11/13/2014; Step 2 Proposals 5/21/2015

NASA's Space Technology Mission Directorate (STMD) seeks to sponsor U.S. citizen and permanent resident graduate student researchers who show significant potential to contribute to NASA's goal of

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creating innovative new space technologies for our Nation's science, exploration, and economic future. This call for graduate student fellowship applications, entitled *NASA Space Technology Research Fellowships (NSTRF) – Fall 2015 (NSTRF15)*, solicits applications from individuals pursuing or planning to pursue master's (e.g., M.S.) or doctoral (e.g., Ph.D.) degrees in relevant space technology disciplines at accredited U.S. universities. NASA Space Technology Fellows will perform innovative space technology research and will improve America's technological competitiveness by providing the Nation with a pipeline of innovative space technologies. Selected candidates will perform research at their respective campuses and at NASA Centers and/or at nonprofit U.S. Research and Development (R&D) laboratories. In addition to his or her faculty advisor, each student will be matched with a technically relevant and community-engaged researcher who will serve as the student's research collaborator. Through this collaboration, students will be able to take advantage of broader and/or deeper space technology research opportunities directly related to their educational and career objectives, acquire a more detailed understanding of the potential end applications of their space technology efforts, directly disseminate their research results within the NASA/nonprofit U.S. R&D lab community, and enhance their understanding of the research process. Awards resulting from this competitive selection will be made in the form of training grants to accredited U.S. universities. This solicitation has two phases. Phase A is the application submission by the student. For the student applicant who is selected in Phase A, the accredited U.S. university where the student will be enrolled for the fall 2015 term as a full-time graduate student must submit a Phase B package (as specified later in this solicitation); complete Phase B package submissions will result in training grant awards. The financial and programmatic support for NSTRF comes from STMD. The fellowships are a component of the Space Technology Research Grants Program. Awards are planned to coincide with the start of the 2015 academic year and are subject to the availability of appropriated funds. This solicitation covers only new fellowship applications; renewal applications are handled separately.

NSTRF15

- **URL:**<http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={DC8136AA-D575-B60D-88EE-0FB3ABF6C16A}&path=open>

The Smithsonian Institute (SI) Postdoctoral Fellowship in Biodiversity Genomics

Smithsonian Institute

Due Date: 12/1/2014

The Smithsonian Institution (SI) Postdoctoral Fellowship in Biodiversity Genomics promotes collaborative research in these fields involving comparative genomic approaches such as phylogenomics, population genomics, metagenomics or transcriptomics, and have a component that involves significant bioinformatics analysis. The fellows selected will participate in the newly formed Smithsonian Institute for Biodiversity Genomics (SIBG), a pan-institutional program designed to stimulate and create opportunities for biodiversity genomics research at the Smithsonian. The SIBG

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guides and facilitates genomics research within traditional strengths of the Smithsonian, including studies of the tree of life, ecology, evolution and adaptation, and conservation. The Smithsonian's molecular research facilities are located at National Museum of Natural History (NMNH), National Zoological Park (NZIP), Smithsonian Environmental Research Center (SERC), and the Smithsonian Tropical Research Institute (STRI) in the Republic of Panama. Collaboration among SI facilities is encouraged.

- **URL:** <http://www.smithsonianofi.com/smithsonian-biodiversity-genomics-postdoctoral-fellowship-program/>