



## Funding Bulletin

July 18<sup>th</sup>, 2014 (Vol. 1, No. 22)

### 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).

## 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 four limited submissions:

### (1) Quality of Life Grants

*Christopher and Dana Reeve Foundation*

**Due Dates: Internal 7/18/2014; Application 9/2/2014, 3/1/2015**

Quality of Life Grants provide up to \$25K for individual grants to improve opportunities and quality of life for individuals living with disabilities (primarily paralysis) and their families. Activities supported include access, advocacy, education, recreation and technology. Special consideration is given to organizations serving returning wounded military and their families and diverse cultural communities. **Only one request per cycle should be submitted for an organization.**

- URL: [http://www.christopherreeve.org/site/c.ddJFKRNoFiG/b.4426015/k.7454/Application\\_Process\\_and\\_Requirements.htm](http://www.christopherreeve.org/site/c.ddJFKRNoFiG/b.4426015/k.7454/Application_Process_and_Requirements.htm)

### (2) Superfund Hazardous Substance Research and Training Program (P42)

*U.S. Department of Health and Human Services (HHS); National Institutes of Health (NIH); National Institute of Environmental Health Sciences (NIEHS)*

**Due Dates: Internal 7/25/2014; Optional Letter of Intent 8/3/2014; Application 9/3/2014**

The National Institute of Environmental Health Sciences (NIEHS) is announcing the continuation of the Superfund Hazardous Substance Research and Training Program, referred to as Superfund Research Program (SRP) Centers. SRP Center grants will support problem-based, solution-oriented research Centers that consist of multiple, integrated projects representing both the biomedical and environmental science and engineering disciplines; as well as cores tasked with administrative, community engagement, research translation, training, and research support functions. The scope of the SRP Centers is taken directly from the Superfund Amendments and Reauthorization Act of 1986, and includes: (1) advanced techniques for the detection, assessment, and evaluation of the effect on human health of hazardous substances; (2) methods to assess the risks to human health presented by hazardous substances; (3) methods and technologies to detect

hazardous substances in the environment; and (4) basic biological, chemical, and physical methods to reduce the amount and toxicity of hazardous substances. **Only one application per institution is allowed. RFA-ES-14-007**

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

### **(3) Sloan Research Fellowships**

*Alfred P. Sloan Foundation*

**Due Dates: Internal 8/15/2014; Applications 9/15/2014**

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

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

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

- URL: <http://www.sloan.org/sloan-research-fellowships/>

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

*National Science Foundation (NSF)*

**Due Dates: Internal 8/29/2014; Full Proposal 10/17/2014**

The LSAMP program assists universities and colleges in diversifying the STEM workforce through their efforts at significantly increasing the numbers of students successfully completing high quality degree programs in science, technology, engineering and mathematics (STEM) disciplines. Particular emphasis is placed on transforming STEM education through innovative recruitment and retention strategies and experiences in support of groups historically under-represented in STEM discipline: African-Americans, Alaskan Natives, American Indians, Hispanic Americans, Native 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

### Science Education and Humanitarian Projects

*IEEE Foundation*

**Due Dates: 8/1/2014, 3/7/2015**

The [IEEE Foundation](#) cultivates resources and relationships to foster technological innovation and excellence to benefit humanity. The foundation relies on donations to bring the excitement of scientific discovery to students, foster technological innovation, preserve history, and promote awareness of the long-reaching effects of engineering and its impact on humanity. To that end, the foundation is accepting applications for new projects in the areas of education, history of technology, and applying technology for humanitarian causes.

1) Education: The foundation supports projects that expand and enhance engineering, science, and technology educational opportunities for students of all ages and early to mid-career professionals so as to positively impact workforce development and involvement in IEEE.

2) History of Technology: Through this program, the foundation supports projects that increase awareness of the impact and influence of early technology on the present and future among the general public. Projects primarily aimed at preserving or studying the history of technology must include plans to disseminate the results.

3) Applying Technology for Humanitarian Causes: Within its humanitarian focus area, the foundation supports projects that implement or disseminate replicable, sustainable, technology-based solutions for humanitarian issues in underserved and underprivileged areas.

Last year, the foundation awarded grants totaling \$516,000 to twenty-nine projects. To be eligible, applicants must be considered tax-exempt under Section 501(c)(3) of the Internal Revenue Code. For complete program guidelines, information about grant recipients from previous years, and application instructions, visit the IEEE Foundation website.

- URL: <http://www.ieeefoundation.org/Grants#Criteria>

### Research Grant Program

*The Toyota Foundation*

**Due Date: 9/5/2014**

Research Grant Program 2014, titled "Exploring New Values for Society", provides two grant frameworks respectively for joint research projects and individual research projects that can be expected to lead to the creation of new values for society. For both frameworks, the sponsor solicits ambitious projects that are founded on creative concepts that reflect a youthful perspective and

whose results can help change people's ways of thinking - regardless of their country or region of origin or their social position and circumstances - and can lead to actions that bring about solutions to the issues faced. In line with the program objectives outlined above, the sponsor provides grants to projects that can be expected to lead to the creation of new values for society under two frameworks: Joint Research Grants (Category A) involving project teams and Individual Research Grants (Category B) for research projects carried out by individuals. Neither framework is subject to any restrictions with regard to age, affiliation, or position. Although Category B targets individual research, the sponsor recommends that the projects involve collaboration with various other people in the course of the research. The sponsor particularly welcomes proposals for projects that involve research spanning different disciplines and fields of activity, especially those that involve the participation or cooperation of researchers affiliated with universities or research institutes in the grant recipient's country and elsewhere, as well as those involved with NPOs and NGOs. The expectation is that members of the funded projects will strive to arrive at research results that can be broadly shared with the world. No restrictions are placed on the areas of research or the methods employed, but the following are some examples of project aims that might be pursued in either framework:

- Establishing a cross-generational ethics to consider how natural resources, energy sources, and a rich natural environment can be passed down to future generations; anticipating the environmental problems of the future, as well as proposing solutions; designing social and economic systems for sustainable development within the limits of natural resources and the environment, and formulating indices to gauge human welfare as the basis for those systems
- Elucidating the principles of distributive justice to address the expansion of social disparities and inequality, as well as the increasing disequilibrium between localities; building perspectives on how to revive the functioning of communities and alleviate social isolation
- Disclosing ideas of how to appropriately share the burdens resulting from natural and manmade disasters; assembling a methodology on how to minimize and disperse the risks associated with future disasters
- Seeking an overarching conceptual framework regarding human rights, equality, and justice that encompasses people of different standpoints and cultures; formulating a concept for the formation of new communities in which a diverse range of people can live in harmony; disclosing new ideas on conflict resolution and prevention and peace building
- Proposing new ideas on how to preserve native cultures and histories and pass them on to future generations; alternatively, reevaluating cultures and histories to enhance consideration of issues society is likely to face in the future.
- URL: <http://www.toyotafound.or.jp/english/program/research.html>

## ARTS & HUMANITIES

### Curatorial Grant Program

*Andy Warhol Foundation for the Visual Arts*

**Due Date: 9/1/2014**

Supports curatorial programs at museums, artists' organizations and other cultural organizations that originate innovative and scholarly presentations of contemporary visual art. Projects may include exhibitions, catalogs, education, audience development, and other related activities. Also supports creation of work through artist in residence programs, the work of choreographers and performing artists when the visual arts are an element of a production, and equitable access to resources.

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

## BUSINESS

### Science of Organizations (SoO)

*National Science Foundation (NSF)*

**Due Dates: 9/2/2014, 2/2/2015**

Organizations -- private and public, established and entrepreneurial, designed and emergent, formal and informal, profit and nonprofit -- are critical to the well-being of nations and their citizens. They are of crucial importance for producing goods and services, creating value, providing jobs, and achieving social goals. The Science of Organizations (SoO) program funds basic research that yields a scientific evidence base for improving the design and emergence, development and deployment, and management and ultimate effectiveness of organizations of all kinds. SoO funds research that advances our fundamental understanding of how organizations develop, form and operate. Successful SoO research proposals use scientific methods to develop and refine theories, to empirically test theories and frameworks, and to develop new measures and methods. Funded research is aimed at yielding generalizable insights that are of value to the business practitioner, policy-maker and research communities. SoO welcomes any and all rigorous, scientific approaches that illuminate aspects of organizations as systems of coordination, management and governance.

**PD 11-8031**

In considering whether a particular project might be a candidate for consideration by SoO, please note:

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- Intellectual perspectives may involve (but are not limited to) organizational theory, behavior, sociology or economics, business policy and strategy, communication sciences, entrepreneurship, human resource management, information sciences, managerial and organizational cognition, operations management, public administration, social or industrial psychology, and technology and innovation management.
- Phenomena studied may include (but are not limited to) structures, routines, effectiveness, competitiveness, innovation, dynamics, change and evolution.
- Levels of analysis may include (but are not limited to) organizational, cross-organizational collaborations or relationships, and institutional and can address individuals, groups or teams.
- Research methods may be qualitative and quantitative and may include (but are not limited to) archival analyses, surveys, simulation studies, experiments, comparative case studies, and network analyses.
- URL: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=504696](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504696)

## EDUCATION

### Small Research Grants

*Spencer Foundation*

**Due Date: 8/28/2014**

Foundation focuses on four areas: Education and Social Opportunity; Organizational Learning in Schools, School Systems, and Higher Education Institutions; Teaching, Learning, and Instructional Resources; and Purposes and Values of Education. Small Research Grants (2/6/14, 3/27/14, 6/24/14, 8/28/14) offer up to \$50,000 for pilot research and the initial phases of larger investigations.

- URL: <http://www.spencer.org/content.cfm/small-grants-in-the-areas-of-inquiry>





### **IRA Albert J. Harris Award**

*International Reading Association (IRA)*

**Due Date: 9/1/2014**

The IRA Albert J. Harris Award is given for a recently published journal article or monograph that makes an outstanding contribution to our understanding of prevention or assessment of reading or learning disabilities. Publications may be submitted by the author or anyone else. Copies may be duplicated from the actual publication; reprints are also acceptable. Nomination for the IRA Albert J. Harris Award is open to all literacy professionals.

- URL: [http://www.reading.org/Resources/AwardsandGrants/albert\\_j\\_harris\\_award.aspx](http://www.reading.org/Resources/AwardsandGrants/albert_j_harris_award.aspx)

### **IRA Dine Feitelson Research Award**

*International Reading Association (IRA)*

**Due Date: 9/1/2014**

The IRA Dina Feitelson Research Award is a US\$500 award supported by Jehuda Feitelson was established to honor the memory of Dina Feitelson for a current literature published worldwide focusing on reading and related disciplines to recognize an outstanding empirical study, published in English in a refereed journal. Nomination for the IRA Dina Feitelson Research Award is open to all literacy professionals.

- URL: [http://www.reading.org/Resources/AwardsandGrants/research\\_feitelson.aspx](http://www.reading.org/Resources/AwardsandGrants/research_feitelson.aspx)

### **Research Grants Program**

*American Educational Research Association (AERA)*

**Due Dates: 9/4/2014, 1/24/2015**

With support from the National Science Foundation (NSF), the AERA Grants Program announces its **Research Grants** competition. The program seeks to stimulate research on U.S. education issues using data from the large-scale, national and international data sets supported by the National Center for Education Statistics (NCES), NSF, and other federal agencies, and to increase the number of education researchers using these data sets. The program supports research projects that are quantitative in nature, include the analysis of existing data from NCES, NSF or other federal agencies, and have U.S. education policy relevance. AERA invites education-related research proposals using NCES, NSF, and other federal databases. Research Grants are available for faculty at institutions of higher education, postdoctoral researchers, and other doctoral-level scholars. Applications are encouraged from a variety of disciplines, such as but not limited to, education, sociology, economics, psychology, demography, statistics, and psychometrics. The Governing Board for the AERA Grants

Program has established the following four strands of emphasis for proposals. Applicants are encouraged to submit proposals that:

- develop or benefit from new quantitative measures or methodological approaches for addressing education issues
- include interdisciplinary teams with subject matter expertise, especially when studying science, technology, engineering and mathematics (STEM) learning
- analyze TIMSS, PISA, or other international data resources
- include the integration and analysis of more than one data set

Research projects related to at least one of the strands above and to science and/or mathematics education are especially encouraged. Other topics of interest include policies and practices related to student achievement in STEM, contextual factors in education, educational participation and persistence (kindergarten through graduate school), early childhood education, and postsecondary education. The research project must include the analysis of data from at least one of the large-scale, nationally or internationally representative data sets supported by NCES, NSF, or other federal agency, such as the U.S. Department of Labor, the U.S. Census Bureau, and the National Institutes of Health. The data set(s) of interest must be available for analysis at the time of application (public- or restricted-use files are permissible). Additional data sets may be used in conjunction with the obligatory federal data set. If international data sets are used, the study must include U.S. education.

- URL: <http://www.aera.net/ProfessionalOpportunitiesFunding/FundingOpportunities/AERAGrantsProgram/ResearchGrants/tabid/12813/Default.aspx>

## ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

### Postdoctoral Program in Environmental Chemistry

*The Camille and Henry Dreyfus Foundation*

**Due Date: 8/11/2014**

The Camille and Henry Dreyfus Foundation seeks to further the development of scientific leadership in the field of environmental chemistry with a postdoctoral fellowship program. The Postdoctoral Program in Environmental Chemistry is open to all academic and other not-for-profit organizations in the States, Districts, and Territories of the United States of America. Applications are accepted from principal investigators who have well-established research efforts in environmental science or engineering. These research activities need not be located in traditional departments in the chemical sciences, and collaboration across departments and institutions is encouraged. Applications most likely to be of interest should describe innovative fundamental research in the chemical sciences or

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engineering related to the environment. Examples include but are not limited to the chemistry associated with: the climate, the atmosphere, aquatic or marine settings, toxicology, soil or groundwater.

- URL: [http://www.dreyfus.org/awards/postdoctoral\\_program.shtml](http://www.dreyfus.org/awards/postdoctoral_program.shtml)

### **Cottrell Scholars Awards**

*Research Corporation for Science Advancement*

**Due Date: 8/15/2014**

Started in 1994, the Cottrell Scholar Award Program (CSA) funds early career faculty in the physical sciences and related fields who are committed to excellence in both research and undergraduate teaching at U.S. research universities. The premise is that the right combination of high-caliber research, integrated with modern, interactive educational tools, creates the perfect environment for scientific breakthroughs and outstanding learning outcomes for the next generation of U.S. scientists. The main goal of the CSA program is to advance scientific research and education through promotion of the teacher/scholar model at research universities. Eligible applicants are tenure-track faculty members at U.S. institutions whose primary appointment is in a Bachelor's and Ph.D.-granting department of astronomy, biochemistry, biophysics, chemistry, or physics, but not in a school of medicine or engineering. For the 2014 proposal cycle, eligibility is limited to faculty members who started their first tenure-track position anytime in calendar year 2011.

- URL: <http://www.rescorp.org/grants-and-awards/cottrell-scholar-awards>

### **Microsystems Technology Office Solutions**

*Defense Advanced Research Projects Agency (DARPA)*

**Due Date: 9/1/2014**

This announcement seeks revolutionary research ideas for topics not being addressed by ongoing MTO programs or other published BAA solicitations. This BAA is primarily, but not solely, intended for early stage research (studies) that may lead to larger, focused, MTO programs in the future.

Research areas of current interest in MTO include, but are not limited to, the following topics:

- Heterogeneous Integration
- Emerging MEMs Technologies
- Energy-Efficient Computing
- Non-Silicon Electronics
- Novel Photonic Devices



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- Quantum Devices
- Hardware Assurance, Reliability & Validation
- Low Volume Microsystems Manufacturing
- Signal Processing Hardware
- Low Power Electronics
- Thermal Management
- Advanced Imaging Architectures
- Photonic & Electronic Interconnects
- Microsystem Design & CAD
- Biological & Biomedical Microsystems
- Chip Scale Sensors
- Microsystems for Directed Energy
- Microsystems for Precision Navigation & Timing
- Microsystems for RF/Optical Transceivers
- Other Microsystems Technology Topic Areas

#### **DARPA-BAA-12-64**

- **URL:** <https://www.fbo.gov/index?s=opportunity&mode=form&id=57d11efc9ef5065cc33e0ed2c226698a&tab=core&cvview=1>

### **Partnerships for Innovation: Accelerating Innovation Research- Technology Translation (PFI: AIR-TT)**

*National Science Foundation (NSF)*

**Due Dates: Letters of Intent 9/2/2014; Full Proposals 10/2/2014**

The NSF Partnerships for Innovation (PFI) program within the Division of Industrial Innovation and Partnerships (IIP) is an umbrella for two complementary subprograms, Accelerating Innovation Research (AIR) and Building Innovation Capacity (BIC). Overall, the PFI program offers opportunities to connect new knowledge to societal benefit through translational research efforts and/or partnerships that encourage, enhance and accelerate innovation and entrepreneurship. The subject of this solicitation is PFI: AIR-Technology Translation (PFI: AIR-TT). The PFI: AIR-TT solicitation serves as an early opportunity to move previously NSF-funded research results with promising commercial potential along the path toward commercialization. Projects are supported to demonstrate proof-of-concept, prototype, or scale-up while engaging faculty and students in entrepreneurial/innovative thinking. This solicitation is not intended to fund efforts directed toward only market research or commercialization activities; the commercial development of existing products or proven concepts; straightforward engineering design for packaging; incremental product or process improvements; the evolutionary optimization of existing products; or evolutionary modifications to broaden the scope of

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an existing product or application. Awardees may be offered an opportunity to attend a technology showcase to connect with potential industry collaborators and/or private-sector investors. The showcase would be an opportunity to demonstrate a prototype that resulted from the AIR award. If applicable, supplemental funds would be available to support the participation of such a technology showcase; details will be provided after the award is made. **NSF 14-569**

**WEBINAR: A webinar will be held within 6 weeks of the release date of this solicitation to answer any questions about this solicitation. Details will be posted on the IIP website (<http://www.nsf.gov/eng/iip/pfi/air-tt.jsp>) as they become available.**

- URL: <http://www.nsf.gov/pubs/2014/nsf14569/nsf14569.htm>

### **Air, Climate and Energy (ACE) Centers: Science Supporting Solutions**

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

**Due Date: 9/4/2014**

The U.S. Environmental Protection Agency (EPA), as part of its Science to Achieve Results (STAR) program, is seeking applications for Air, Climate and Energy (ACE) Centers. EPA is interested in supporting research on the development of sound science to systematically inform policy makers at the state and local levels regarding the development of innovative approaches to enable effective implementation of air pollution control strategies to achieve the greatest public health benefits by reducing exposure to harmful air pollution. **EPA-G2014-STAR-J1**

Priority research areas include:

- enhancing understanding of spatial and temporal differences in individual pollutants and pollutant mixtures within and across different areas (including urban areas, or between urban, suburban, and rural areas) or geographic regions;
- identifying and improving the characterization of the most important factors contributing to regional or city-to-city differences or similarities in air pollution and health effects beyond topography and meteorology;
- improving the ability to understand and project how these contributing factors and differences may change over the next one to several decades; and
- advancing scientific knowledge and tools needed to develop robust strategies for air pollution control to improve public and environmental health under a variety of conditions, including consideration of approaches for addressing climate change preparedness.

- URL: <http://www.epa.gov/ncer/rfa/2014/2014-star-ace.html>

## Senior Scientist Mentor Program in the Chemical Sciences

*The Camille & Henry Dreyfus Foundation*

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

The [Camille and Henry Dreyfus Foundation](#) seeks to support emeritus faculty who maintain active research programs with undergraduates in the chemical sciences. The foundation's Senior Scientist Mentor Program is open to all academic institutions in states, districts, and territories of the United States that grant a bachelor's degree or higher in the chemical sciences, including biochemistry, materials chemistry, and chemical engineering. Faculty with emeritus status on or before October 2014 who maintain active research programs in the chemical sciences may apply. Successful applicants are expected to be closely engaged in a mentoring relationship with undergraduate students. Evaluation will be based on both the research proposed and plans for undergraduate participation in the research. An applicant's history of mentoring undergraduates is favorably viewed. The program provides a \$20,000 award over two years, intended mostly for undergraduate stipends. Modest research support is also allowed. Visit the Dreyfus Foundation Web site for complete program guidelines and application procedures.

- URL: [http://dreyfus.org/awards/senior\\_scientist\\_mentor.shtml](http://dreyfus.org/awards/senior_scientist_mentor.shtml)

## HEALTH, LIFE & EARTH SCIENCES

### Enhancing Development Biology Research at Undergraduate Institutions Academic Research Enhancement Award (R15)

*National Institutes of Health (NIH)*

**Due Date: (Letters of Intent due 30 days before application due date) 9/10/2014**

This Funding Opportunity Announcement (FOA) issued by the *Eunice Kennedy Shriver* National Institute of Child Health and Human Development (NICHD) encourages grant applications to strengthen the developmental biology research environment at educational institutions that provide baccalaureate or advanced degrees, but that have not been major recipients of NIH support. In addition, this FOA attempts to foster the development of novel or underutilized experimental model systems, and to motivate students through exposure to and participation in research projects designed to study fundamental processes underlying normal development. **PAR-12-057**

- URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-12-057.html>

### **Cottrell Scholars Awards**

*Research Corporation for Science Advancement*

**Due Date: 8/15/2014**

Started in 1994, the Cottrell Scholar Award Program (CSA) funds early career faculty in the physical sciences and related fields who are committed to excellence in both research and undergraduate teaching at U.S. research universities. The premise is that the right combination of high-caliber research, integrated with modern, interactive educational tools, creates the perfect environment for scientific breakthroughs and outstanding learning outcomes for the next generation of U.S. scientists. The main goal of the CSA program is to advance scientific research and education through promotion of the teacher/scholar model at research universities. **Eligible applicants are tenure-track faculty members at U.S. institutions whose primary appointment is in a Bachelor's and Ph.D.-granting department of astronomy, biochemistry, biophysics, chemistry, or physics, but not in a school of medicine or engineering.** For the 2014 proposal cycle, eligibility is limited to faculty members who started their first tenure-track position anytime in calendar year 2011.

- URL: <http://www.rescorp.org/grants-and-awards/cottrell-scholar-awards>

### **Technologies for Healthy Independent Living**

*National Institutes of Health (NIH)*

**Due Date: (Letters of Intent due 30 days before the application due date) 9/23/2014**

This FOA encourages Research Project Grant (R01) applications for research and development of technologies that monitor health or deliver care in a real-time, accessible, effective, and minimally obtrusive way. These systems are expected to integrate, process, analyze, communicate, and present data so that the individuals are engaged and empowered in their own healthcare with reduced burden to care providers. The development of these technology systems has the potential to significantly improve the quality of life for people with disabilities, people aging with mild impairments, as well as individuals with chronic conditions.

#### **R01: PAR-14-118**

- URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-14-118.html>

#### **R21: PAR-14-119**

- URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-14-119.html>





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## **Earthscope**

*National Science Foundation (NSF)*

**Due Date: 8/25/2014**

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 a centralized forum for Earth science education at all levels and an excellent opportunity to develop cyberinfrastructure to integrate, distribute, and analyze diverse data sets. The EarthScope Facility, consisting of the Plate Boundary Observatory (PBO), the San Andreas Fault Observatory at Depth (SAFOD), and the USArray, is a multi-purpose array of instruments and observatories that greatly expands the observational capabilities of the Earth sciences and permits us to advance our understanding of the structure, evolution and dynamics of the North American continent. This Solicitation calls for single or collaborative proposals to conduct scientific research and/or education and outreach activities within North America that make use of capabilities and/or data provided through the EarthScope Facility to further the scientific and educational goals of EarthScope, as described in the 2010 EarthScope Science Plan and/or EarthScope Education and Outreach Implementation Plan. **NSF 14-552**

- **URL:**[http://www.nsf.gov/pubs/2014/nsf14552/nsf14552.htm?WT.mc\\_id=USNSF\\_25&WT.mc\\_ev=click](http://www.nsf.gov/pubs/2014/nsf14552/nsf14552.htm?WT.mc_id=USNSF_25&WT.mc_ev=click)

## **Initiative to Maximize Research Education in Genomics: Courses (R25)**

*National Institutes of Health (NIH) – National Human Genome Research Institute (NHGRI)*

**Due Date: (Letter of Intent due 30 days prior to application due date) 9/25/2014, 1/25/2015, 5/25/2015 (standard due dates apply)**

The National Human Genome Research Institute (NHGRI) invites R25 applications to support short-term, advanced courses that are intended to disseminate, to a larger scientific audience, new techniques, methods, or analyses related to the mission of the NHGRI. Genomics has stimulated and continues to stimulate the development of powerful new techniques, methods and analyses, and biomedical research would benefit from the rapid, widespread dissemination of these methods to the larger biomedical research community. Short (a few days to two week) courses have been a very effective means of achieving dissemination. NHGRI has also addressed the many ethical, legal and social implications (ELSI) that have been raised by genomics research. Discussion and dissemination of new and emerging ELSI issues would keep the community updated and alerted to issues that should be anticipated in genomics research involving human participants.

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Applications are encouraged for courses designed to address either of these needs. Courses designed to cross-train genomic researchers and ELSI scholars are particularly encouraged. Course offerings should be targeted to individuals in careers at the doctoral level and beyond; are expected to be hosted by academic or research institutions where the staff and faculty are experienced in training; should include as faculty established investigators or scholars actively working in the area of instruction; and should typically be two weeks or less in length and offered annually, although other terms may be acceptable. Applicants may request up to three years of support. This initiative is not intended to support the development of an institution's course curriculum. Participation in these courses must be open to students and investigators nation-wide.

**PAR-13-012**

- URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-13-012.html>

### **NIA STEM: Advancing Diversity in Aging Research through Undergraduate Education**

*National Institutes of Health (NIH)- National Institute on Aging (NIA)*

**Due Date: (Letters of Intent due 30 days prior to application due) 9/25/2014**

This funding opportunity announcement (FOA) issued by the National Institute on Aging (NIA), NIA MSTEM: Advancing Diversity in Aging Research (ADAR) through Undergraduate Education, encourages institutional Research Education Grant (R25) applications from institutions that propose creative and innovative research education programs to diversify the workforce in aging by (1) supporting undergraduate competency and completion in medicine, science, technology, engineering and mathematics ) ((MSTEM) to be referred to as "NIA MSTEM fields" henceforth), as they relate to aging and, also, by (2) application and transition to graduate study that advances a cadre of students from diverse backgrounds into NIA MSTEM fields. The interests of the NIA span biological, biomedical, behavioral, clinical and social sciences research across the lifespan with a focus on processes of aging through midlife and into old age. This FOA is part of NIA's coordinated effort to (a) fill a gap in the pipeline transitioning from undergraduate to graduate education in aging as it relates to medicine, science, technology, engineering, and mathematics and to (b) fulfill the objectives of the NIA Health Disparities Strategic Plan, (<http://www.nia.nih.gov/AboutNIA/HealthDisparities>. Evaluation metrics for participants may include graduation rates in these fields, as well as application and enrollment in aging-related and doctoral programs in these fields. **PAR-12-016**

- URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-12-016.html>

## **Cognitive Neuroscience**

*National Science Foundation (NSF)*

**Due Dates: 8/27/2014, 2/25/2015**

The Cognitive Neuroscience program seeks highly innovative proposals aimed at advancing a rigorous understanding of how the human brain supports thought, perception, affect, action, social processes, and other aspects of cognition and behavior. Topics may bear on core functions such as sensory, learning, language, reasoning, emotion, and executive processes, or more specialized processes such as empathy, creativity, representation of self and other, or intentionality, among many other possibilities. Topics may also include how such processes develop and change in the brain. The program is particularly interested in supporting the development of new techniques and technologies for recording, analyzing, and modeling complex brain activity. Such projects should include a plan for sharing new software and other technologies with the research community at large. **NSF 14-514**

- **URL:** <http://www.nsf.gov/pubs/2014/nsf14514/nsf14514.pdf>

## **Fall 2014 Grant Cycle**

*Patient-Centered Outcomes Research Institute (PCORI)*

**Due Dates: Letters of Intent 9/5/2014; Applications 11/4/2014 – system opens 8/6/14**

The PCORI Online Application System is now open for the Spring 2014 Cycle. Follow the link below for detailed information regarding the following opportunities: 1) Assessment of Prevention, Diagnosis, and Treatment Options, 2) Improving Healthcare Systems, 3) Communication and Dissemination Research, 4) Addressing Disparities and 5) Improving Methods for Conducting Patient-Centered Outcomes Research.

- **URL:** <http://www.pcori.org/funding-opportunities/funding-center/>

## INTERNATIONAL

### International Research Experiences for Students (IRES)

*National Science Foundation (NSF)*

**Due Date: 8/21/2014**

Many of the world's most pressing science and engineering challenges and opportunities are trans-national in nature, and moreover, leading scientific and engineering facilities, resources, and expertise are found around the globe. In order to remain at the forefront of science, technology, engineering, and mathematics (STEM), the United States (U.S.) needs to nurture a globally-engaged STEM workforce capable of performing in an international research environment. To help address this need, the International Research Experiences for Students (IRES) program provides support for U.S. students to conduct high-quality research abroad in collaboration with foreign investigators. Such experiences expose U.S. students to the international research community at a critical early stage in their careers. The IRES program encourages projects in any field that NSF supports. Projects must involve U.S. students conducting research at foreign sites with appropriate foreign expert mentorship. Projects are organized and proposed by U.S. institutions and U.S.-based Principal Investigators, who arrange the specific research topics, foreign site placements, appropriate foreign research mentorship, and necessary local resources, and then recruit and prepare U.S. students to participate in these experiences. A key feature of IRES is that the primary research mentorship in-country must come from the researchers at the foreign host institution. **NSF 12-551**

- URL: <http://www.nsf.gov/pubs/2012/nsf12551/nsf12551.htm>

## LIBRARIES

### OCLC/ALISE Library & Information Science Research Grants

*OCLC Research*

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

Recognizing the importance of research to the advancement of librarianship and information science, OCLC Research and ALISE, the Association for Library and Information Science Education, annually collaborate to offer the Library and Information Science Research Grant Program. The overall goal is to promote independent research, particularly work helping to integrate new technologies that offer innovative approaches, and research that contributes to a better understanding of the information environment and user expectations and behaviors. Grant awards range up to \$15,000 and support one-year research projects. Research related, but not limited, to the following areas is encouraged:

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- Impact of digital technology on libraries, museums, and archives
- Social media, learning, and information-seeking behavior
- New developments in knowledge organization (metadata, social tagging, linked data, etc.)

Full-time academic faculty in schools of library and information science or related fields are eligible to apply. OCLC and ALISE encourage international proposals and collaborative projects. To aid new researchers, priority will be given when possible to proposals from junior faculty and applicants who have not previously received LISRGP funds.

- URL: <http://www.oclc.org/research/grants.html?urlm=160454>

## MULTIPLE DISCIPLINES

### Methodology, Measurement, and Statistics (MMS)

*National Science Foundation (NSF)*

**Due Date: 9/2/2014**

The Methodology, Measurement, and Statistics (MMS) Program is an interdisciplinary program in the Directorate for Social, Behavioral, and Economic Sciences that supports the development of innovative, analytical, and statistical methods and models for those sciences. MMS seeks proposals that are methodologically innovative, grounded in theory, and have potential utility for multiple fields within the social and behavioral sciences. As part of its larger portfolio, the MMS Program partners with a consortium of federal statistical agencies to support research proposals that further the development of new and innovative approaches to surveys and to the analysis of survey data. **NSF 14-574**

The MMS Program provides support through a number of different funding mechanisms:

- Regular Research Awards
- Awards for conferences, workshops, and community-development activities
- Doctoral Dissertation Research Improvement (DDRI) Grants
- Research Experience for Undergraduates (REU) Supplements

MMS also supports Faculty Early Career Development (CAREER) awards. Please see the [CAREER Program Web Site](#) for more information about this activity.

- URL: [http://www.nsf.gov/pubs/2014/nsf14574/nsf14574.htm?WT.mc\\_id=USNSF\\_25&WT.mc\\_ev=click](http://www.nsf.gov/pubs/2014/nsf14574/nsf14574.htm?WT.mc_id=USNSF_25&WT.mc_ev=click)

## 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 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](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501084)

## SOCIAL & BEHAVIORAL SCIENCES

### Cultural Anthropology

*National Science Foundation (NSF)*

**Due Dates: 8/15/2014, 1/15/2015**

The Cultural Anthropology Program supports basic scientific research about the causes, consequences, and complexities of human social and cultural variability. Cultural anthropologists analyze human social and cultural behavior holistically. This integrated approach makes anthropology a valuable research tool for understanding the modern world. Because cultural patterns are emergent over time and space, there is no single natural scale for ethnographic and ethnological analysis. In some cases, cultural patterns may emerge from the collective behavior of large ensembles of smaller scale units; in others, they may be imposed by larger scale constraints. The origins of social and cultural variability may be remote from the scale at which they are observed. Therefore, research may target any appropriate scale or scales from local to regional to global. The Program encourages innovative research that contributes to building spatially and temporally specific theory that extends understanding beyond individual case studies. The Cultural Anthropology Program accepts proposals for a variety of project types: Senior Research proposals (that is, research proposals from scholars with PhDs or equivalent degree); proposals for Doctoral Dissertation Research Improvement Grants; Cultural Anthropology Scholars awards (for research-related, post-PhD training); and CAREER proposals. The Program will also consider proposals for workshops and training programs, as well as supplements to current awards to support Research Experience for Undergraduates (REU) and Research Experience for Graduate Studies (REG). Research in all sub-fields of cultural anthropology is eligible. Successful proposals are characterized by clear research questions and propositions that will be put to the test through meticulous attention to research design, data collection, and analysis. **PD 98-1390**

- URL: [http://nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5388&org=NSF&sel\\_org=NSF&from=fund](http://nsf.gov/funding/pgm_summ.jsp?pims_id=5388&org=NSF&sel_org=NSF&from=fund)

### Political Science

*National Science Foundation (NSF)*

**Due Dates: 8/15/2014, 1/15/2015**

The Political Science Program supports scientific research that advances knowledge and understanding of citizenship, government, and politics. Research proposals are expected to be theoretically motivated, conceptually precise, methodologically rigorous, and empirically oriented. Substantive areas include, but are not limited to, American government and politics, comparative government and politics, international relations, political behavior, political economy, and political

institutions. In recent years, program awards have supported research projects on bargaining processes; campaigns and elections, electoral choice, and electoral systems; citizen support in emerging and established democracies; democratization, political change, and regime transitions; domestic and international conflict; international political economy; party activism; political psychology and political tolerance. The Program also has supported research experiences for undergraduate students and infrastructural activities, including methodological innovations, in the discipline. **PD 98-1371**

- URL: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5418](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5418)

## **Sociology**

*National Science Foundation (NSF)*

**Due Dates: 8/15/2014, 1/15/2015**

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. The Sociology Program also 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. **PD 98-1331**

- URL: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5369](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5369)

## **Mental Health Research Dissertation Grant to Increase Diversity (R36)**

*National Institutes of Health (NIH)*

**Due Dates: 8/22/2014, 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

### Cancer Prevention Fellowship Program

*National Cancer Institute*

**Due Dates: Applications 8/25/2014; Supporting Documentation 8/31/2014**

The Cancer Prevention Fellowship is carefully structured to offer individuals comprehensive training in the field of cancer prevention and control. It is multidisciplinary by nature, as we select fellows from a variety of disciplines and backgrounds. Unlike some postdoctoral programs, our Fellows have the opportunity to develop and lead research activities based on their own interests. The Program provides:

- Up to 4 years of financial support
  - Master of Public Health (MPH) or an equivalent degree at any one-year accrediting university program
  - NCI Summer Curriculum in Cancer Prevention
  - Mentored research opportunities at the NCI or at the FDA
  - Professional development and leadership training
- URL: <http://cpfp.nci.nih.gov/fellowship-program/description/index.shtml>