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Funding Bulletin
November 20th, 2015 (Vol. 3, No. 4)

Funding Information

To receive funding information, please contact funding@wichita.edu.

NOTICE – Notification for the current Funding Bulletin is sent via email. To be added to the electronic mailing list, send an email message to: *funding@wichita.edu.* Leave the subject line blank. In the message area, type: *sub funding bulletin.* To unsubscribe, type: *unsub funding bulletin.*

The selected compilation of funding opportunities is provided by RTT's Pre-Award Services as a resource for Wichita State University Researchers. We encourage you to utilize the campus subscription to PIVOT to find funding opportunities specifically tailored to your research area based on keywords you provide. PIVOT is easy to use and offers other valuable services that are helpful to researchers. Access is available at: *http://pivot.cos.com/home/index* or you may contact *funding@wichita.edu* to have a custom search ran.

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

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How to Apply

Proposal development requests should be sent to *proposals@wichita.edu.* Please click on the following link for information regarding proposal submission at WSU:

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

Let us know you found it in the RTT Funding Bulletin!!

NOTICES

Frequently Asked Questions (FAQs) for NSF 16-503, NSF Research Traineeship (NRT) Program

http://www.nsf.gov/pubs/2016/nsf16021/nsf16021.jsp?WT.mc_id=USNSF_25&WT.mc_ev=click

WORKSHOPS

For more information contact Jana Henderson at jana.henderson@wichita.edu or 978-3285.

WORKSHOP TITLE	DATE	TIME	ROOM	DESCRIPTION
Developing Budgets: How to Avoid a Budget Battle Before a Grant Goes Out	Dec. 16	3:30 – 5:00 p.m.	266 Pike (RSC)	Please join the Office of Research for answers to all your budget questions - Allowable costs vs Unallowable Costs; WSU Rates, Travel questions; How to build flexibility into grant budgets; What is cost match and where can I find it; What is indirect cost recovery? Caleb Loss, Senior Grants and Contracts Administrator, will present on this topic.
PIVOT Open Lab	Dec. 17	2:30-4:00 p.m.	405 Jardine	The Office of Research will be holding Open Labs this fall for Faculty interested in using PIVOT as well as answering questions regarding their existing account. ***This is a come and go lab with no registration required.***

LIMITED SUBMISSIONS

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

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(1) National Science Foundation Research Traineeship (NRT) Program
National Science Foundation (NSF)
Due Date: Internal 11/30/2015; Letters of Intent 12/9/2015; Full Proposals 2/9/2016

The NSF Research Traineeship (NRT) program is designed to encourage the development and implementation of bold, new, and potentially transformative models for STEM graduate education training. The NRT program seeks proposals that ensure that graduate students in research-based master's and doctoral degree programs develop the skills, knowledge, and competencies needed to pursue a range of STEM careers. The NRT program includes **two tracks**: the **Traineeship Track** and the **Innovations in Graduate Education (IGE) Track**. The **Traineeship Track** is dedicated to effective training of STEM graduate students in high priority interdisciplinary research areas, through the use of a comprehensive traineeship model that is innovative, evidence-based, and aligned with changing workforce and research needs. For FY2016, there are four priority areas: (1) Data-Enabled Science and Engineering (DESE), (2) Understanding the Brain (UtB), (3) Innovations at the Nexus of Food, Energy, and Water Systems (INFEWS), and (4) any other interdisciplinary research theme of national priority. The priority research areas for the FY2017 competition will be (1) UtB, (2) INFEWS, and (3) any other interdisciplinary research theme of national priority. The **IGE Track** focuses on test-bed projects aimed at piloting, testing, and validating innovative and potentially transformative approaches to graduate education. IGE projects are intended to generate the knowledge required for their customization, implementation, and broader adoption. While the Traineeship Track promotes building on the current knowledge base to develop comprehensive programs to effectively train STEM graduate students, the IGE Track supports testing of novel models or activities with high potential to enrich and extend the knowledge base on effective graduate education approaches. The NRT program addresses both workforce development, emphasizing broad participation, and institutional capacity building needs in graduate education. For both tracks, strategic collaborations with the private sector, non-governmental organizations (NGOs), government agencies, national laboratories, field stations, teaching and learning centers, informal science centers, and academic partners are encouraged. *Limit on Number of Proposals per Organization: 2 for the Traineeship Track, 2 for the Innovations in Graduate Education Track.* **NSF 16-503**

- **URL:** *http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf16503*

(2) NIH Director's Early Independence Awards (DP5)
National Institutes of Health (NIH) - National Institute of Dental and Craniofacial Research (NIDCR)
Due Date: Internal 12/14/2015; Letter of Intents 12/29/2015; Applications 1/29/2016

The NIH Director's Early Independence Award Program supports exceptional investigators who wish to pursue independent research directly after completion of their terminal doctoral/research degree or clinical residency, thereby forgoing the traditional post-doctoral training period and accelerating their entry into an independent research career. The NIH Director's Early Independence Awards provide an opportunity for exceptional junior scientists to accelerate their entry into an independent research

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career by forgoing the traditional post-doctoral training period. Though most newly graduated doctoral-level researchers would benefit by post-doctoral training, a small number of outstanding junior investigators would benefit instead by launching directly into an independent research career. For these select investigators, who have established a record of scientific innovation and research productivity and who have demonstrated unusual leadership, drive, and maturity, post-doctoral training would unnecessarily delay their entry into performing independent research. The NIH Director's Early Independence Awards also provide an opportunity for institutions to invigorate their research programs by bringing in the fresh perspectives of the awardees that they host. **Two applications per institution are allowed. RFA-RM-15-006**

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

(3) Scalable Nanomanufacturing (SNM)
National Science Foundation (NSF)
Due Date: Internal 1/15/2016; Full Proposal 2/16/2016

The National Science Foundation (NSF) announces a 6th (sixth) year of a solicitation on collaborative research and education in the area of Scalable Nanomanufacturing (SNM). This solicitation is in response to and is a component of the NNI Signature Initiative: Sustainable Nanomanufacturing - Creating the Industries of the Future (http://www.nano.gov/NSINanomanufacturing). Although many nanofabrication techniques have demonstrated the ability to fabricate small quantities of nanomaterials and nanostructures for characterization and evaluation purposes, the emphasis of the Scalable Nanomanufacturing (SNM) solicitation is on research on new manufacturing processes and methods to overcome the key scientific and engineering barriers that prevent the production of useful nanomaterials and nanostructures and their integration into nanodevices and nanosystems at an industrially relevant scale, reliably, and at low cost and within sustainability and environmental, health and safety (EHS) guidelines. Proposals should target nanomanufacturing processes with a clear commercial relevance, and should consider addressing key aspects of the nanomanufacturing value chain of nano-scale building-blocks to complex nanostructures to functional devices to integrated systems:

- Novel scalable processes and techniques for large-area or continuous manufacturing of nano-scale materials and structures and their assembly and integration into higher order structures, devices and systems;
- Fundamental scientific research in key, well-defined technical areas that are compellingly justified as approaches to overcome critical scientific and engineering barriers to scale-up and integration; and
- Design principles for production systems leading to nanomanufacturing tools, systems and platforms; identification of metrology, instrumentation, standards and control methodologies needed for process control and to assess quality and yield; identification of environmental and energy footprints, as applicable.

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Competitive proposals will incorporate three elements in their research plans:

1. A persuasive case that the nanomaterials, nanostructures, nanodevices or nanosystems to be manufactured have or are likely to have sufficient demand to justify eventual scale-up;
2. A clearly identified set of research issues requiring science and engineering solutions that must be addressed to enable the manufacture of high quality nano-enabled products in large quantities and at low cost; and
3. A compelling research plan with clear objectives and approaches to overcome the identified research issues.

These elements should be carefully explained and justified in proposals, since both the scientific novelty and the feasibility of the methods being researched will be important evaluation factors.

Competitive proposals are expected to address the training and education of students in nanomanufacturing and related areas. Since Scalable Nanomanufacturing research will involve addressing multiple scientific challenges, an inter-disciplinary approach is strongly encouraged. Disciplines could range from mathematics to the physical sciences to engineering. While not required, collaborative activities with industrial or small business companies are welcome and collaborations in which industrial partners develop industrially relevant test-beds where university and company researchers can experiment and interact are encouraged. It is advisable that such firms be consulted early in the proposal preparation process and that their intellectual contributions be clearly explained in the proposal. Other research and education projects in nanoscale science and engineering will continue to be supported in the appropriate programs and divisions. Please see requirements for submitting proposals for collaborations; a single proposal with sub-contracts must be submitted for collaborations and the submission of separate proposals from multiple investigators for collaborative projects ('collaborative proposals') is not allowed. ***An academic institution -- a university, or a campus in a multi-campus university -- may submit no more than one (1) proposal on which it is the lead organization in response to this solicitation. The same organization may be a collaborative partner in any number of other multi-organization group proposals in which it is not the lead.*** NSF 16-513

- **URL:** *http://www.nsf.gov/pubs/2016/nsf16513/nsf16513.htm*

INTERNAL OPPORTUNTIES

WSU's Office of Research is currently accepting nominations for three excellence awards **1) Excellence in Creative Activity Award, 2) Award for Community Research, and 3) Excellence in Research Award.** Nominations are due by Friday, December 4th, 2015. For questions regarding this Call for Nominations, please contact Karen Davis by phone at 978-6808 or by email at proposals@wichita.edu.

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

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GENERAL

Research Associateship Programs
National Academies of Sciences, Engineering, and Medicine - National Research Council (NRC)
Due Dates: 2/1/2016, 5/1/2016, 8/1/2016, 11/1/2016

The National Research Council has conducted the Research Associateship Programs in cooperation with sponsoring federal laboratories and other research organizations approved for participation since 1954. Through a national competition, the NRC recommends and makes Research Associateship awards to outstanding scientists and engineers, at the postdoctoral and senior levels, for tenure as guest researchers at the participating laboratories. A limited number of opportunities are available for support of graduate students in select fields. The objectives of the Research Associateship Programs are (1) to provide postdoctoral and senior scientists and engineers of unusual promise and ability opportunities for research on problems, largely of their own choice that are compatible with the interests of the sponsoring laboratories and (2) to, thereby, contribute to the overall efforts of the laboratories. For recent doctoral graduates, the Research Associateship Programs provide an opportunity for concentrated research in association with selected members of the permanent professional laboratory staff. For established scientists and engineers, the Research Associateship Programs afford an opportunity for research without the interruptions and distracting assignments of permanent career positions. Participating laboratories receive a stimulus to their programs by the presence of bright, highly motivated, recent doctoral graduates and by senior investigators with established records of research productivity. New ideas, techniques, and approaches to problems contribute to the overall research climate of the laboratories. Indirectly, Associateships also make available to the broader scientific and engineering communities the excellent and often unique research facilities that exist in the sponsoring laboratories.

- **URL:** *http://sites.nationalacademies.org/PGA/RAP/PGA_050491*

Critical Techniques, Technologies and Methodologies for Advancing Foundations and Applications of Big Data Sciences and Engineering (BIGDATA)
National Science Foundation (NSF)
Due Date: 2/9/2016

The BIGDATA program seeks novel approaches in computer science, statistics, computational science, and mathematics, along with innovative applications in domain science, including social and behavioral sciences, geosciences, education, biology, the physical sciences, and engineering that lead towards the further development of the interdisciplinary field of data science. The solicitation invites two types of proposals: "Foundations" (F): those developing or studying fundamental theories, techniques, methodologies, and technologies of broad applicability to big data problems; and "Innovative Applications" (IA): those developing techniques, methodologies, and technologies of key importance

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to a Big Data problem directly impacting at least one specific application. Projects in this category must be collaborative, involving researchers from domain disciplines and one or more methodological disciplines, e.g., computer science, statistics, mathematics, simulation and modeling, etc. While IA proposals may address critical big data challenges within a specific domain, a high level of innovation is expected in all proposals which should, in general, strive to provide solutions with potential for a broader impact on data science and its applications. IA proposals may focus on novel theoretical analysis and/or on experimental evaluation of techniques and methodologies within a specific domain. **Proposals in all areas of sciences and engineering covered by participating directorates at NSF are welcome.** While notions of volume, velocity, and variety are commonly ascribed to big data problems, other key issues include data quality and provenance. Data-driven solutions must carefully ascribe quality and provenance to results in a manner that is helpful to the users of the results. For example, in some cases, such as in education research, data quality may aggregate to test or measurement instrument quality, where a composite of variables may be used to describe one or more constructs.
In addition to approaches such as search, query processing, and analysis, visualization techniques will also become critical across many stages of big data use--to obtain an initial assessment of data as well as through subsequent stages of scientific discovery. Research on visualization techniques and models will be necessary for serving not only the experts, who are collecting the data, but also those who are users of the data, including "cross-over" scientists who may be working with big data and analytics for the first time, and those using the data for teaching at the undergraduate and graduate levels. The BIGDATA program seeks novel approaches related to all of these areas of study. **NSF 16-512**

- **URL:** *http://www.nsf.gov/pubs/2016/nsf16512/nsf16512.htm*

ARTS & HUMANITIES

Lynette S. Autrey Visiting Faculty in the Rice Seminars Call
Rice University – Humanities Research Center (HRC)
Due Date: 1/4/2016

The Humanities Research Center hosts yearlong residencies at Rice University for outstanding visiting faculty. The program seeks applicants who are engaged in new forms of research and who can play an active scholarly role in the Center. The Rice Seminars are designed to promote humanistic research, broadly understood. They bring together a select group of Rice faculty members, visiting scholars, and Rice graduate students to study a common theme from several disciplinary perspectives (funding is available to bring in outside speakers to present public talks, provide feedback, meet with the seminar participants, participate in a year-end conference, and otherwise engage with seminar participants and the broader Rice community). The most visible goal of the seminars is a scholarly publication to which all participants will contribute. Equally important but less visible is the creation of international and

interdisciplinary scholarly communities that will outlive the seminars themselves. The topic of the Rice Seminars changes each year. For a description of the 2016-17 Rice Seminar please click here.

-   **URL:** *http://hrc.rice.edu/call_autreyfellows*

American Music Abroad
American Voices
Due Date: 1/24/2016

AMA is an international exchange program designed to communicate America's rich musical contributions and diverse culture to audiences around the world. Ensembles will be selected to embark on a multi-country tour, where they engage with international audiences through public concerts, interactive performances with local musicians, lectures and demonstrations, workshops, jam sessions, and media interviews. In addition to concerts and media appearances, the selected ensembles will present educational activities that include, but are not limited to: workshops, classes and community outreach activities. Program activities will focus on younger and underserved audiences in approximately 40 countries in Africa, Asia and Oceania, Eastern Europe, Central and South America and the Middle East. The diversity of traditional American genres the sponsors are seeking, includes, but is not limited to Contemporary Urban, Hip Hop, Rock & Roll, Indie Rock, R&B, Jazz, Blues, Broadway Musical Theater and American roots music genres like Country, Gospel, Soul, Bluegrass, Zydeco, Cajun, Afro-Caribbean, Tejano, Southwestern American Conjunto, Native-American and Folk. Bands combining or crossing-over genres will be considered. The program is a partnership between American Voices and the U.S. Department of State's Bureau of Educational and Cultural Affairs (ECA).

-   **URL:** *http://amvoices.org/ama/apply/*

The Big Read
National Endowment for the Arts (NEA)
Due Date: 1/27/2016

The Big Read, a program of the National Endowment for the Arts, aims to restore reading to the center of American culture. Managed by Arts Midwest, the program provides organizations with grants and comprehensive resources that support their efforts to inspire their community to read and discuss a single book or the work of a poet. Community organizations participating in the Big Read develop and produce reading programs that encourage reading and participation by diverse local audiences. These programs include activities such as author readings, book discussions, art exhibits, lectures, film series, music or dance events, theatrical performances, panel discussions, and other events and activities related to the community's chosen book or poet. Activities must focus on a book or poet from the Big

Read Library. Previous grantees must select a different reading choice from their previous programming. The program is accepting applications from nonprofit organizations to develop reading programs between September 2016 and June 2017. Organizations selected to participate receive a grant, educational and promotional materials, and access to online training resources and opportunities. Approximately seventy-five organizations will be selected from communities of varying size in the United States. Eligible organizations may apply for grants ranging from $5,000 to $20,000. Grants must be matched on a one-to-one basis with non-federal funds. Grant funds may be used for a variety of expenses, including book purchases, speaker fees and travel, salaries, advertising, and venue rental. Applicant organizations must be a 501(c)(3) nonprofit; a division of state, local, or tribal government; or a tax-exempt public library. Eligible applicants include literary centers, libraries, museums, colleges and universities, art centers, historical societies, arts councils, tribal governments, humanities councils, literary festivals, and arts organizations.

- **URL:** *http://www.neabigread.org/guidelines.php*

Humanities Program Grants - Major Grants
Kansas Humanities Council (KHC)
Due Date: Drafts: 1/27/2016; Final Application 2/24/2016 (Spring Cycle)

Kansas Humanities Council Humanities Grants support projects that engage the public with the humanities. **Goals of the Kansas Humanities Council's Humanities Grant program:**

1. Connect communities with history, traditions, and ideas to strengthen civic life.
2. Engage citizens in discussions about a humanities theme or topic.
3. Foster a sense of community.

Examples of eligible projects include a series of public programs that connect to a humanities theme: museum exhibitions, films and book discussions, the creation of short documentary films, radio documentaries, full-length film documentaries, and other creative activities. To be competitive for funding, the humanities must be central to the project. Projects should apply the insights and methods of the humanities to explore a well-defined topic. The humanities include history, literature, philosophy, languages, linguistics, law, archeology, folklore, religious studies, women's and ethnic studies, and the history of art, medicine, and science. Social sciences that take a qualitative approach, such as political science, sociology, and cultural anthropology, are also considered humanities.

- **URL:** *http://kansashumanities.org/kansas-grants/humanities-grants/*

Academy Film Scholars Program
Academy of Motion Picture Arts and Sciences
Due Date: 1/31/2016

Through the Grants program, the Academy seeks to: Promote diversity Bridge the opportunity divide, Attract and engage broad new audiences for theatrical motion pictures, Provide a platform for underrepresented artists, the full range of film genres, and a variety of viewpoints and approaches, Encourage filmmaking as a vocation, Illuminate less visible aspects of filmmaking and the film industry through scholarly research, presentations and discussions. Each applicant must propose a new work in the English language encompassing some aspect of theatrical motion picture art, science, commerce, history or theory. Those examining elements of the film industry that have been underrepresented in the canon of film scholarship will be given priority. Works solely exploring television, video or other media arts are not eligible. Proposed works may be books, multimedia presentations, curatorial projects, interactive DVDs or Internet sites.

- **URL:** *http://www.oscars.org/education-grants/academy-film-scholars*

Visiting Scholar and Visiting Researcher Program in Ethnic Studies
University of California, Los Angeles (UCLA)
Due Date: 2/1/2016

The Institute offers awards to visiting scholars/researchers to support research on African Americans, American Indians, Asian Americans, and Chicanas/os. It especially encourage applications that advance the understanding of new social and cultural realities occasioned by the dramatic population shifts of recent decades, including greater heterogeneity within ethnic groups and increased interethnic contact. The program is open to candidates from all disciplines.

Two types of awards will be offered:
- Visiting Scholar appointments
- Visiting Researcher

The Institute is responsible for strengthening and coordinating interdisciplinary research and instruction in ethnic studies with special attention to the four UCLA Ethnic Studies Research Centers: the American Indian Studies Center, Asian American Studies Center, Bunche Center for African American Studies , and the Chicano Studies Research Center.

- **URL:** *http://www.iac.ucla.edu/fellowships_visitingscholar.html*

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ACLS Digital Extension Grants
American Council of Learned Societies (ACLS)
Due Date: 2/2/2016

ACLS invites applications for the Grant program, made possible by the generous assistance of The Andrew W. Mellon Foundation. This program supports digitally based research projects in all disciplines of the humanities and related social sciences. It is hoped that these grants will help advance the digital transformation of humanities scholarship by extending the reach of existing digital projects to new communities of users. Grants will support teams of scholars as they enhance existing digital projects in ways that engage new audiences across a range of academic communities and institutions. To this end, projects supported by these grants may:

- Extend existing digital projects and resources with content that adds diversity or interdisciplinary reach;
- Develop new systems of making existing digital resources available to broader audiences and/or scholars from diverse institutions;
- Foster new team-based work or collaborations that allow scholars from institutions with limited cyberinfrastructure to exploit digital resources;
- Create new forms and sites for scholarly engagement with the digital humanities.

Projects that document and recognize participant engagement are strongly encouraged. Projects must be hosted by an institution of higher education in the United States.

- **URL:** *http://www.acls.org/programs/digitalextension/*

AMS 75 PAYS Subventions
American Musicological Society (AMS)
Due Date: 2/15/2016, 8/15/2016

Funded through the generous support of the National Endowment for the Humanities, the Andrew W. Mellon Foundation, The Gladys Kriebel Delmas Foundation, and the generous contributions of many individual donors, AMS 75 PAYS Subventions provide support for the publication of first books by scholars in the early stages of their career. The purpose of this subvention is to facilitate the publication of original and significant research in any recognized field of musicology by providing financial support to publishers in order to offset the costs of book production and thereby reduce the retail price of the book.

- **URL:** *http://www.ams-net.org/pubs/AMS75PAYS.php*

Grants
Pollock-Krasner Foundation, Inc.
Due Date: Continuous

The foundation awards grants to artists. The foundation's dual criteria for grants are recognizable artistic merit and demonstrable financial need, whether professional, personal or both. The foundation's mission is to aid, internationally, those individuals who have worked as professional artists over a significant period of time. A crucial part of the application process is based on the review of each artist's images. The Foundation will only accept images completed within the past ten years. The Foundation urges artists to send the highest quality images of their work.

- **URL:** *http://www.pkf.org/grant.html*

BUSINESS

Fellowship Program
Center for Retirement Research at Boston College
Due Date: 1/31/2016

The Center for Retirement Research at Boston College is inviting applications for its 2016 Dissertation Fellowship Program in the field of retirement income research. Through the annual program, which is funded by the U.S. Social Security Administration, fellowship grants of up to $28,000 will be awarded to doctoral candidates to pursue cutting-edge research on retirement issues. Priority areas include Social Security, macroeconomic analyses of Social Security, wealth and retirement income, program interactions, international research, and demographic research. Grant recipients may be required to present their work to the Social Security Administration in Washington, D.C., or Baltimore.

- **URL:** *http://crr.bc.edu/about-us/grant-programs/dissertation-fellowship-program-2/*

Grants
Kazanjian Economics Foundation, Calvin K.
Due Date: 2/15/2016

Addressing the issue of economic illiteracy remains the mission of the sponsor. Projects supported by the Foundation should:

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- Disseminate economic thinking and knowledge by all available means, to the end that greater happiness and prosperity may come to all through better economic understanding.
- Produce materials, conduct seminars and workshops that promote discussions and assist in the development of greater economic literacy.
- Promote the interchange of ideas and experiences among students of economic theory, those teaching it, and those engaged in solving practical economic problems in business and government.
- Further these purposes through cooperation with schools, colleges and universities, foundations or other organizations by financial support or other means.

Support is provided in the following areas:

- Economics for All

The Foundation seeks projects that help students and adults often identified as "at-risk" of not participating in the market economy.

- Teaching Students

Realizing that economics is often considered an abstract subject, not relevant or interesting to students or adults, the Foundation seeks out projects that make the subject more interesting and easily taught. The Foundation is particularly interested in promoting more teaching of economics in the nation's schools and colleges.

- Measuring Economic Understanding

The Foundation has a special interest in finding out what kind of economic education works best. From a contemporary and historical perspective, the Foundation has sponsored a variety of projects that measure economic understanding, and evaluates economic literacy projects.

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

EDUCATION

Research Grants Program
American Educational Research Association (AERA)
Due Date: 1/15/2016

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

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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; and
- 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/AERAGrants Program/ResearchGrants/tabid/12813/Default.aspx_

Small Research Grants in the Areas of Inquiry
Spencer Foundation
Due Date: 2/1/2016, 5/1/2016, 8/1/2016, 11/1/2016

The Foundation's research grants are organized under four areas of inquiry that identify broad topics it believes have fundamental and abiding importance for educational improvement:

1. The Relation Between Education and Social Opportunity: The Foundation seeks to shed light on the role education plays in reducing economic and social inequalities - as well as, sometimes, reinforcing them - and to find ways to more fully realize education's potential to promote more equal opportunity.
2. Organizational Learning in Schools, School Systems, and Higher Education Systems: Sustained improvement in educational performance requires continuous learning within and among schools, education systems, and higher education institutions. The Foundation is interested in advancing

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understanding of ways to strengthen the capacity of schools and education systems as learning organizations.

3. Teaching, Learning, and Instructional Resources: A key aim of research in this initiative is to support investigations of questions that are grounded directly in teaching practice as well as in research about important aspects of teaching and learning processes that hold promise for enriching opportunities to learn and for guiding informed policymaking. The Foundation is particularly interested in studies of teaching and teacher development.

4. Purposes and Values of Education: One important aspect of such inquiry is the question of the relationship between public and political understandings of educational purposes and values, on the one hand, and educational policies and practices on the other. Analytical, historical and empirical work that probes effectively and creatively into these deeply challenging and permanently important issues can contribute mightily toward social decision-making that moves education along constructive paths.

The Foundation also welcomes proposals that do not fit one of the four areas listed through its Field-Initiated Proposal program. This program is for worthwhile research that does not fit easily into even these broad categories. Applicants should explicitly address how their proposed study aligns with the Foundation's mission of research toward educational improvement.

- **URL:** *http://www.spencer.org/small-research-grants*

ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

NASA Small Business Innovation Research (SBIR) Program
National Aeronautics and Space Administration (NASA)
Due Date: 2/1/2016

NASA/NSSC plans to issue a solicitation under the NASA Small Business Innovation Research (SBIR) Program. The NASA SBIR program is conducted under the authority of the Small Business Innovation Research Program Reauthorization Act of 2000. It is designed to provide small businesses with opportunities to compete for federal research and development awards and to stimulate the commercialization of the resulting technology. The NASA 2011 technical topics and subtopics support the NASA Mission Directorates of Space Operations, Aeronautics Research, Science, and Exploration Systems. It is anticipated that the NASA 2011 solicitation will identify specific product areas within each subtopic that NASA wishes to emphasize.

- **URL:** *http://sbir.gsfc.nasa.gov/solicitations*

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NASA Small Business Technology Transfer (STTR) Program
National Aeronautics and Space Administration (NASA)
Due Date: 2/1/2016

The NASA STTR program is conducted under the authority of the Small Business Technology Transfer Program Reauthorization Act of 2000. It is designed to provide small businesses with opportunities to compete for federal research and development awards and to stimulate the commercialization of the resulting technology. The NASA 2011 technical topics and subtopics support the NASA Mission Directorates of Space Operations, Aeronautics Research, Science, and Exploration Systems. It is anticipated that the NASA 2011 solicitation will identify specific product areas within each subtopic that NASA wishes to emphasize.

- **URL:** *http://sbir.gsfc.nasa.gov/solicitations*

Bioengineering Research Grants (BRG) (R01)
National Institutes of Health (NIH)
Due Date: 2/5/2016, 6/5/2016, 10/5/2016 (standard due dates apply)

The purpose of this funding opportunity announcement is to encourage collaborations between the life and physical sciences that: 1) apply a multidisciplinary bioengineering approach to the solution of a biomedical problem; and 2) integrate, optimize, validate, translate or otherwise accelerate the adoption of promising tools, methods and techniques for a specific research or clinical problem in basic, translational, or clinical science and practice. An application may propose design-directed, developmental, discovery-driven, or hypothesis-driven research and is appropriate for small teams applying an integrative approach that can increase our understanding of and solve problems in biological, clinical or translational science. **PAR-13-137**

- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PAR-13-137.html*

Algorithms in the Field (AitF)
National Science Foundation (NSF)
Due Date: 2/9/2016

Algorithms in the Field encourages closer collaboration between two groups of researchers: (i) theoretical computer science researchers, who focus on the design and analysis of provably efficient and provably accurate algorithms for various computational models; and (ii) applied researchers including a combination of systems and domain experts (very broadly construed - including but not limited to researchers in computer architecture, programming languages and systems, computer networks, cyber-physical systems, cyber-human systems, machine learning, database and data

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analytics, etc.) who focus on the particular design constraints of applications and/or computing devices. Each proposal must have at least one co-PI interested in theoretical computer science and one interested in any of the other areas typically supported by CISE. Proposals are expected to address the dissemination of the algorithmic contributions and resulting applications, tools, languages, compilers, libraries, architectures, systems, data, etc. **NSF 15-515**

- **URL:**_http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505125&org=NSF&sel_org=NSF&from=fund_

Camille Dreyfus Teacher-Scholar Award
Dreyfus Foundation, Inc., Camille and Henry
Due Date: 2/10/2016

The awards program supports the research and teaching careers of talented young faculty in the chemical sciences. The program provides discretionary funding to faculty at an early stage in their careers. Criteria for selection include an independent body of scholarship attained within the first five years of their appointment as independent researchers, and a demonstrated commitment to education, signaling the promise of continuing outstanding contributions to both research and teaching.

- **URL:** _http://www.dreyfus.org/awards/camille_dreyfus_teacher_award.shtml_

Civil, Mechanical and Manufacturing Innovation (CMMI) Unsolicited Proposals
National Science Foundation (NSF)
Due Date: 2/15/2016, 9/15/2016

The Division of Civil, Mechanical and Manufacturing Innovation (CMMI) is one of the five divisions in the Directorate for Engineering at the National Science Foundation (NSF). Its mission is to fund fundamental research and education in support of the Foundation's mission through:

- Advances in knowledge to enable manufacturing, design and use of engineering materials, and building technologies across scales from nanometers to kilometers,
- Advances that improve the resilience and sustainability of the nation's civil infrastructure, including reduction of risk and damage from natural and human-induced disasters, and
- Advances in engineering mathematics, engineering decision-making, and systems control and engineering.

The Division encourages cross-disciplinary research partnerships at the intersections of traditional disciplines supported across NSF to promote transformative advances in support of the CMMI

mission. It also encourages discovery enabled by the use of cross-cutting technologies such as adaptive systems, nanotechnology, and simulation. The integration of research and education is supported across all programs of the Division. CMMI is organized into four program clusters, each containing three to five research programs:

- Advanced Manufacturing
- Mechanics and Engineering Materials
- Resilient and Sustainable Infrastructures
- Operations, Design and Dynamical Systems

- **URL:** *http://www.nsf.gov/div/index.jsp?div=CMMI*

Research in the Formation of Engineers (RFE)
National Science Foundation (NSF)
Due Date: 2/17/2016

The NSF Engineering (ENG) Directorate has launched a multi-year initiative, the Professional Formation of Engineers, to create and support an innovative and inclusive engineering profession for the 21st Century. Professional Formation of Engineers (PFE) refers to the formal and informal processes and value systems by which people become engineers. It also includes the ethical responsibility of practicing engineers to sustain and grow the profession in order to improve quality of life for all peoples. The engineering profession must be responsive to national priorities, grand challenges, and dynamic workforce needs; it must be equally open and accessible to all. As part of this initiative, the Research in the Formation of Engineers (RFE) program welcomes proposals that consider the construction of engineering knowledge, engineering identity, and the engineering profession, as well as interventions that expand the boundaries of each of these. Ultimately RFE aims to transform the engineering formation system, and thus the impact of proposed projects on this system must be described. PIs should provide a roadmap detailing how they envision the proposed research will eventually broadly impact practice within the engineering formation system, even if these activities are not within the scope of the submitted proposal. Competitive proposals advance understanding in engineering formation by grounding the proposed work in theory as well as relevant prior work. Proposals should clearly address why the proposed research fills gaps in existing knowledge and address how evaluation will inform the research effort and allow assessment of the project's impact and effectiveness. RFE research projects should address the iterative cycle in which research questions that advance understanding are informed by practice and the results of research are, in turn, translated into practice. In other words, how will the research results travel, translate, transfer, or scale? Successful projects identify specific target audiences, effective communication channels, and novel partnerships to ensure effective propagation and scaling. Proposals to build research capacity such as developing means to measure engineering thinking, doing, making, and knowing or proposals to build research networks or infrastructure will be considered. This program strongly discourages proposals that seek funding

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primarily to develop tools, curriculum, or laboratories, or that seek to implement classroom innovations that have already been shown to be effective in engineering. **PD 15-1340**

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

HEALTH, LIFE & EARTH SCIENCES

AHRQ Conference Grant Program (R13)
Health and Human Services (HHS) - Agency for Healthcare Research and Quality (AHRQ)
Due Date: 2/1/2016, 5/1/2016, 8/1/2016, 11/1/2016

The Agency for Healthcare Research and Quality (AHRQ), announces its interest in supporting conferences through the AHRQ Conference Grant Program. AHRQ seeks to support conferences that help to further its mission to improve the quality, safety, efficiency, and effectiveness of health care for all Americans. The types of conferences eligible for support include:
1) Research development - conferences where issues or challenges in the practice and delivery of health care are defined and a research agenda or strategy for studying them is developed;
2) Research design and methodology - conferences where methodological and technical issues of major importance in the field of health services research are addressed or new designs and methodologies are developed;
3) Dissemination and implementation conferences - conferences where research findings and evidence-based information and tools are summarized, communicated and used by organizations and individuals that have the capability to use the information to improve the outcomes, quality, access to, and cost and utilization of health care services; and/or,
4) Research training, infrastructure and career development - conferences where faculty, trainees and students are brought together with stakeholders to develop, share or disseminate research products, experiences, curricula, syllabi, training competencies. These types of conferences are not for the training of individuals in health services research.

AHRQ is especially interested in supporting conferences that demonstrate strategies that include plans for disseminating complementary conference materials and products beyond the participants attending the event. Such strategies might include, but are not limited to, submitting articles for publication, posting information on a web site, and seeking formal opportunities to discuss conference information with others. Only one PD/PI may be designated on the application. **PA-13-017**

- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PA-13-017.html*

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Biomedical Sciences: Collaborative Research Travel Grants (CRTG)
Burroughs Wellcome Fund (BWF)
Due Date: 2/2/2016 (anticipated)

The CRTG program provides support for individuals to travel either domestically or internationally to a laboratory to acquire a new research technique or to facilitate a collaboration. To capitalize on what appears to be an opportunity to provide relatively unrestricted travel funds to academic scientists and trainees and to provide a stimulus for those working or contemplating working at the interface of science, this program provides travel grants that can be used both internationally and domestically to acquire new research techniques, and to promote collaborations. Applicants must submit proposals in the biomedical sciences. Public health, health policy, or epidemiology proposals will not be accepted.

- **URL:** *http://www.bwfund.org/grant-programs/biomedical-sciences/collaborative-research-travel-grants*

Extended Development, Hardening and Dissemination of Technologies in Biomedical Computing, Informatics and Big Data Science (R01)
National Institutes of Health (NIH)
Due Date: 2/5/2016, 6/5/2016, 10/5/2016 (standard due dates apply)

The goal of this program announcement is to support the extended development, maintenance, testing, evaluation, hardening and dissemination of existing biomedical software. The NIH is interested in promoting a broad base of research and development of technologies in biomedical computing, informatics, and Big Data Science that will support rapid progress in areas of scientific opportunity in biomedical research. It is expected that this research and development is conducted in the context of important biomedical and behavioral research problems and that domain researchers are consulted to make sure that the software is relevant to users. As such, applications are intended to develop enabling technologies that could apply to the interests of most NIH Institutes and Centers and range from basic biomedicine and including research to all relevant organ systems and diseases. Major themes of research include collaborative environments; data integration; analysis and modeling methodologies; and novel computer science and statistical approaches. New opportunities are also emerging as large and complex data sets are becoming increasingly available to the research community. The proposed work should apply best practices and proven methods for software design, construction, and implementation to extend the applicability of existing technologies in biomedical computing, informatics and big data science to a broader biomedical research community. **PA-14-156**

- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PA-14-156.html*

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Health Promotion Among Racial and Ethnic Minority Males (R01)
National Institutes of Health (NIH)
Due Date: 2/5/2016, 6/5/2016, 10/5/2016 (standard due dates apply)

This initiative seeks applications from applicants that propose to stimulate and expand research in the health of minority men. Specifically, this initiative is intended to: 1) enhance our understanding of the numerous factors (e.g., sociodemographic, community, societal, personal) influencing the health promoting behaviors of racial and ethnic minority males and their subpopulations across the life cycle, and 2) encourage applications focusing on the development and testing of culturally and linguistically appropriate health-promoting interventions designed to reduce health disparities among racially and ethnically diverse males and their subpopulations age 21 and older. **PA-13-328**

- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PA-13-328.html*

Maternal Nutrition and Pre-Pregnancy Obesity: Effects on Mothers, Infants and Children (R01)
National Institutes of Health (NIH) – National Institute of Nursing Research (NINR)
Due Date: 2/5/2016, 6/5/2016, 10/5/2016 (standard due dates apply)

This FOA encourages applications to improve health outcomes for women, infants and children, by stimulating interdisciplinary research focused on maternal nutrition and pre-pregnancy obesity. Maternal health significantly impacts not only the mother but also the intrauterine environment, and subsequently fetal development and the health of the newborn. **PA-15-100**

- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PA-15-100.html*

NIDCD Research on Hearing Health Care (R01)
National Institutes of Health (NIH) - National Institute on Deafness and Other Communication Disorders (NIDCD)
Due Date: 2/5/2016, 6/5/2016, 10/5/2016 (standard due dates apply)

This FOA encourages R01 applications from institutions/organizations to support research leading to accessible and affordable hearing health care (HHC). The overarching emphasis is on the acquisition of knowledge that can be rapidly translated into new or enhanced approaches for access, assessment or interventions with a goal to delivering better hearing health care outcomes. Applications should seek quality approaches that are effective, affordable and deliverable to those who need them as well as implementable and sustainable in settings beyond the research environment. **PA-14-091**

- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PA-14-091.html*

NLM Express Research Grants in Biomedical Informatics (R01)
National Institutes of Health (NIH) – National Library of Medicine (NLM)
Due Date: 2/5/2016, 6/5/2016, 10/5/2016 (standard due dates apply)

The National Library of Medicine (NLM) offers support for innovative research in biomedical informatics. The scope of NLM's interest in the research domain of informatics is interdisciplinary, encompassing informatics problem areas in the application domains of health care, public health, basic biomedical research, bioinformatics, biological modeling, translational research and health information management in disasters. NLM defines biomedical informatics as the science of optimal organization, management, presentation and utilization of information relevant to human health and biology. Informatics research produces concepts, tools and approaches that advance what is known in the field and have the capacity to improve human health. **PAR-13-300**

- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PAR-13-300.html*

Spatial Uncertainty: Data, Modeling, and Communication (R01)
National Institutes of Health (NIH)
Due Date: Standard Due Dates Apply – Varies by Mechanism (see below)

The purpose of this funding opportunity announcement (FOA) is to support innovative research that identifies sources of spatial uncertainty (i.e., inaccuracy or instability of spatial or geographic information) in public health data, incorporates the inaccuracy or instability into statistical methods, and develops novel tools to visualize the nature and consequences of spatial uncertainty.

R01 (PA-15-010) Due Dates: 2/5/2016, 6/5/2016, 10/5/2016
- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PA-15-010.html*

R03 (PA-15-011) Due Dates: 2/16/2016, 6/16/2016, 10/16/2016
- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PA-15-011.html*

R21 (PA-15-011) Due Dates: 2/16/2016, 6/16/2016, 10/16/2016
- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PA-15-009.html*

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AHRQ Patient-Centered Outcomes Research (PCOR) Mentored Research Scientist Development Award (K01)
Agency for Healthcare Research and Quality (AHRQ)
Due Date: 2/12/2016, 6/12/2016, 10/12/2016 (standard due dates apply)

The primary purpose of the AHRQ PCOR Mentored Research Scientist Development Award (K01) program is to prepare qualified individuals for careers utilizing complex comparative effectiveness research (CER) methods to clinical and health systems PCOR issues, involving stakeholders, as appropriate, in the design, execution,and dissemination of the research. **PA-13-181**

- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PA-13-181.html*

NIA Academic Leadership Career Award (K07)
National Institutes of Health (NIH) - National Institute on Aging (NIA)
Due Date: 2/12/2016, 6/12/2016, 10/12/2016 (standard dates apply)

The objective of the NIA Research Leadership Career Award (K07) is to provide support for more senior investigators who have the expertise and leadership skills to enhance the aging and geriatric research capacity within their academic institution. **PAR-15-078**

- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PAR-15-078.html*

NIH Small Research Grant Program (Parent R03)
National Institutes of Health (NIH)
Due Date: 2/16/2016, 6/16/2016, 10/16/2016 (standard due dates apply)

The National Institutes of Health (NIH) Investigator-Initiated Small Research Grant (R03) funding opportunity supports small research projects that can be carried out in a short period of time with limited resources. The R03 activity code supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. **PA-13-304**

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

NCAA CHOICES Alcohol Education Grant
National Collegiate Athletic Association (NCAA)
Due Date: 2/23/2016

The NCAA CHOICES program provides funding for NCAA member institutions and conferences to integrate athletics into campus-wide efforts to reduce alcohol abuse. NCAA CHOICES projects must partner athletics with other campus departments in the development and implementation of effective alcohol-education projects. The NCAA chose the theme "CHOICES" because college students are confronted with a variety of choices on a daily basis, some of which have lasting effects on their lives. The NCAA believes that programs implemented through this grant program will help create an environment that supports and encourages personal CHOICES that are legal, healthy, appropriate and safe. The NCAA recognizes that abuse of alcohol may occur in conjunction with athletics events. Further, the NCAA recognizes that athletics can be a partner with campus prevention efforts. Programs that have been developed through NCAA CHOICES have used athletes or athletics events to deliver the educational program to the broader campus. These programs target the larger environment and the broader student body rather than provide programs solely for student-athletes. Collaboration between the athletics department and other campus departments involved in alcohol education is a vital element of an NCAA CHOICES project.

- **URL:** *http://www.ncaa.org/health-and-safety/policy/ncaa-choices-grants*

MULTIPLE DISCIPLINES

Bioengineering Research Grants (BRG) (R01)
National Institutes of Health (NIH)
Due Date: 2/5/2016, 6/5/2016, 10/5/2016 (standard due dates apply)

The purpose of this funding opportunity announcement is to encourage collaborations between the life and physical sciences that: 1) apply a multidisciplinary bioengineering approach to the solution of a biomedical problem; and 2) integrate, optimize, validate, translate or otherwise accelerate the adoption of promising tools, methods and techniques for a specific research or clinical problem in basic, translational, or clinical science and practice. An application may propose design-directed, developmental, discovery-driven, or hypothesis-driven research and is appropriate for small teams applying an integrative approach that can increase our understanding of and solve problems in biological, clinical or translational science. **PAR-13-137**

- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PAR-13-137.html*

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NEW FACULTY/INVESTIGATOR

Early Career Research Grants
W.E. Upjohn Institute for Employment Research
Due Date: 2/1/2016

The Upjohn Institute invites proposals for Early Career Research Grants. These grants are intended to provide resources for junior faculty to carry out policy-related research on labor market issues. The Institute encourages research proposals on all issues related to labor markets and public workforce policy. Early Career Research Grant recipients are expected to write a research paper based on the funded work; submit the paper to the Institute's working paper series; submit the paper to a peer-reviewed journal; and prepare a synopsis of the research for possible publication in the Institute's newsletter, *Employment Research*.

- **URL:** *http://www.upjohn.org/about-us/news-information/grant-opportunities*

SOCIAL & BEHAVIORAL SCIENCES

Research on the Science and Technology Enterprise: Statistics and Surveys - R&D, U.S. S&T Competitiveness, STEM Education, S&T Workforce
National Science Foundation (NSF)
Due Date: 1/15/2016

The National Center for Science and Engineering Statistics (NCSES) of the National Science Foundation (NSF) is one of the thirteen principal federal statistical agencies within the United States. It is responsible for the collection, acquisition, analysis, reporting and dissemination of objective, statistical data related to the science and engineering enterprise in the United States and other nations that is relevant and useful to practitioners, researchers, policymakers and the public. NCSES uses this information to prepare a number of statistical data reports as well as analytical reports including the National Science Board's biennial report, *Science and Engineering (S&E) Indicators,* and *Women, Minorities and Persons with Disabilities in Science and Engineering*. The Center would like to enhance its efforts to support analytic and methodological research in support of its surveys, and to engage in the education and training of researchers in the use of large-scale nationally representative datasets. NCSES welcomes efforts by the research community to use NCSES data for research on the science and technology enterprise, to develop improved survey methodologies for NCSES surveys, to create and improve indicators of S&T activities and resources, and strengthen methodologies to analyze and

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disseminate S&T statistical data. To that end, NCSES invites proposals for individual or multi-investigator research projects, doctoral dissertation improvement awards, workshops, experimental research, survey research and data collection and dissemination projects under its program for Research on the Science and Technology Enterprise: Statistics and Surveys. **NSF 15-521**

- **URL:** *http://www.afar.org/research/funding/afar-research-grants/*

Systems Science and Health in the Behavioral and Social Sciences (R01)
National Institutes of Health (NIH)
Due Date: Letters of Intent due 30 days prior to application due date; Applications 2/5/2016, 6/5/2016, 10/5/2016 (standard due dates apply)

This FOA is intended to increase the breadth and scope of topics that can be addressed with systems science methodologies. This FOA calls for research projects that are applied and/or basic in nature (including methodological and measurement development), have a human behavioral and/or social science focus, and employ methodologies suited to addressing the complexity inherent in behavioral and social phenomena, referred to as systems science methodologies. Additionally, this FOA seeks to promote interdisciplinary collaboration among health researchers and experts in computational approaches to further the development of modeling- and simulation-based systems science methodologies and their application to important public health challenges. **PAR-15-048**

- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PAR-15-048.html*

Implications of New Digital Media Use for Underage Drinking, Drinking-Related Behaviors, and Prevention Research (R01)
National Institutes of Health (NIH) - National Institute on Alcohol Abuse and Alcoholism (NIAAA)
Due Date: 2/5/2016, 6/5/2016, 10/5/2016 (standard due dates apply)

This Funding Opportunity Announcement (FOA) encourages R01 research grant applications from institutions/organizations that propose to investigate whether, and how, heavy involvement in new digital media usage, particularly social media and social networking sites, may influence adolescent alcohol use and drinking patterns, as well as drinking-related problems. This FOA also encourages applications proposing to explore the ways in which new digital media may be utilized as platforms for preventive interventions aimed at underage drinking and related problems. **PA-13-262**

- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PA-13-262.html*

STUDENTS

HS-STEM Summer Internship Program
United States Department of Homeland Security (DHS)
Due Date: 12/16/2015

The U.S. Department of Homeland Security (DHS) sponsors a 10-week summer internship program for students majoring in homeland security related science, technology, engineering and mathematics (HS-STEM) Disciplines. The program provides students with quality research experiences at federal research facilities located across the country and allows students the opportunity to establish connections with DHS professionals. It is open to undergraduate students in a broad spectrum of HS-STEM Disciplines and DHS mission-relevant Research Areas. The ultimate goal of the program is to engage a diverse, educated and skilled pool of scientists and engineers in HS-STEM areas and to promote long-term relationships between students, researchers, DHS and research facilities to enhance the HS-STEM workforce. The DHS Education Program is managed by ORAU through the Oak Ridge Institute for Science and Education (ORISE) under an agreement between DHS and the U.S. Department of Energy (DOE). ORAU manages the application and review process, notification and implementation of the program.

The DHS Research Areas are as follows:
1. Advanced Data Analysis and Visualization
2. Biological Threats & Countermeasures
3. Border Security
4. Chemical Threats and Countermeasures
5. Communications and Interoperability
6. Community, Commerce and Infrastructure Resilience
7. Emergency Preparedness and Response
8. Explosives Detection, Mitigation, and Response
9. Food and Agriculture Security
10. Human Factors
11. Immigration Studies
12. Infrastructure Protection
13. Maritime and Port Security
14. Natural Disasters and Related Geophysical Studies
15. Nuclear and Radiological Threat Detection
16. Risk, Economics, and Decision Sciences
17. Social and Behavioral Sciences
18. Transportation Security

Internship benefits include:
- Direct exposure to and participation in research in the DHS mission-relevant Research Areas

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- Hands-on research experience and identification of career goals and opportunities through hosting site enrichment activities
- Development of professional networks with leading scientists and laboratories

- **URL:** *http://www.orau.gov/dhseducation/internships/index.html*

Posen Society of Fellows
Posen Foundation
Due Date: 1/15/2016

The Posen Foundation is pleased to announce the Posen Society of Fellows' third competition for an international cohort of emerging scholars whose work deals with modern Jewish history and culture. The Posen Foundation is now soliciting applications for the 2015-2017 class of Fellows. The Society will include six scholars who will convene each summer over two years to share work, discuss progress, and participate in professionalization workshops. Fellows will be expected to attend two annual gatherings, and to submit a report on their progress and adapt their work for a public audience. The Posen Foundation is particularly interested in projects that would speak to a wider public beyond the academy. Applications should include an explanation for how the dissertation addresses issues of relevance to such an audience. The Fellowship is international. The location of the seminars/workshops varies. In 2014 they were in Berkeley, CA, USA.

- **URL:** *http://www.posenfoundation.co.il/en/plan/the-posen-society-of-fellows/*