



## Funding Bulletin

August 15<sup>th</sup>, 2014 (Vol. 1, No. 24)

### 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](mailto: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](mailto: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](mailto: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](mailto:proposals@wichita.edu). Please click on the following link for information regarding proposal submission at WSU:

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

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

## 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](mailto: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 limited submissions:

### **(1) 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.

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/>

## **(2) 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 Date: 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. Application submitted in response to this FOA should enable the collection of various types of data needed to inform the design of the future clinical trial(s), including data needed to characterize the study population, to determine inclusion and exclusion criteria, to evaluate recruitment feasibility, to select primary and secondary outcome measures and cut-off points, and to conduct preliminary assessment of efficacy, safety and tolerability of potential study treatments to be tested in the clinical trial phase, and conduct power calculations and related statistical analyses to estimate required sample sizes and follow-up periods for a future trial. **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>

### **(3) Louis Stokes Alliances for Minority Participation (LSAMP)**

*National Science Foundation (NSF)*

**Due Date: Internal 8/29/2014; Full Proposals 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 Hawaiians, 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 OPPORTUNITIES**

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=/ORAIInternalGrants/ORAIInternalGrants/>

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

## GENERAL

### NIH Parent (Unsolicited) Announcements – Cycle III

*National Institutes of Health (NIH)*

**Due Dates: See details below**

**R01 Research Project Grant (Parent R01): 10/5/2014**

- URL: <http://grants.nih.gov/grants/guide/pa-files/PA-13-302.html>

**R03 NIH Small Research Grant Program (Parent R03): 10/16/2014**

- URL: <http://grants.nih.gov/grants/guide/pa-files/PA-13-304.html>

**R15 Academic Research Enhancement Award (Parent R15): 10/25/2014**

- URL: <http://grants.nih.gov/grants/guide/pa-files/PA-13-313.html>

**R21 NIH Exploratory/Developmental Research Grant Program (Parent R21): 10/16/2014**

- URL: <http://grants.nih.gov/grants/guide/pa-files/PA-13-303.html>

### Computational Methods for Decision Making

*Office of Naval Research (ONR) – Department of Defense (DoD)*

**Due Date: White Papers 8/27/2014; Applications 10/9/2014**

The purpose of the applied research (6.2) topic is to identify, understand, and resolve key issues, develop and mature algorithms and methods; determine and demonstrate performance of algorithms, methods, techniques, and strategies for automated computational methods and information systems that support decision making. The algorithms, methods, techniques, and strategies must support autonomous information processing systems that can successfully and securely execute a variety of missions in complex environments while exploiting multiple sources of sensor and open domain data. The program will pursue a wide variety of approaches that enable automated systems to, within the context of a mission, automatically analyze multiple data sources to provide understanding of the battle space, provide management of sensor and other resources to maintain and improve the battle space picture, and to enable and build high performance software systems that are defect free and trustworthy to implement these algorithms, methods, techniques, and strategies. **ONRBAA14-010**

- URL: <http://www.onr.navy.mil/en/Contracts-Grants/Funding-Opportunities/Broad-Agency-Announcements.aspx>

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

## Science of Science and Innovation Policy (SciSIP)

National Science Foundation (NSF)

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

The Science of Science & Innovation Policy (SciSIP) program supports research designed to advance the scientific basis of science and innovation policy. Research funded by the program thus develops, improves and expands models, analytical tools, data and metrics that can be applied in the science policy decision making process. For example, research proposals may develop behavioral and analytical conceptualizations, frameworks or models that have applications across a broad array of SciSIP challenges, including the relationship between broader participation and innovation or creativity. Proposals may also develop methodologies to analyze science and technology data, and to convey the information to a variety of audiences. Researchers are also encouraged to create or improve science and engineering data, metrics and indicators reflecting current discovery, particularly proposals that demonstrate the viability of collecting and analyzing data on knowledge generation and innovation in organizations. Among the many research topics supported are:

- examinations of the ways in which the contexts, structures and processes of science and engineering research are affected by policy decision,
- the evaluation of the tangible and intangible returns from investments in science and from investments in research and development,
- the study of structures and processes that facilitate the development of usable knowledge, theories of creative processes and their transformation into social and economic outcomes,
- the collection, analysis and visualization of new data describing the scientific and engineering enterprise.

The SciSIP program invites the participation of researchers from all of the social, behavioral and economic sciences as well as those working in domain-specific applications such as chemistry, biology, physics, or nanotechnology. The program welcomes proposals for individual or multi-investigator research projects, doctoral dissertation research improvement awards, conferences, workshops, symposia, experimental research, data collection and dissemination, computer equipment and other instrumentation, and research experience for undergraduates. The program places a high priority on interdisciplinary research as well as international collaboration. **PD 09-7626**

- **URL:**[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=501084&WT.mc\\_id=USNSF\\_39&WT.mc\\_ev=click](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501084&WT.mc_id=USNSF_39&WT.mc_ev=click)



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### **Small Business Innovation Research (SBIR) – Phase 1**

*U.S. Environmental Protection Agency (EPA)*

**Due Date: 9/11/2014**

SBIR proposals should directly pertain to the EPA's mission of protecting human health and the environment. Those proposals should also consider the lifecycle environmental impacts of the technology itself, including (if applicable) minimizing resource use, minimizing toxicity of materials, efficient use of water and energy, minimizing pollution, and minimizing the impacts of disposal. The proposed research must be responsive to the topics included in this solicitation. The research should be the basis for technological innovation resulting in new commercial products, processes, or services that benefit the public and promote the growth of the small business. **SOL-NC-14-00014**

- **URL:** <https://www.fbo.gov/?s=opportunity&mode=form&tab=core&id=00d7311d3382359f24d9cf8c185dedc6&cvview=0>

### **Early Career Research Program**

*U.S. Department of Energy (DoE) – Office of Science*

**Due Dates: Pre-Applications 9/11/2014; Applications 11/20/2014**

The Office of Science of the Department of Energy hereby invites grant applications for support under the Early Career Research Program in the following program areas: Advanced Scientific Computing Research (ASCR); Biological and Environmental Research (BER); Basic Energy Sciences (BES), Fusion Energy Sciences (FES); High Energy Physics (HEP), and Nuclear Physics (NP). The purpose of this program is to support the development of individual research programs of outstanding scientists early in their careers and to stimulate research careers in the areas supported by the DOE Office of Science. **DE-FOA-0001170**

- **URL:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=260582>

### **Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grant (Parent T32)**

*National Institutes of Health (NIH)*

**Due Date: 9/25/2014, 1/25/2015, 5/25/2015 (standard due dates apply)**

The National Institutes of Health (NIH) will award Ruth L. Kirschstein National Research Service Award (NRSA) Institutional Research Training Grants (T32) to eligible, domestic institutions to enhance predoctoral and postdoctoral research training, including short-term research training, and help ensure that a diverse and highly trained workforce is available to meet the needs of the Nations

biomedical, behavioral, and clinical research agenda. Research training programs will incorporate didactic, research, and career development components to prepare individuals for careers that will have a significant impact on the health-related research needs of the Nation. **PA-14-015**

- URL: <http://grants.nih.gov/grants/guide/pa-files/PA-14-015.html>

Programs proposing only short-term research training should not apply to this announcement, but rather to the Kirschstein-NRSA Short-Term Institutional Research Training Grant Program (**T35**) exclusively reserved for predoctoral, short-term research training (**PA-14-016**).

- URL: <http://grants.nih.gov/grants/guide/pa-files/PA-14-016.html>

**Notice Inviting Postsecondary Educational Institutions to Participate in Experiments Under the Experimental Sites Initiative; Federal Student Financial Assistance Programs Under Title IV of the Higher Education Act of 1965, as Amended**

*U.S. Department of Education (ED) - Office of Postsecondary Education (OPE)*

**Due Date: 9/29/2014**

The Secretary invites postsecondary educational institutions (institutions) that participate in the student financial assistance programs authorized under title IV of the Higher Education Act of 1965, as amended (the HEA), to apply to participate in new institutionally-based experiments under the Experimental Sites Initiative (ESI). Under the ESI, the Secretary has authority to grant waivers from certain title IV, HEA statutory or regulatory requirements to allow a limited number of institutions to participate in experiments to test alternative methods for administering the title IV, HEA programs. The alternative methods of title IV HEA administration that the Secretary is permitting under the ESI are designed to facilitate efforts by institutions to test certain innovative practices aimed at improving student outcomes.

- URL: <http://www.gpo.gov/fdsys/pkg/FR-2014-07-31/html/2014-18075.htm>

**Residential Fellowship: Berlin Prize**

*American Academy in Berlin*

**Due Date: 9/29/2014**

Supports emerging as well as established scholars, writers and professionals wishing to engage in independent study in Berlin. Around 24 Berlin Prizes are conferred annually. Prizes have been awarded to scholars working in various disciplines, including history, political science, literature,



economics, art history, musicology, anthropology, law and linguistics. The Academy does not accept project proposals in mathematics and the hard sciences. A stipend up to \$5,000 per month is available. Only U.S. candidates are eligible to apply. Applicants must have a Ph.D. or equivalent by the time of application.

- URL: <http://www.americanacademy.de/home/fellows/applications/>

## ARTS & HUMANITIES

### **Charles A. Ryskamp Research Fellowships**

*American Council of Learned Societies (ACLS)*

**Due Date: 9/24/2014**

These fellowships support advanced assistant professors and untenured associate professors in the humanities and related social sciences whose scholarly contributions have advanced their fields and who have well-designed and carefully developed plans for new research. The fellowships are intended to provide time and resources to enable these faculty members to conduct their research under optimal conditions. The ultimate goal of the project should be a major piece of scholarly work by the applicant. ACLS does not fund creative work (e.g., novels or films), textbooks, straightforward translation, or pedagogical projects.

- URL: <http://www.acls.org/programs/ryskamp/>

### **Collaborative Research Fellowships**

*American Council of Learned Societies (ACLS)*

**Due Date: 9/24/2014**

ACLS invites applications for the sixth annual competition for the **ACLS Collaborative Research Fellowships** for collaborative research in the humanities and related social sciences. The program is funded by a generous grant from The Andrew W. Mellon Foundation. The aim of this fellowship program is to offer small teams of two or more scholars the opportunity to collaborate intensively on a single, substantive project. The fellowship supports projects that produce a tangible research product (such as joint print or web publications) for which two or more collaborators will take credit. Collaborations need not be interdisciplinary or inter-institutional. Applicants at the same institution, however, must demonstrate why local funding is insufficient to support the project. Collaborations

that involve the participation of assistant and associate faculty members are particularly encouraged. A collaborative project is constituted of at least two scholars who are each seeking salary-replacement stipends for six to twelve continuous months of supported research leave to pursue full-time collaborative research during the fellowship tenure.

- URL: <http://www.acls.org/programs/collaborative/>

### **Digital Innovations Fellows**

*American Council of Learned Societies (ACLS)*

**Due Date: 9/24/2014**

This program supports digitally based research projects in all disciplines of the humanities and related social sciences. It is hoped that projects of successful applicants will help advance digital humanistic scholarship by broadening understanding of its nature and exemplifying the robust infrastructure necessary for creating such works. ACLS Digital Innovation Fellowships are intended to support an academic year dedicated to work on a major scholarly project that takes a digital form. Projects may:

- Address a consequential scholarly question through new research methods, new ways of representing the knowledge produced by research, or both;
  - Create new digital research resources;
  - Increase the scholarly utility of existing digital resources by developing new means of aggregating, navigating, searching, or analyzing those resources;
  - Propose to analyze and reflect upon the new forms of knowledge creation and representation made possible by the digital transformation of scholarship.
- URL: <http://www.acls.org/programs/digital/>

### **Frederick Burkhardt Residential Fellowships for Recently Tenured Scholars**

*American Council of Learned Societies (ACLS)*

**Due Date: 9/24/2014**

These fellowships support long-term, unusually ambitious projects in the humanities and related social sciences. The ultimate goal of the project should be a major piece of scholarly work by the applicant. ACLS does not fund creative work (e.g., novels or films), textbooks, straightforward translation, or pedagogical projects. The Burkhardt Fellowship Program is open to recently tenured humanists—scholars who will have begun their first tenured contracts by the application deadline but began their first tenured contracts no earlier than the fall 2009 semester or quarter. An applicant must be employed in a tenured position at a degree-granting academic institution in the United

States, remaining so for the duration of the fellowship. U.S. citizenship or permanent residency is not required, and previous supported research leaves do not affect eligibility for the Burkhardt Fellowship. This is a residential fellowship; scholars who are unable to commit to a nine-month residence at one of 13 participating centers should not apply.

- URL: <http://www.acls.org/programs/burkhardt/>

### **Fellowships**

*American Council of Learned Societies (ACLS)*

**Due Date: 9/24/2014**

The **ACLS Fellowship program** invites research applications in all disciplines of the humanities and related social sciences. Appropriate fields of specialization include: anthropology, archaeology, art history, economics, geography, history, languages and literatures, law, linguistics, musicology, philosophy, political science, psychology, religion, and sociology. The ultimate goal of the project should be a major piece of scholarly work by the applicant. ACLS does not fund creative work (e.g., novels or films), textbooks, straightforward translation, or pedagogical projects. The ACLS Fellowships are intended as salary replacement to help scholars devote six to twelve continuous months to full-time research and writing. ACLS Fellowships are portable and are tenable at the fellow's home institution, abroad, or at another appropriate site for research.

- URL: <http://www.acls.org/programs/acls/>

### **Digital Innovation Fellowships**

*American Council of Learned Societies (ACLS)*

**Due Date: 9/24/2014**

The [American Council of Learned Societies](http://www.acls.org) is accepting applications for its ninth annual Digital Innovation Fellowships. With funding from the [Andrew W. Mellon Foundation](http://www.andrewmellon.org), the fellowship program supports digitally-based research projects in all disciplines of the humanities and related social sciences. The aim of the program is to provide scholars with the means to pursue intellectually significant projects that deploy digital technologies intensively and innovatively. Fellowships are intended to support an academic year dedicated to work on a major scholarly project that takes a digital form. Projects may address a consequential scholarly question through new research methods, new ways of representing the knowledge produced by research, or both; create new digital research resources; increase the scholarly utility of existing digital resources by developing new means of aggregating, navigating, searching, or analyzing those resources; or propose to analyze and reflect on

the new forms of knowledge creation and representation made possible by the digital transformation of scholarship. Each fellowship carries a stipend of up to \$60,000 toward an academic year's leave and provides for project costs of up to \$25,000. ACLS does not support creative works (e.g., novels or films), textbooks, straightforward translations, or purely pedagogical projects. **The program is open to scholars in all fields of the humanities and the humanistic social sciences.** Applicants must have a Ph.D. degree conferred prior to the application deadline. An established scholar who can demonstrate the equivalent of a Ph.D. in publications and professional experience may also qualify. United States citizenship or permanent resident status is required as of the application deadline. Visit the ACLS website for complete program guidelines and application procedures.

- URL: <http://www.acls.org/programs/digital/>

### **DFG/NEH Bilateral Digital Humanities Program**

*National Endowment for the Humanities (NEH)*

**Due Date: 9/25/2014**

The National Endowment for the Humanities (NEH) in the United States and the German Research Foundation (Deutsche Forschungsgemeinschaft e.V., DFG) are working together to offer support for projects that contribute to developing and implementing digital infrastructures and services for humanities research. In order to encourage new approaches and develop innovative methods in any field of the humanities, these grants provide funding for up to three years in any of the following areas:

- developing innovative methods—as well as standards and best practices—for building and merging digital collections that are significant and of major current interest, for use in humanities research;
- developing and implementing generic tools, methods, and techniques for accessing and processing digital resources relevant to humanities research;
- creating new digital modes of scholarly communication and publishing that facilitate international cooperation and dissemination of humanities scholarship; and
- developing models for effectively managing digital data generated in humanities research projects (for example, texts, audio files, photographs, 3D objects) and exemplifying those models in case studies.

Collaboration between U.S. and German partners is a key requirement for this grant category. Each application must be sponsored by at least one eligible German individual or institution, and at least one U.S. institution (see Section III, Eligibility, below), and there must be **a project director from each country**. The partners will collaborate to write **a single application package**. The U.S. partner will

submit the package to NEH via Grants.gov, and the German partner will submit it to DFG via regular postal service and preferably also by e-mail.

- URL: <http://www.neh.gov/grants/odh/nehdfq-bilateral-digital-humanities-program>

## BUSINESS

### Research Grants

*Society for Human Resource Management (SHRM) Foundation*

**Due Date: 10/1/2014**

The SHRM Foundation seeks to fund high-impact research on all aspects of human resource management with a focus on addressing current challenges or understanding emerging trends. Any topic may be funded however the research must be aimed at an academic audience while also having direct, actionable implications for HR practice. It is crucial that there is continuity between the research questions proposed and the methods used. The research should also be able to reasonably generalize across people and settings. Investigators should include a statement in the proposal regarding the individuals, groups, industry sectors or countries for which their findings are expected to generalize, given the sample and study design. If your research meets these criteria, we encourage you to [submit a grant proposal](#). We encourage you to submit a [formal letter of inquiry](#) to find out whether or not your proposal will be a good fit with SHRM Foundation funding criteria.

- URL: <https://www.shrm.org/ABOUT/FOUNDATION/RESEARCH/Pages/default.aspx>

## EDUCATION

### Improving Undergraduate STEM Education (IUSE:EHR)

*National Science Foundation (NSF)*

**Due Date: Varies – see detail below**

A well-prepared, innovative science, technology, engineering and mathematics (STEM) workforce is crucial to the Nation's health and economy. Indeed, recent policy actions and reports have drawn attention to the opportunities and challenges inherent in increasing the number of highly qualified

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STEM graduates, including STEM teachers. Priorities include educating students to be leaders and innovators in emerging and rapidly changing STEM fields as well as educating a scientifically literate populace. Both of these priorities depend on the nature and quality of the undergraduate education experience. In addressing these STEM challenges and priorities, the National Science Foundation invests in evidence-based and evidence-generating approaches to understanding STEM learning; to designing, testing, and studying instruction and curricular change; to wide dissemination and implementation of best practices; and to broadening participation of individuals and institutions in STEM fields. The goals of these investments include: increasing the number and diversity of STEM students, preparing students well to participate in science for tomorrow, and improving students' STEM learning outcomes. 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**

**Due Dates:**

Engaged Student Learning: **Exploration** - 10/22/2014

Engaged Student Learning: **Design & Development, I & II** – 1/13/2015

Institutional and Community Transformation: **Exploration** - 10/24/2014

Institutional and Community Transformation: **Design and Development** - 1/13/2015

- **URL:**[http://www.nsf.gov/pubs/2014/nsf14588/nsf14588.htm?WT.mc\\_id=USNSF\\_25&WT.mc\\_ev=click](http://www.nsf.gov/pubs/2014/nsf14588/nsf14588.htm?WT.mc_id=USNSF_25&WT.mc_ev=click)

## ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

### Small Business Innovation Research (SBIR) / Small Business Technology Transfer (STTR) – Phase 1

*U.S. Department of Energy (DoE)*

**Due Date: Letters of Intent 9/2/2014; Applications 10/14/2014**

The objectives of the SBIR/STTR programs include increasing private sector commercialization of technology developed through DOE-supported research and development (R&D), stimulating technological innovation in the private sector, and improving the return on investment from Federally-funded research for economic and social benefits to the nation. DOE will support high-quality research or R&D on advanced concepts concerning important mission-related scientific or engineering problems and opportunities that are likely to lead to significant public benefit from promising research. Other than different eligibility requirements (see Part III – Eligibility Information), the major difference between the SBIR and STTR programs is that STTR grants must involve substantial cooperative research collaboration between the small business and a single Research Institution (see definitions in Appendices/Reference Material at the end of this FOA). However, it should be noted that the SBIR program also permits substantial collaboration between the small business and other organizations, including Research Institutions. The difference is that in SBIR, the collaboration is optional, while in STTR, the collaboration is required and must be cooperative in nature. **DE-FOA-0001164**

- URL: <http://science.energy.gov/sbir/funding-opportunities/>

### NIST Advanced Manufacturing Technology Consortia (AMTech) Program, Planning Awards

*U.S. Department of Commerce (DoC) – National Institute of Standards and Technology (NIST)*

**Due Dates: Pre-Applications 9/5/2014; Invited Applications 10/31/2014**

NIST is soliciting applications for Planning Awards from eligible applicants to establish new and strengthen existing industry-driven consortia that identify and support basic and applied research on long term, pre-competitive and enabling technology development for advanced manufacturing. These consortia address major technological barriers that inhibit the growth of advanced manufacturing in the U.S.; identify and prioritize research projects supporting long term industrial research needs; engage in a range of eligible activities including but not limited to creating new or updating industry-driven, shared-vision technology roadmaps; and catalyze the development of a technology infrastructure and American excellence in advanced manufacturing. **2014-NIST-AMTECH-01**

- URL: <http://www.grants.gov/view-opportunity.html?oppld=260572>

## **US-Japan Big Data and Disaster Research (BDD)**

*National Science Foundation (NSF)*

**Due Date: 9/8/2014**

The US National Science Foundation (NSF) and the Japan Science and Technology Agency (JST) are embarking upon a collaborative research program to address compelling research challenges that arise from leveraging Big Data approaches to transform, at both human and societal scales, disaster management. **NSF 14-575**

This joint NSF/JST solicitation aims to address two specific challenges in the context of leveraging technological advances and using Big Data approaches to support effective disaster management:

- capturing and processing the data associated with disasters to advance capabilities for disaster modeling as well as situational analysis and response modeling; and
- Improving the resilience and responsiveness of emerging computer systems and networks to facilitate the real-time data sensing, visualization, analysis, experimentation and prediction that is critical for time-sensitive decision making.
- 
- **URL:** <http://www.nsf.gov/pubs/2014/nsf14575/nsf14575.htm>

## **Protein Society Awards (Christian B. Anfinsen Award)**

*The Protein Society*

**Due Date: 9/22/2014**

The Protein Society is pleased to announce the opening of the nominations period for the 2015 Protein Society Awards. Presented annually to distinguished scientists, the Protein Society Awards recognize excellence and outstanding achievements in the multidisciplinary fields of protein science and honor distinguished contributions in the areas of leadership, education, and service. The 2015 awards will be presented at the 29<sup>th</sup> annual Symposium of The Protein Society (July 22-25, 2015, in Barcelona, Spain). Nominations will only be accepted from current (2014) members. Nominations are active for two years.

- **URL:** <http://www.proteinsociety.org/protein-society-awards/nominations/>



## **Computer and Information Science and Engineering (CISE) Research Initiation Initiative (CRII)**

*National Science Foundation (NSF)*

**Due Date: 9/24/2014**

With the goal of encouraging research independence immediately upon obtaining one's first academic position after receipt of the PhD, the Directorate for Computer and Information Science and Engineering (CISE) will award grants to initiate the course of one's independent research. Understanding the critical role of establishing that independence early in one's career, it is expected that funds will be used to support untenured faculty or research scientists (or equivalent) in their first two years in an academic position after the PhD. One may not yet have received any other grants in the Principal Investigator (PI) role from any institution or agency, including from the CAREER program or any other award post-PhD. Serving as co-PI, Senior Personnel, Post-doctoral Fellow, or other Fellow does not count against this eligibility rule. It is expected that these funds will allow the new CISE Research Initiation Initiative PI to support one or more graduate students for up to two years. Early-career researchers who are themselves members of underrepresented groups are especially encouraged to apply. CRII awards will be given to researchers to undertake exploratory investigations, to acquire and test preliminary data, develop collaborations within or across research disciplines, and/or develop new algorithms, approaches, and system designs/prototypes, which together or separately may lead to improved capacity to write successful proposals submitted to other programs in the future. In preparing this proposal, PIs should refer to Section V.A for guidance about the organization of the proposal. PIs should be aware that reviewers will be asked to consider the following: 1) the appropriateness of the research objectives for the relatively short duration of the CRII award; 2) the potential of the research initiation activities to produce sufficient preliminary results to serve as the basis for future competitive research proposals; and 3) whether the activities are seen to be the necessary and critical steps for the PI to achieve research independence. **NSF 14-562**

- [URL: http://www.nsf.gov/pubs/2014/nsf14562/nsf14562.htm?WT.mc\\_id=USNSF\\_25&WT.mc\\_ev=click](http://www.nsf.gov/pubs/2014/nsf14562/nsf14562.htm?WT.mc_id=USNSF_25&WT.mc_ev=click)

## **Open Innovative Development in Energy-Related Applied Science (Open Ideas)**

*U.S. Department of Energy (DoE) – Advanced Research Projects Agency – Energy (ARPA-E)*

**Due Date: Concept Papers 9/26/2014**

This announcement is purposely broad in scope to encourage the submission of the most innovative, out-of-the-box ideas in energy technology. Since the first law of thermodynamics states that energy is always conserved, i.e. it can never be created or destroyed, our principal concern is with the conversion of energy into useful energy or maximizing usable energy (exergy). Useful energy can take

many forms including: radiant energy from lights, electrical energy for appliances, thermal energy to heat homes, mechanical energy for transportation, chemical energy in the form of food, and energy used to make products. From the second law of thermodynamics, the entropy of a system cannot decrease when converting energy from one form to another ( $\Delta S \geq 0$ ), the end effect being that all useful energy humans consume ultimately results in the production of heat that is radiated into space, except for a few exceptions such as the energy embedded in products. It is therefore our endeavor to identify technologies that enable the efficient and cost-effective conversion between or within the various different forms of energy (Figure 2) while minimizing exergy destruction. Within this general framework, ARPA-E seeks transformative ideas that enable the most efficient, economical, sustainable, and environmentally benign conversion of energy while minimizing exergy destruction. Applicants may propose any idea that addresses an *ARPA-E Mission Area* (see Section I.A) and falls within one or more *Areas of Interest* selected from the six forms of energy involved in the conversion or interaction of energy (Figure 3). Each Applicant must explain how the proposed concept represents a transformative approach to more efficiently, economically, or sustainably (including reduced use and conservation) utilize energy for useful work. Areas of Interest and some topical examples of conversions and interactions between and within these energy categories are shown in Figure 3. Technical Subcategories for the FOA are derived from these Areas of Interest. Concept Papers must identify one Technical Subcategory listed in Table 1 that is appropriate for the proposed concept topic area. (Note: each Technical Subcategory represents conversion/interaction in either direction. For example, Subcategory 1.3 includes concepts for converting mechanical to chemical energy and chemical to mechanical energy.) **DE-FOA-0001002**

- URL: <https://www.fedconnect.net/fedconnect?doc=DE-FOA-0001002&agency=DOE>

### **Chemical Structure, Dynamics and Mechanisms (CSDM-A)**

*National Science Foundation (NSF)*

**Due Date: 9/30/2014**

Research supported by this program generally seeks to develop and refine our quantitative understanding of molecular structure, reactivity and dynamics. The most successful proposals will be those which describe research that has the potential to change how we think about chemical structure and dynamics in general, as opposed to the behavior of a specific class of molecules or reactions. CSDM-A research often involves the development of experimental techniques that extend the limits of short time scales or spectral resolution. When the development of such capabilities is the primary focus (rather than the pursuit of specific new insights they may enable), the work is probably better suited to the Chemical Measurement and Imaging program. Examples of topics recently funded in CSDM-A include femtosecond time-resolved studies of solvent effects on reaction dynamics, photoelectron spectroscopy of gas phase ions and clusters, nonlinear vibrational

spectroscopy of liquid-liquid interfaces, diffraction/scanning probe studies of molecular adsorbates on metal surfaces, and the molecular modeling of clathrate hydrate growth. **PD 12-9101**

- URL: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=504796](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504796)

### **Chemical Structure, Dynamics and Mechanisms (CSDM-B)**

*National Science Foundation (NSF)*

**Due Date: 9/30/2014**

Research supported in this program seeks to map specific molecular structures to their chemical reactivities and/or chemical properties. It often involves complex chemical systems and may contain a substantial amount of chemical synthesis. While the CSDM-A portfolio includes phenomena that are tracked with ultrafast methods, research supported under CSDM-B extends to time scales dictated by reaction kinetics. CSDM-B proposals generally utilize existing experimental techniques as opposed to developing new ones. Topics of interests to CSDM-B include (but are not limited to) mechanistic studies of organometallic, organic, and inorganic reactions, chemistry of reactive intermediates, mechanistic studies of energy-related processes, and the interaction of light and electrons with chemical structures. Examples of recently funded projects in CSDM-B include mechanistic studies directed toward universal ligands and catalytic reactions of samarium diiodide, charge delocalization and mobility in ground and photoexcited states of conjugated systems, reactivity of 1,2-diradicals, shape-responsive fluorophores, computational studies of cycloaddition reactions, photophysical properties of spin-polarized molecules, and photorelease of stable molecules. **PD 12-9102**

- URL: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=504807&org=CHE&from=home](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504807&org=CHE&from=home)

### **FY14 MASINT Emerging Technologies Research**

*U.S. Department of Defense (DoD)*

**Due Date: 9/30/2014**

Measurement and Signature Intelligence (MASINT) is an intelligence discipline that employs a broad range of scientific developments to gather foreign intelligence. In our efforts to enhance this intelligence competency we are interested in stimulating and supporting research that creates new knowledge and capabilities, or the transition of current capabilities, that have the potential to enhance the following areas: Remote assessment and detection of weapons of mass destruction, specifically nuclear and radiological weapons, as well as chemical and biological weapons. Remote assessment designed as weapons as well as high-powered microwave (HPM) and electromagnetic

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pulse (EMP) weapons. Bioinformatics, the science of collecting and analyzing complex biological data such as genetic codes, has become an important part of many areas of biology. Research should focus on how this science promotes the extraction of useful results from large amounts of raw data as well as how its intrinsic characteristics are applicable to many related research topics. Telematics typically is any integrated use of telecommunications and informatics, also known as ICT (Information and Communications Technology). Possible telematics applications can track vehicles, trailers, and shipping containers. Telematics is also used for relaying environmental conditions within vehicles, trailers or shipping containers, fleet management, mobile data and mobile television, wireless vehicle safety communications allowing vehicles to communicate with those around it and emergency warning system for vehicles. Navy seeks White Papers only from the most knowledgeable experts and universities in the field, with submissions briefly describing expertise. **NPS-BAA-14-001**

- URL: <http://www.nps.edu/Research/workingwithnps.html>

### **Long Range Broad Agency Announcement (BAA) for Navy and Marine Corps Science and Technology**

*Office of Naval Research (ONR) – Department of the Navy Science & Technology*

**Due Date: Full Proposals accepted through 9/30/2014**

The Office of Naval Research (ONR) is interested in receiving proposals for Long-Range Science and Technology (S&T) Projects which offer potential for advancement and improvement of Navy and Marine Corps operations. Readers should note that this is an announcement to declare ONR's broad role in competitive funding of meritorious research across a spectrum of science and engineering disciplines. A brief description of the ONR Program Codes and the science and technology thrusts that ONR is pursuing can be found at the link below: **ONRBAA14-001**

- URL: <http://www.onr.navy.mil/~media/Files/Funding-Announcements/BAA/2014/14-001.ashx>

### **Navy and Marine Corps Science, Technology, Engineering & Mathematics (STEM) Education, Outreach and Workforce Program**

*Office of Naval Research (ONR) – Department of the Navy Science & Technology*

**Due Date: White Papers 9/30/2014**

The Office of Naval Research (ONR) seeks proposals for developing innovative solutions that directly support the development and maintenance of a robust Science, Technology, Engineering and Mathematics (STEM) workforce. The goal of any proposed effort should be to provide "game

changing" solutions that will establish and maintain a diverse pipeline of U.S. citizens who are interested in uniformed or civilian Naval STEM related workforce opportunities. While this announcement is relevant for any stage of the STEM pipeline, for FY14, funding efforts will be targeted primarily towards High School, Undergraduate, and Graduate STEM education and outreach designed to enhance the Navy and Marine Corps STEM workforce and its mission readiness. Emphasis will be given both to key engineering and scientific areas outlined in the Naval S&T Strategic Plan such as our National Naval Responsibilities (see ONR website), and to identified STEM –related workforce gaps and new strategic goals on the uniformed and civilian side. Currently, we are especially interested in efforts related to developing information technology/ computer science/ cyber security expertise, strengthening the engineering disciplines across all Naval activities, as well as improving our technician pipeline. While not a formal requirement or program focus of this FOA, applicants are strongly encouraged to consider under-represented populations including women and minorities in program plans. **ONR-FOA-14-002**

- URL: <http://www.onr.navy.mil/Contracts-Grants/Funding-Opportunities/Broad-Agency-Announcements.aspx>

**Office of Science Financial Assistance Program**  
*U.S. Department of Energy (DoE) – Office of Science*  
**Due Date: 9/30/2014**

The mission of the DOE Office of Science is to deliver the scientific discoveries and major scientific tools that transform our understanding of nature and advance the energy, economic, and national security of the United States. The Office of Science of the Department of Energy hereby announces its continuing interest in receiving grant applications for support of work in the following program areas: **Advanced Scientific Computing Research, Basic Energy Sciences, Biological and Environmental Research, Fusion Energy Sciences, High Energy Physics, and Nuclear Physics**. On September 3, 1992, DOE published in the Federal Register the Office of Energy Research Financial Assistance Program (now called the Office of Science Financial Assistance Program), 10 CFR 605, as a Final Rule, which contained a solicitation for this program. Information about submission of applications, eligibility, limitations, evaluation and selection processes and other policies and procedures are specified in 10 CFR 605. **DE-FOA-0000995**

- URL: <http://science.energy.gov/grants/foas/open/>

## HEALTH, LIFE & EARTH SCIENCES

### Environmental System Science

U.S. Department of Energy (DoE) - Office of Science

**Due Date: Pre-Applications 9/3/2014; Applications 12/2/2014**

The Office of Biological and Environmental Research (BER) of the Office of Science (SC), U.S. Department of Energy (DOE) hereby announces its interest in receiving research applications for environmental system science. The goal of this Funding Opportunity Announcement (FOA) is to improve the representation of terrestrial ecosystems and subsurface processes appropriate for advancing Earth system model capabilities, thereby improving the quality of climate model projections and providing the scientific foundation needed to inform DOE's energy decisions. The FOA will consider applications that focus on measurements, experiments, modeling or synthesis to provide improved quantitative and predictive understanding of terrestrial ecosystems that, in turn, influence atmospheric greenhouse gas concentrations and thereby affect the greenhouse gas forcing of climate. The emphasis of this FOA is to understand non-managed terrestrial ecosystems in the context of a changing climate. Applicants should pose their research applications in the context of representing terrestrial ecosystem and/or subsurface processes appropriate for improving the predictability of climate based on Earth system models. **DE-FOA-0001172**

- URL: <http://www.grants.gov/web/grants/view-opportunity.html?oppld=260625>

### Discovery of *in vivo* Chemical Probes (R01)

National Institutes of Health (NIH)

**Due Dates: Letters of Intent due 30 days before application due date; Applications 10/5/2014, 2/5/2015, 6/5/2015 (standard due dates apply)**

This Funding Opportunity Announcement (FOA) intends to support investigators who have interest and capability to join efforts for the discovery of *in vivo* chemical probes. It is expected that applicants will have in hand the starting compounds ("validated hits") for chemical optimization and bioassays for testing new analog compounds. Through this FOA, NIH wishes to stimulate research in 1) discovery and development of novel, small molecules for their potential use in studying disease treatment relevant to the missions of the participating NIH Institutes, and 2) discovery and/or validation of novel, biological targets that will inform studies of disease mechanisms. Emphasis will be placed on projects that provide new insight into important disease targets and processes. **PAR-14-279**

- URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-14-279.html>

**Global “Omics” Approaches Targeting Adverse Pregnancy and Neonatal Outcomes Utilizing Existing Cohorts (R01)**

*National Institutes of Health (NIH) – National Institute of Child Health and Human Development*

**Due Date: (Letters of Intent due 30 days before application due date) 10/7/2014**

The purpose of this FOA is to encourage the research community to develop applications for applying the state of the science "Omics" technologies to address important pregnancy and neonatal health issues by using existing cohorts that are of sufficient size to obtain meaningful results using these technologies. "Omics" approaches will be used to delineate the molecular mechanisms as well as to identify new biomarkers that predict adverse pregnancy or neonatal outcomes. The goal of this initiative is to hasten the discovery of the pathophysiology of adverse health pregnancy outcomes, discover novel target molecules and diagnostic biomarkers, and ultimately aid in formulating more effective interventional strategies for their management and prevention. It is anticipated that this initiative will help discoveries concerning major maternal and neonatal health problems by using state of the science technologies by analyzing archived materials from existing, well-characterized cohorts. The FOA encourages applicants to propose how they will utilize such existing cohorts, and how they will comply with the data sharing policies so that the resulting outcomes will further maximize our return on our research investment. **PAR-14-264**

- URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-14-264.html>

**Healthy Living Grants**

*American Medical Association (AMA)*

**Due Date: 9/12/2014**

Promoting and establishing healthy behaviors for younger people is more effective, and often easier, than efforts to change unhealthy behaviors already established in adults. The Healthy Living Grant Program supports health education programs to develop school and community-based solutions to behavioral health challenges.

- URL: <http://www.ama-assn.org/ama/pub/about-ama/ama-foundation/our-programs/public-health/healthy-living-grants.page>



### **NEW APPLICATION DUE DATE**

#### **High Impact Neuroscience Research Resource Grants (R24)**

*National Institutes of Health (NIH) – Department of Health & Human Services (HHS)*

**Due Date: ~~Letters of Intent 5/23/2014; Applications 6/23/2014~~ Letters of Intent 9/20/2014; Applications 10/20/2014**

This funding opportunity announcement (FOA) supports high impact efforts to make resources available to neuroscience researchers. Projects should engage in one or more of the following activities: propagation of cutting edge reagents or techniques, dissemination of resources to new user groups, or innovative approaches to increase the scale/efficiency of resource production and delivery. Applications focused on technology or software development are not responsive to this FOA, as the focus is on dissemination or provision of resources. Use of existing technologies to develop new reagents or genetic lines of clear value may be appropriate. Projects should address compelling needs of broad communities of neuroscience researchers or should offer unique services that otherwise would be unavailable. Projects must support the NINDS mission. **RFA-NS-14-006**

- URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-NS-14-006.html>

#### **AHRQ Health Services Research Demonstration and Dissemination Grants (R18)**

*Agency for Healthcare Research and Quality (AHRQ)*

**Due Date: 9/25/2014, 1/25/2014, 5/25/2014 (standard due dates apply)**

This FOA invites Large Research Demonstration and Dissemination (R18) Project applications. The Research Demonstration and Dissemination Grant (R18) is an award made by AHRQ to an institution/organization to support a discrete, specified health services research project. The R18 research plan proposed by the applicant institution/organization must be related to the mission and portfolio priority research interests of AHRQ. Although the PD/PI writes the grant application and is responsible for conducting and supervising the research, the actual applicant is the research institution/organization. The AHRQ mission is to produce evidence to make health care safer, higher quality, more accessible, equitable and affordable, and to work with HHS and other partners to make sure that the evidence is understood and used. **PA-14-290**

Within the mission, AHRQ's specific priority areas of focus are:

- Improve health care quality by accelerating implementation of Patient Centered Outcomes Research (PCOR)





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- Make health care safer
- Increase accessibility by evaluating expansions of insurance coverage
- Improve health care affordability, efficiency and cost transparency
- URL: <http://grants.nih.gov/grants/guide/pa-files/PA-14-290.html>

### **Health Services Research for Preventing Healthcare-Associated Infections (R18)**

*Agency for Healthcare Research and Quality (AHRQ)*

**Due Date: 9/25/2014, 1/25/2015, 5/25/2015 (standard due dates apply)**

This FOA issued by AHRQ solicits grant applications for funding to conduct Health Services Research Demonstration and Dissemination Projects (R18) that propose to address strategies and approaches for prevention, reduction, and effective management of HAIs. The FOA describes the broad areas of HAI research for which funds are available to support Health Services Research Demonstration and Dissemination Projects. **PA-12-240**

- URL: <http://grants.nih.gov/grants/guide/pa-files/PA-12-240.html>

### **NINDS Program Project Grant (P01)**

*National Institutes of Health (NIH) - National Institute of Neurological Disorders (NINDS)*

**Due Dates: 9/25/2014, 1/25/2015, 5/25/2015 (standard due dates apply)**

This funding opportunity announcement (FOA) is issued to enable submission of program project grant applications that propose to conduct innovative, interactive, high impact research. Applications should address significant scientific questions that are important for the mission of NINDS, via a synergistic collaboration between outstanding scientists who might not otherwise collaborate. The program project grant is designed to support research in which the funding of several interdependent highly meritorious projects as a group offers significant scientific advantages over support of these same projects as individual research grants. **PAR-14-183**

- URL: <http://grants.nih.gov/grants/guide/pa-files/PA-14-183.html>

## Resource-Related Research Projects for Development of Animal Models and Related Materials (R24)

*National Institutes of Health (NIH)*

**Due Date: 9/25/2014, 1/25/2015, 5/25/2015 (standard due dates apply)**

This FOA encourages Resource-Related Research Project (R24) grant applications aimed at developing, characterizing or improving animal models of human diseases or improving diagnosis and control of diseases of laboratory animals. The animal models and related materials to be developed must address the research interests of two or more of the categorical NIH Institutes and Centers. In addition, projects that predominantly address the research interests of one NIH Institute or Center, but that are peripherally related to the research interests of other Institutes and Centers will not be considered appropriate for this FOA. **PAR-13-253**

- URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-13-253.html>

## EarthScope National Office (ESNO)

*National Science Foundation (NSF)*

**Due Date: 9/26/2014**

EarthScope is an Earth science program to explore the 4-dimensional structure of the North American continent. The EarthScope Program provides a framework for broad, integrated studies across the Earth sciences, including research on fault properties and the earthquake process, strain transfer, magmatic and hydrous fluids in the crust and mantle, plate boundary processes, large-scale continental deformation, continental structure and evolution, and composition and structure of the deep Earth. In addition, EarthScope offers multiple opportunities for Earth science education at all levels and an excellent opportunity to develop cyberinfrastructure to integrate, distribute, and analyze diverse data sets. The nucleus of the Program is the EarthScope Facility, a multi-purpose array of instruments and observatories consisting of the Plate Boundary Observatory (PBO), the San Andreas Fault Observatory at Depth (SAFOD), and the USArray. These observatories provide an unprecedented amount of geophysical data to address the processes that formed and continue to deform North America. This solicitation calls for proposals to establish a community-based EarthScope National Office. The Office will foster and support integrated science, education, outreach, and related activities for the EarthScope program; facilitate and coordinate EarthScope scientific planning and education and outreach activities; facilitate collaborative research; and when necessary, form scientific responses to “events” in EarthScope topics and/or regions of interest. **NSF 14-553**

- URL: [http://www.nsf.gov/pubs/2014/nsf14553/nsf14553.htm?WT.mc\\_id=USNSF\\_25&WT.mc\\_ev=click](http://www.nsf.gov/pubs/2014/nsf14553/nsf14553.htm?WT.mc_id=USNSF_25&WT.mc_ev=click)

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## LIBRARIES

### **I Love My Librarian Award**

*Carnegie Corporation of New York/ New York Times*

**Due Date: 9/12/2014**

The Carnegie Corporation of New York/New York Times I Love My Librarian Award encourages library users to recognize the accomplishments of exceptional public, school, and college librarians. Administered by the [American Library Association](#), with support from [Carnegie Corporation of New York](#) and the [New York Times Company](#), the program seeks nominations that describe how a librarian is improving the lives of people in a school, campus, or community. Up to ten winners will be selected to receive a \$5,000 cash award, a plaque, and a \$500 travel stipend to attend an awards reception in New York hosted by the *New York Times*. Each nominee must be a librarian with a master's degree from an ALA-accredited program in library and information studies or a master's degree with a specialty in school library media from an educational unit accredited by the [National Council for the Accreditation of Teacher Education](#). Nominees must currently be working in the United States in a public library, a library at an accredited two- or four-year college or university, or at an accredited K-12 school. Nominators of public librarians must be public library users. Nominators of librarians in college, community college, or university libraries must be users of those libraries (e.g., students, faculty, or staff members). Nominators of school library media specialists must be library users (e.g., students, teachers, school administrators or staff members, or parents or caregivers of children at schools where the school library media specialist works). Visit the awards program website for complete program guidelines and nomination procedures.

- URL: <http://www.ilovelibraries.org/nominate-college-community-college-or-university-librarian>

## MULTIPLE DISCIPLINES

### **Outstanding Investigator Award (OIA) (R35)**

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

**Due Date: Letters of Intent 9/20/2014; Applications 10/20/2014**

This Funding Opportunity Announcement (FOA) invites grant applications for the Outstanding Investigator Award (R35) in any area of cancer research. The objective of the National Cancer Institute (NCI) Outstanding Investigator Award (OIA) is to provide long-term support to experienced investigators with outstanding records of cancer research productivity who propose to conduct

exceptional research. The OIA is intended to allow investigators the opportunity to take greater risks, be more adventurous in their lines of inquiry, or take the time to develop new techniques. The OIA would allow an Institution to submit an application nominating an established Program Director/Principal Investigator (PD/PI) for a 7-year grant. It is expected that the OIA would provide extended funding stability and encourage investigators to embark on projects of unusual potential in cancer research. The research projects should break new ground or extend previous discoveries toward new directions or applications that may lead to a breakthrough that will advance biomedical, behavioral, or clinical cancer research. **PAR-14-267**

- URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-14-267.html>

**NIMH Biobehavioral Research Awards for Innovative New Scientists (NIMH BRAINS) (R01)**  
*National Institutes of Health (NIH) - National Institute of Mental Health (NIMH)*  
**Due Date: Letters of Intent 9/23/2014, Applications 10/23/2014, 10/23/2015**

The NIMH Biobehavioral Research Awards for Innovative New Scientists (BRAINS) award is intended to support the research and research career development of outstanding, exceptionally productive scientists who are in the early, formative stages of their careers and who plan to make a long term career commitment to research in specific mission areas of the NIMH. This award seeks to assist these individuals in launching an innovative clinical, translational, basic or services research program that holds the potential to profoundly transform the understanding, diagnosis, treatment, or prevention of mental disorders. **RFA-MH-15-600**

- URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-15-600.html>

## **SOCIAL & BEHAVIORAL SCIENCES**

**NIMH Biobehavioral Research Awards for Innovative New Scientists (NIMH BRAINS) (R01)**  
*U.S. Department of Health and Human Services (HHS); National Institutes of Health (NIH);  
National Institute of Mental Health (NIMH)*  
**Due Date: (Letters of Intent due 30 days before application due date) 10/23/2014**

The NIMH Biobehavioral Research Awards for Innovative New Scientists (BRAINS) award is intended to support the research and research career development of outstanding, exceptionally productive scientists who are in the early, formative stages of their careers and who plan to make a long term career commitment to research in specific mission areas of the NIMH. This award

seeks to assist these individuals in launching an innovative clinical, translational, basic or services research program that holds the potential to profoundly transform the understanding, diagnosis, treatment, or prevention of mental disorders. **RFA-MH-15-600**

- URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-15-600.html>

### **Mentored Career Development Award to Build Research Capacity in Global Mental Health (K01)**

*U.S. Department of Health and Human Services (HHS); National Institutes of Health (NIH); National Institute of Mental Health (NIMH)*

**Due Date: Letters of Intent 9/29/2014; Applications 10/29/2014**

The purpose of the NIMH Mentored Career Development Award to Build Research Capacity in Global Mental Health is to provide support and "protected time" (three to five years) for an intensive, supervised career development experience that will facilitate the entry of early career investigators into the field of global mental health research and lead to research independence. The NIMH invites applications from advanced postdoctoral and/or recently appointed early research scientists (usually with a Ph.D., M.D., or equivalent degree and no more than six years of postdoctoral research experience at the time of application) in biomedical, behavioral, or clinical sciences who are pursuing global mental health research careers in areas supported by the NIMH. After the first year of the award, award recipients must spend at least four months per year in-country conducting research at research sites or institutions in [World Bank](#) defined low- or middle-income countries (LMICs). **RFA-MH-15-700**

- URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-15-700.html>

## **STUDENTS**

### **Harry Middleton Fellowship in Presidential Studies**

*LBJ Foundation*

**Due Date: 9/15/2014, 3/15/2015**

Lady Bird Johnson created the Harry Middleton fellowship to support scholarly work in Presidential studies and to honor Mr. Middleton's contributions to the Presidential library system. Harry Middleton was a speechwriter for President Johnson and served as Director of the LBJ Library from 1972 to 2002. Fellowship recipients must conduct research at the LBJ Library and at least one other facility of the National Archives and Records Administration. Post-doctoral fellows may apply, but

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preference is given to doctoral students whose dissertation research highlights how history can illuminate current and future policy issues.

- URL: <http://www.lbjlibrary.org/page/foundation/initiatives/harry-middleton-fellowship-in-presidential-studies/>

### **Science of Science and Innovation Policy Doctoral Dissertation Research Improvement Grants (SciSIP-DDRIG)**

*National Science Foundation (NSF)*

**Due Date: 9/22/2014**

The Science of Science & Innovation Policy (SciSIP) program supports research designed to advance the scientific basis of science and innovation policy. Research funded by the program thus develops, improves and expands models, analytical tools, data and metrics that can be applied in the science policy decision making process. For example, research proposals may develop behavioral and analytical conceptualizations, frameworks or models that have applications across a broad array of SciSIP challenges, including the relationship between broader participation and innovation or creativity. Proposals may also develop methodologies to analyze science and technology data, and to convey the information to a variety of audiences. Researchers are also encouraged to create or improve science and engineering data, metrics and indicators reflecting current discovery, particularly proposals that demonstrate the viability of collecting and analyzing data on knowledge generation and innovation in organizations. Among the many research topics supported are:

- examinations of the ways in which the contexts, structures and processes of science and engineering research are affected by policy decision,
- the evaluation of the tangible and intangible returns from investments in science and from investments in research and development,
- the study of structures and processes that facilitate the development of usable knowledge, theories of creative processes and their transformation into social and economic outcomes,
- the collection, analysis and visualization of new data describing the scientific and engineering enterprise.

As part of its effort to encourage and support projects that explicitly integrate education and basic research, SciSIP provides support to enhance and improve the conduct of doctoral dissertation projects carried out by doctoral students enrolled in U.S. universities who are conducting scientific research that enhances basic scientific knowledge. The PI must be the advisor of the doctoral student or a faculty member at the U.S. university where the doctoral student is enrolled. The doctoral student will be the Co-PI. **NSF 14-578**

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