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Funding Bulletin
January 15th, 2016 (Vol. 3, No. 7)

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

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/

WORKSHOPS

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

WORKSHOP TITLE	DATE	TIME	ROOM	DESCRIPTION
Cayuse 101 Open Lab	Jan. 20	1:30-3:00 p.m.	405 Jardine	The Office of Research is holding an open lab for faculty and staff interested in submitting research proposal applications to the federal government through Cayuse. Cayuse is a system-to-system web application that allows WSU to submit proposals to over 98% of the opportunities posted on grants.gov. WSU's Office of Research subscribes to this valuable service, which checks grant applications for errors and allows researchers and the Office of Research staff to collaborate on the proposal application directly. If you are interested in a demonstration of this system, please plan to attend this open lab – ***This is a come and go lab and no registration is required.***
Pivot Open Lab	Jan. 28	2:30 – 4:00p.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.***
IRB Open Lab	Feb. 8	11:00 a.m. - 12:30 p.m.	405 Jardine	This lab is for faculty, staff and students who have questions about IRB forms or about their study in general. ***These are come-and-go labs with no registration required.***
Writing Proposals: Clear, Concise, Consistent (and Successful!) Proposals	Feb. 19	1:30-3:00 p.m.	266 Pike (RSC)	The Office of Research is again presenting its popular workshop on writing proposals. This workshop will provide grant writing tips and resources to utilize. Funders and their reviewers want proposals that are clear, concise and consistent. Come to this workshop to learn some hands-on approaches to improving your grant-writing skills. ***To register, go to myTraining channel in myWSU.***

Pivot Open Lab	Feb. 25	2:30 – 4:00p.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.***
IRB Open Lab	March 7	11:00 a.m. – 12:30 p.m.	405 Jardine	This lab is for faculty, staff and students who have questions about IRB forms or about their study in general. ***These are come-and-go labs with no registration required.***
Contracts and Agreements: Getting to a "Win-Win" Agreement	March 23	2:30-4:00 p.m.	405 Jardine	Did you know that the Office of Research is tasked with developing and negotiating agreements with external funders and others, and not just grants? This workshop will help you to identify when a contract or agreement might be required, how to obtain one, and to know more about terms and conditions that the University may or may not be able to accept. Subcontracts and agreements paid out of grant funds will also be discussed. ***To register, go to myTraining channel in myWSU.***
Pivot Open Lab	Mar. 24	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 four open limited submission competitions:

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(1) MCH Research Network on Promoting Healthy Weight (HW-RN) Among Children With Autism Spectrum Disorders (ASD) and Developmental Disabilities
United States Department of Health and Human Services (HHS) - Health Resources and Services Administration (HRSA)
Due Date: Internal 1/29/2016; Application 2/16/2016

This announcement solicits applications for the MCH Research Network on Promoting Healthy Weight (HW-RN) among Children with Autism Spectrum Disorder (ASD) and other Developmental Disabilities (DD) Program. The HRSA autism research programs support research that advances the evidence base regarding interventions and best practices to improve the health and well-being of children and adolescents with autism spectrum disorders (ASD) and other developmental disabilities. This cooperative agreement opportunity will establish and maintain an interdisciplinary, multi-site research forum for scientific collaboration and infrastructure building, which will provide national leadership in research that furthers scientific understanding of obesity risk factors and facilitates the development of interventions designed to improve the health and well-being of children with Autism Spectrum Disorder (ASD) and other Developmental Disabilities (DD). This research will help to advance the evidence base regarding best practices for the prevention and treatment of obesity in this high-risk group and improve Health Care Systems and Delivery, such as interdisciplinary team-based care and improve the health and wellbeing of children and youth with ASD and other DD. The HW-RN will use an interdisciplinary team that will lead and promote coordinated research activities related to promoting healthy weight among children and youth with ASD and other DD. The interdisciplinary team will be able to conduct multi-site intervention research, secondary data analyses, pilot and feasibility and/or acceptability studies of interventions, and study obesity risk factors and interventions to promote healthy weight among children and youth with ASD and other DD. **Multiple applications from an organization are not allowable. HRSA 16-044**

- **URL:** *http://www.grants.gov/web/grants/view-opportunity.html?oppId=280638*

(2) MCH Navigator Program
United States Department of Health and Human Services (HHS) - Health Resources and Services Administration (HRSA)
Due Date: Internal 1/29/2016; Application 2/12/2016

The MCH Navigator Program is designed to strengthen the knowledge, skills, and capacity of the MCH workforce through online continuing education tailored to meet the needs of emerging and practicing MCH professionals. This program supports HRSA Strategic Plan 2010-2015 goals to improve access to quality health care and services, strengthen the health workforce, and improve health equity. Federal, state, and local MCH agencies are tasked with improving the health of all U.S. women, children, and

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families. Accomplishing this requires resourceful and innovative leaders who can work across disciplines and across systems, particularly given the changes in our healthcare delivery system and today's environment of intractable health disparities. MCH professionals, including Title V Directors and staff, require access to continuous training in critical MCH topics and skills in order to most effectively implement Title V transformation and identified state workforce needs. The Maternal and Child Health Bureau (MCHB) is committed to advancing the knowledge and skills of practicing MCH professionals. Current barriers to continuing education include ever-tightening travel restrictions, capacity shortages, difficulty in taking time away from work, and the cost of training. Distance learning education methodologies can address these barriers by providing effective and efficient means by which MCH professionals can practice and advance their analytic, managerial, and clinical skills while continuing to meet their daily on-site responsibilities. **Multiple applications from an organization are not allowable. HRSA 16-043**

- **URL:** *http://www.grants.gov/web/grants/view-opportunity.html?oppId=280512*

(3) Macy Faculty Scholars Program
Macy Jr. Foundation, Josiah
Due Date: Internal 2/1/2016; Application 2/17/2016

The program aims to accelerate needed reforms in health professions education to accommodate the dramatic changes occurring in medical practice and health care delivery. Scholars must be nominated by the Dean of their institutions, who must commit to protecting at least 50 percent of the Scholars' time to pursue education reform projects at their institution. The Foundation will support educational change in each Scholar's institution and develop a national network for the Scholars, who will receive career advice from a National Advisory Committee and participate in an Annual Meeting for the program.**Each school may nominate only one candidate each year. If a university has both a medical school and nursing school, one candidate may be nominated from each school.**

- **URL:** *http://macyfoundation.org/macy-scholars*

(4) NEA Challenge America
National Endowment for the Arts (NEA)
Due Date: Internal 3/4/2016; Application Step 1: 4/14/2016; Step 2: 5/5/2016

The Challenge America category offers support primarily to small and mid-sized organizations for projects that extend the reach of the arts to underserved populations -- those whose opportunities to experience the arts are limited by geography, ethnicity, economics, or disability. Age alone (e.g., youth, seniors) does not qualify a group as underserved; at least one of the underserved characteristics noted

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above also must be present. Grants are available for professional arts programming and for projects that emphasize the potential of the arts in community development. This category encourages and supports the following objective: **Engagement: Engaging the public with diverse and excellent art.** Partnerships can be valuable to the success of these projects. While not required, applicants are encouraged to consider partnerships among organizations, both in and outside of the arts, as appropriate to their project. **An organization may submit only one application.**

- **URL:** https://www.arts.gov/grants-organizations/challenge-america/grant-program-description

INTERNAL OPPORTUNTIES

Award for Research/Creative Projects (ARC)
Wichita State University
Due Date: 2/5/2016

Award for Research/Creative projects provide salary/fringes of $3,000* for 2 months, plus $1,000 for other operating expenses (total of $4,000) to enable faculty to pursue research or creative projects during the summer.

Flossie E. West Foundation Award
Wichita State University
Due Date: 3/4/2016

The Flossie E. West Memorial Foundation provides support for research relating to the study and cure of cancer. Multiple grants may be awarded for up to approximately $25,000 dependent on foundation funds. Awards are intended as seed money to develop pilot data for proposals to be submitted to governmental agencies, foundations, or industries. Funds are restricted to WSU faculty project expenses.

For more information on the ARC and Flossie West opportunities, visit

http://webs.wichita.edu/?u=wsuresearchadmin&p=/ORAInternalGrants/ORAInternalGrants/

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GENERAL

Black Hills Community Giving
Black Hills Corporation
Due Date: 3/1/2016, 6/1/2016, 9/1/2016, 11/1/2016

The Black Hills Corporation's Community Giving program provides support in the areas of:

- Arts and culture
- Civic and community development
- Education
- Environment
- Human services
- Youth development

Successful applicants will be:

- A 501(c)3 organization, a city government or an accredited school or university.
- Located in a community served by one of our utilities.

- **URL:** *http://www.blackhillscorp.com/community/community-giving*

Science of Learning: Collaborative Networks (SL-CN)
National Science Foundation (NSF)
Due Date: Letters of Intent 3/1/2016; Full Proposals 4/4/2016

The goals of the Science of Learning (SL) Program are to: advance fundamental knowledge about learning through integrative research; connect the research to specific scientific, technological, educational, and workforce challenges; and enable research communities to capitalize on new opportunities and discoveries. The program supports projects that emphasize consilience of knowledge, adopting diverse disciplinary approaches to shared research questions. The program seeks to develop robust and integrated accounts of contexts, mechanisms, and effective strategies of learning. This solicitation invites proposals for the creation of new research networks to address important integrative questions in the science of learning. Each network must identify an integrative research goal involving convergence of evidence from the diverse disciplinary approaches represented by participants in the network. The proposed research must substantially advance understanding of learning in more than a single discipline. Networks may focus on advancing basic research through experiments and theory, as well as translating findings from basic research on learning to applications in order to benefit society and further inform fundamental theories of

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learning. This solicitation is for proposals that do not fit into existing NSF programs, by virtue of the emphasis on interdisciplinarity in service of knowledge consilience and integration. **NSF 16-528**

Each network is expected to engage in both of the following activities:

- Partnership-building activities among the network participants to optimize scientific exchange for the co-design and execution of network goals; and
- Collaborative, integrative research to be conducted by the network participants. Integrative research must address questions of genuine significance across multiple disciplines, or multiples levels of analysis.

- **URL:***http://www.nsf.gov/pubs/2016/nsf16528/nsf16528.htm?WT.mc_id=USNSF_25&WT.mc_ev=click*

2015 Grant Cycle
RGK Foundation
Due Date: Letters of Inquiry continually accepted and reviewed quarterly (next review date: 3/6/16)

The RGK Foundation in Austin, Texas, is inviting grant proposals in the broad areas of education, community, and health and medicine. The foundation's primary education interests include programs that focus on formal K-12 education (particularly math, science, and reading), teacher development, literacy, and higher education. Within its community area, the foundation supports a broad range of human services, community improvement activities, abuse prevention, and youth development programs. In the area of health and medicine, the foundation's current interests include programs that promote the health and well-being of children and access to health service. While grants occasionally support operating expenses, capital campaigns, endowments, and international projects, such grants are infrequent and are usually initiated by the foundation. Multiyear grants are also rare, with most grants awarded for a one-year period. Grants are made only to nonprofit organizations certified as tax exempt under Sections 501(c)(3) or 170(c) of the Internal Revenue Code and classified as "not a private foundation" under Section 509(a). Hospitals, educational institutions, and governmental institutions meeting these requirements are eligible to apply. **Letters of Inquiry are accepted all year long and are reviewed on a rolling basis (March 6, June 12, and September 16).** See the RGK Foundation Web site for complete program guidelines and application instructions.

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

21st Century Science Initiative - Studying Complex Systems Program: Scholar Award in Complex Systems (Scholar-CS)
McDonnell Foundation, James S. (JSMF)
Due Date: 3/18/2016

Scholar Awards in Complex System Science provide largely unrestricted funding to allow investigators to pursue and develop new directions to their research programs. The JSMF Scholar Awards program derives from and is consistent with JSMF's commitment to supporting high quality research and scholarship leading to the generation of new knowledge and its responsible application. For Scholar Awards, the program's emphasis is furthering the science of complex systems via the continued development of the theory and tools used in the study of complex research questions and not on particular fields of research per se. JSMF is particularly interested in projects attempting to apply complex systems approaches to coherently articulated questions. JSMF believes that private philanthropic support for science is most effective when it invests in the acquisition of new knowledge and in the responsible application of knowledge for solving the real world problems. Applicants are encouraged to keep this in mind when preparing proposals.

-   **URL:** *https://www.jsmf.org/apply/scholar-cs/*

Innovations at the Nexus of Food, Energy and Water Systems
National Science Foundation (NSF)
Due Date: 3/22/2016

Humanity is reliant upon the physical resources and natural systems of the Earth for the provision of food, energy, and water. It is becoming imperative that humanity determines how society can best integrate across the natural and built environments to provide for a growing demand for food, water and energy while maintaining appropriate ecosystem services. Factors contributing to stresses in the food, energy, and water (FEW) systems include increasing regional and social pressures and governance issues as result of land use change, climate variability, and heterogeneous resource distribution. These interconnections and interdependencies associated with the food, energy and water nexus create research grand challenges in understanding how the complex, coupled processes of society and the environment function now, and in the future. There is a critical need for research that enables new means of adapting to future challenges. The FEW systems must be defined broadly, incorporating physical processes (such as built infrastructure and new technologies for more efficient resource utilization), natural processes (such as biogeochemical and hydrologic cycles), biological processes (such as agroecosystem structure and productivity), social/behavioral processes (such as decision making and governance), and cyber elements. Investigations of these complex systems may produce discoveries that cannot emerge from research on food or energy or water systems alone. The overarching goal of INFEWS is to catalyze the well-integrated interdisciplinary research efforts to

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transform scientific understanding of the FEW nexus in order to improve system function and management, address system stress, increase resilience, and ensure sustainability.

The NSF INFEWS initiative is designed specifically to attain the following goals:
1. Significantly advance the understanding of the food-energy-water system through quantitative and computational modeling, including support for relevant cyberinfrastructure;
2. Develop real-time, cyber-enabled interfaces that improve understanding of the behavior of FEW systems and increase decision support capability;
3. Enable research that will lead to innovative system and technological solutions to critical FEW problems; and
4. Grow the scientific workforce capable of studying and managing the FEW system, through education and other professional development opportunities.

This activity enables interagency cooperation on one of the most pressing problems of the millennium - understanding interactions across the food, energy and water nexus - how it is likely to affect the world, and how humanity can proactively plan for its consequences. It allows the partner agencies - National Science Foundation (NSF) and the United States Department of Agriculture National Institute of Food and Agriculture (USDA/NIFA) and others - to combine resources to identify and fund the most meritorious and highest-impact projects that support their respective missions, while eliminating duplication of effort and fostering collaboration between agencies and the investigators they support. **NSF 16-524**

- **URL:** *http://www.nsf.gov/pubs/2016/nsf16524/nsf16524.htm*

ARTS & HUMANITIES

Academic Program Grants
Terra Foundation for American Art (TFAA)
Due Date: Fall 2016 Awards: Letters of Inquiry 3/1/2016; Summer 2017 Awards: Letters of Inquiry 12/9/2016

The Foundation actively supports projects that encourage international scholarship on American art topics, as well as scholarly projects with focused theses that explore American art in an international context. Academic funding is available for symposia, colloquia, and scholarly convenings on American art (pre-1980) that take place:
- In Chicago or outside the United States, or

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- In the United States that examine American art within an international context and/or include a significant number of international participants.

These programs are intended for scholarly audiences.

- **URL:** *http://www.terraamericanart.org/what-we-offer/grant-fellowship-opportunities/academic-program-grants/*

Creative Placemaking Competition
ArtPlace America
Due Date: 3/2/2016

ArtPlace America is now accepting applications for its $10.5 million National Creative Placemaking competition to fund community development projects that involve the arts. If you are thinking about a project that:
- Focuses on a neighborhood or other geographic community
- Is looking to work on a community challenge related to agriculture/food; economic development; education/youth; environment/energy; health; housing, immigration; public safety; transportation; or workforce development
- Has a way that artists, arts organizations, and/or arts activities can help address that challenge
- Will have a way of knowing whether the project has made progress on the challenge

then you should submit an application.

- **URL:**   *http://www.artplaceamerica.org/blog/national-creative-placemaking-fund-accepting-project-proposals*

NEA Art Works Creativity Connects Projects
National Endowment for the Arts (NEA)
Due Date: Step 1 3/3/2016; Step 2 3/24/2016

Creativity Connects is an initiative that will show how the arts are central to the country's creativity ecosystem, investigate how support systems for the arts have changed, explore how the arts connect with other industries, and invest in innovative projects to spark new ideas for the arts field. A key component to the Creativity Connects initiative is a pilot grant opportunity in the Art Works category to support partnerships between arts organizations and organizations from non-arts sectors that include, but are not limited to, business, education, environment, faith, finance, food, health, law,

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science, and technology. Art Works: Creativity Connects grants will seek to benefit the arts and non-arts sectors by:
- Demonstrating the value of working with the arts.
- Supporting the infrastructure for the arts to work in new ways with new sectors.
- Building bridges that create new relationships and constituencies.
 Creating innovative partnership projects to advance common goals.

- **URL:** *https://www.arts.gov/grants-organizations/art-works/creativity-connects-projects*

NEA Literature (Poetry) Fellowships
National Endowment for the Arts (NEA)
Due Date: 3/9/2016

The National Endowment for the Arts' Literature Fellowships program offers grants in poetry to published creative writers that enable recipients to set aside time for writing, research, travel, and general career advancement. Applications are reviewed through an anonymous process in which the only criteria for review are artistic excellence and artistic merit.

- **URL:** *https://www.arts.gov/grants-individuals/creative-writing-fellowships/grant-program-description*

Digital Resources Grants Program
Kress Foundation, Samuel H.
Due Date: 4/1/2016

The Digital Resources program is intended to foster new forms of research and collaboration as well as new approaches to teaching and learning. The program supports efforts to integrate new technologies into the practice of art history and the creation of important online resources in art history, including both textual and visual resources. Support will also be offered for the digitization of important visual resources (especially art history photographic archives) in the area of pre-modern European art history; of primary textual sources (especially the literary and documentary sources of European art history); for promising initiatives in online publishing; and for innovative experiments in the field of digital art history. Please note that this grant program does not typically support the digitization of museum object collections.

- **URL:** *http://www.kressfoundation.org/grants/digital_resources/*

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Fellowship in Aerospace History
American Historical Association (AHA)
Due Date: 4/1/2016

The National Aeronautics Space Administration (NASA) and the AHA offer this fellowship annually to support a significant scholarly research project in aerospace history. The fellowship will provide a fellow with an opportunity to engage in significant and sustained advanced research in all aspects of the history of aerospace from the earliest human interest in flight to the present, including cultural and intellectual history, economic history, history of law and public policy, and the history of science, engineering, and management. The fellow will be expected to devote the term entirely to the proposed research project. Office space is not provided with the fellowship and residency is not required; however, fellows are encouraged to take advantage of resources at the National Archives, the National Academies of Science, the Library of Congress, the Smithsonian Air and Space Museum, NASA Headquarters, and other collections in the Washington, DC, area. At the term's conclusion, the fellow will be expected to write a report and to present a paper or a public lecture on the fellowship experience.

- **URL:** http://www.historians.org/awards-and-grants/grants-and-fellowships/fellowship-in-aerospace-history

Residency Program
MacDowell Colony, Inc.
Due Date: Fall: 4/15/2016, Winter: 9/15/2016

The MacDowell Colony is the nation's leading artist colony. The Colony nurtures the arts by offering creative individuals of the highest talent an inspiring environment in which they can produce enduring works of the imagination. The MacDowell Colony provides time, space, and an inspiring environment to artists of exceptional talent. Each year, fellowships or residencies are awarded to artists in seven disciplines (architecture, music composition, film and video, interdisciplinary art, theatre, visual art, and literature). The Colony does not offer classes or instruction.

- **URL:** http://www.macdowellcolony.org/apply.html

BUSINESS

FINRA Investor Education Foundation General Grant Program
FINRA Investor Education Foundation
Due Date: Continuous

Through its grant program, the FINRA Investor Education Foundation funds research and educational projects that support its mission of providing underserved Americans with the knowledge, skills, and tools necessary for financial success throughout life. The foundation seeks to fund projects that advance its mission through:

1. Educational projects or programs. Funding is for programs that respond to an unmet investor education or protection need for a target audience.

2. Research. Funding is for research that expands the body of knowledge and offers solutions in the field of investor education and protection.

3. Combination of research and educational program. Funding is for initiatives that lead with a research element and follow with a high-impact investor education or investor protection project based upon the results of the research.

- **URL:** *http://www.finrafoundation.org/grants/general/*

EDUCATION

Dear Colleague Letter: Leveraging GLOBE to Increase Student Engagement and Diversity
National Science Foundation
Due Date: See announcement link

- **URL:**
  http://www.nsf.gov/pubs/2016/nsf16031/nsf16031.jsp?WT.mc_id=USNSF_25&WT.mc_ev=click

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Talent Search Program
United States Department of Education (ED)
Due Date: 2/5/2016

The purpose of the Talent Search Program is to identify qualified individuals from disadvantaged backgrounds with potential for education at the postsecondary level and encourage them to complete secondary school and undertake postsecondary education. Talent Search projects publicize the availability of, and facilitate the application for, student financial assistance for persons who seek to pursue postsecondary education, and encourage persons who have not completed programs at the secondary or postsecondary level to enter or reenter and complete these programs. **ED-GRANTS-122215-001**

- **URL:** *http://www.grants.gov/web/grants/view-opportunity.html?oppId=280664*

OSERS-OSEP: Educational Technology, Media, and Materials for Individuals with Disabilities: Captioned and Described Educational Media
U.S. Department of Education (ED) – Office of Special Education and Rehabilitative Services (OSERS)
Due Date: 2/22/2016

The purposes of the Educational Technology, Media, and Materials for Individuals with Disabilities Program are to:
 (1) Improve results for students with disabilities by promoting the development, demonstration, and use of technology;
(2) support educational activities designed to be of educational value in the classroom for students with disabilities;
(3) provide support for captioning and video description that is appropriate for use in the classroom; and (4) provide accessible educational materials to students with disabilities in a timely manner.

ED-GRANTS-122415-001 (CFDA Number 84.327N)

- **URL:** *http://www.grants.gov/web/grants/view-opportunity.html?oppId=280702*

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ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

Buildings Energy Efficiency Frontiers & Innovation Technologies (BENEFIT) - 2016
United States Department of Energy (DOE)
Due Date: Concept papers 2/5/2016; Applications 4/19/2016 (Informational Webinar 3/17/2016)

This FOA combines early-stage topics (Innovations) with later-stage, roadmap-driven topics (Frontiers) that complement the core funding provided by the program. Because of their different focuses (Innovations: early-stage; Frontier: later-stage, roadmap-driven), this FOA is divided into two sections; an Innovations and a Frontiers section with an additional optional Buildings University Innovators and Leaders Development (BUILD) supplement. **DE-FOA-0001383**

Below is a summary of the 5 topic areas and optional BUILD supplements:
INNOVATIONS section:
Topic 1: Open Topic for Energy Efficiency Solutions for Residential and Commercial Buildings
The Building Technologies Office (BTO) seeks to develop technologies, techniques, and tools for making buildings more energy efficient. Currently supported technologies include heating, ventilating, and air conditioning (HVAC), water heating, lighting, building envelope (including windows), and sensors and controls, as well as building energy modeling.

Topic 2: Human-in-the-Loop Sensor & Control Systems
BTO seeks to develop novel hardware and software solutions for real-time occupant-centered control of the HVAC, lighting, and/or plug load end uses, which represent 13.5, 4.4, and 2.4 quads of primary building energy use, respectively.[2] The primary goal of this subtopic is to move building control schemes beyond the typically over-simplified representation of occupant comfort and actions (e.g., static group-level occupancy schedules and comfort proxies)[3] to enable real-time feedback on individual-level occupant presence and/or comfort via a local sensing infrastructure. Such occupant-centered control schemes can save energy by reducing unneeded space conditioning and lighting during unoccupied periods and by avoiding overly conservative operational settings when occupants are present in the space.

Topic 3: Infiltration Diagnostic Technologies
BTO seeks applications to develop novel infiltration diagnostic technologies that can be used to identify the location and quantify the extent of infiltration/exfiltration through the building envelope, which represented 4% of total U.S. primary energy use in 2010.[4] Of particular interest are technologies that reduce variability in test results, reduce the complexity and effort required to test medium and large commercial buildings, do not disrupt building occupants during testing, and/or enable evaluation of façades under construction for air sealing quality assurance. Novel infiltration diagnostic technologies

are a key enabler of advanced air-sealing products that address the energy savings opportunity associated with infiltration. Approaches using either or both direct measurement of air infiltration and indirect measurement (i.e., virtual sensing) using building sensor systems are of interest.

FRONTIERS section:

Topic 4: Plug and Play Sensor Systems

The objective of this topic is to improve the power performance, self-calibration and automatic recognition of sensor nodes in building applications with the goal of enabling true plug-and-play solutions at <$10/node that optimally interface with building management systems (BMS) and control schemes. Through innovations in both sensing hardware and open-source software, these solutions will accelerate sensor deployment and improve data collection capabilities for building operation, including HVAC, lighting, windows/window attachments, plug loads, and occupancy, that can be utilized in both existing and new controls systems. As an enabling technology within buildings, advancements in sensor and controls strategies can improve the efficiency of other buildings technologies, i.e. heating, ventilating, and air conditioning (HVAC), water heating, lighting, and windows/window attachments. Energy savings of up to 30% are estimated in buildings through improvements in climate, air quality, and occupancy sensors.

Topic 5: Advanced Air-Sealing Technologies for Existing Buildings

BTO seeks applications for the development of advanced, cost-effective air-sealing technologies designed specifically for use in existing buildings, which comprise more than 98% of the current building stock. When integrated into the envelope, air-sealing technologies act as a barrier to infiltration or exfiltration of air and other flows. A next-generation air-sealing methodology will require new thought processes on how heat, air, and moisture flow are interrelated and how to best regulate them in order to improve overall building-level system performance, as opposed to a more traditional strategy that focuses on component improvements. Most importantly, to be suitable and cost-effective for existing buildings, these technologies should minimize envelope disassembly and installation complexity, and thus occupant disruption. Current air-sealing systems capable of controlling heat, air and moisture, for both residential and commercial buildings, are complicated and costly because three separate technologies, and often separate trades, are needed. One integrated technology system, allowing vertical integration of trades and installation steps would reduce the costs associated with high performance air sealing technologies. Existing systems also have inadequate quality control and verification of completeness during application, which reduces the efficacy of the sealing technology and leads to lower realized energy savings.

- **URL:** *https://eere-exchange.energy.gov/#FoaIdba0b5855-db5a-4b2b-8e13-bf48254c4624*

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Precision Measurement Grant Program (PMGP)
United States Department of Commerce (DOC) - National Institute of Standards and Technology (NIST)
Due Date: Pre-Application 2/2/2016; Application 5/3/2016

Since 1970, NIST, as part of its research program, has provided funding under the Precision Measurement Grant Program (PMGP) primarily to universities and colleges so that faculty may conduct significant research in the field of fundamental measurement or the determination of fundamental constants. NIST sponsors these research projects primarily to encourage basic, measurement-related research in universities and colleges and other research laboratories and to foster contacts between NIST scientists and those faculty members of academic institutions and other researchers who are actively engaged in such work. The PMGP also is intended to make it possible for researchers to pursue new ideas for which other sources of support may be difficult to find. There is some latitude in research topics that will be considered under the PMGP. The key requirement is that the proposed project is consistent with NIST's ongoing work in the field of basic measurement science. **2016-NIST-PMGP-01**

-   **URL:** *http://www.nist.gov/pml/div684/fcdc/pmg.cfm*

Hollings Manufacturing Extension Partnership (MEP) State Partnership Support Project
Department of Commerce (DoC) - National Institute of Standards and Technology (NIST)
Due Date: 2/29/2016

NIST invites proposals from eligible organizations to provide in-depth collaborative support in developing and advancing stakeholder relationships that are critical to the success of the MEP program, based on the recipient's expertise and knowledge of State manufacturing and technology agendas. NIST MEP is a federal-state-industry partnership program. The MEP system of Centers and field offices throughout the U.S. provides a mechanism to integrate federal and state public policy goals, respond to market forces and address the needs of manufacturing sectors and of individual manufacturers. To make the most of this partnership, NIST MEP strives to balance the priorities of U.S. national policy with those of state partners to create a robust and effective program providing U.S. manufacturers with the tools they need to grow and remain globally competitive. Applicants must be a U.S.-based for-profit or not-for-profit institution or organization. An eligible organization may work individually or may include proposed subawards to eligible organizations or proposed contracts with any other organization as part of the applicant's proposal, effectively forming a team. **2016-NIST-MEP-STATE-PARTNERSHIP-01**

-   **URL:** *http://nist.gov/mep/upload/MEP-State-Relations-Partnership-Project-FFO-FINAL-12-15-15.pdf*

National Robotics Initiative (NRI)
National Science Foundation (NSF)
Due Date: 3/7/2016, 1/12/2017

The goal of the National Robotics Initiative is to accelerate the development and use of robots in the United States that work beside or cooperatively with people. Innovative robotics research and applications emphasizing the realization of such co-robots working in symbiotic relationships with human partners is supported by multiple agencies of the federal government including the National Science Foundation (NSF), the National Aeronautics and Space Administration (NASA), the National Institutes of Health (NIH), the U.S. Department of Agriculture (USDA), the U.S. Department of Energy (DOE), and the U.S. Department of Defense (DOD). The purpose of this program is to support the development of this next generation of robotics, to advance the capability and usability of such systems and artifacts, and to encourage existing and new communities to focus on innovative application areas. It will address the entire lifecycle from fundamental research and development to manufacturing and deployment. Questions concerning a particular project's focus, direction and relevance to a participating funding organization should be addressed to that agency's point of contact listed in section VIII of this solicitation. Methods for the establishment and infusion of robotics in educational curricula and research to gain a better understanding of the long-term social, behavioral and economic implications of co-robots across all areas of human activity are important parts of this initiative. Collaboration between academic, industry, non-profit and other organizations is strongly encouraged to establish better linkages between fundamental science and technology development, deployment and use. **NSF 16-517**

- **URL:***http://www.nsf.gov/pubs/2016/nsf16517/nsf16517.htm?WT.mc_id=USNSF_25&WT.mc_ev=click*

NSF/CASIS Collaboration on Fluid Dynamics Research on the International Space Station to Benefit Life on Earth
National Science Foundation (NSF)
Due Date: 3/7/2016

The Division of Chemical, Bioengineering and Environmental Transport (CBET) in the Engineering Directorate of the National Science Foundation (NSF) is partnering with The Center for the Advancement of Science in Space (CASIS) to solicit research projects in the general field of fluid dynamics that can utilize the International Space Station (ISS) National Lab to conduct research that will benefit life on Earth. U.S. entities including academic investigators, non-profit independent research labs and academic-commercial teams are eligible to apply. **NSF 16-518**

- **URL:***http://www.nsf.gov/pubs/2016/nsf16518/nsf16518.htm?WT.mc_id=USNSF_25&WT.mc_ev=click*

MacroSystems Biology and Early NEON Science
National Science Foundation (NSF)
Due Date: 3/15/2016, 10/17/2016

The MacroSystems Biology and Early NEON Science: Research on Biological Systems at Regional to Continental Scales program will support quantitative, interdisciplinary, systems-oriented research on biosphere processes and their complex interactions with climate, land use, and invasive species at regional to continental scales as well as planning, training, and development activities to enable groups to conduct MacroSystems Biology and Early NEON Science research. **NSF 16-521**

- **URL:** *http://www.nsf.gov/pubs/2016/nsf16521/nsf16521.htm*

International Research Network Connections (IRNC)
National Science Foundation (NSF)
Due Date: 3/17/2016

The International Research Network Connections (IRNC) program supports high-performance network connectivity required by international science and engineering research and education collaborations involving the NSF research community. NSF expects to make 1-2 awards to link U.S. research networks with peer networks in Europe and Africa and leverage existing international network connectivity. High-performance network connections funded by this program are intended to support science and engineering research and education applications, and preference will be given to solutions that provide the best economy of scale and demonstrate the ability to support the largest communities of interest with the broadest services. Funded projects will assist the U.S. research and education community by enabling state-of-the-art international network services and access to increased collaboration and data services. Through extended international network connections, additional research and production network services will be enabled, complementing those currently offered or planned by domestic research networks. **NSF 16-523**

- **URL:** *http://www.nsf.gov/pubs/2016/nsf16523/nsf16523.htm?WT.mc_id=USNSF_25&WT.mc_ev=click*

Energy-Efficient Computing: from Devices to Architectures
National Science Foundation (NSF)
Due Date: 3/28/2016

There is a consensus across the many industries touched by our ubiquitous computing infrastructure that future performance improvements across the board are now severely limited by the amount of energy it takes to manipulate, store, and critically, transport data. While the limits and tradeoffs for this performance-energy crisis vary across the full range of application platforms, they have all reached a point at which evolutionary approaches to addressing this challenge are no longer adequate. Truly disruptive breakthroughs are now required, and not just from any one segment of the technology stack. Rather, due to the complexity of the challenges, revolutionary new approaches are needed at each level in the hierarchy. Furthermore, simultaneous co-optimization across all levels is essential for the creation of new, sustainable computing platforms. These simultaneous technical and organizational challenges have never been as complex or as critically important as they are now. The urgency of solving the multi-disciplinary technical challenges will require new methods of collaboration and organization among researchers. Therefore, a comprehensive and collaborative approach must be undertaken to maximize the potential for successfully identifying and implementing revolutionary solutions to break through the bottleneck of energy-constrained computational performance. Programmers, system architects, circuit designers, chip processing engineers, material scientists, and computational chemists must all explore these new paths together to co-design an optimal solution path. The National Science Foundation (NSF) and the Semiconductor Research Corporation (SRC) recognize this need, and agree to embark on a new collaborative research program to support compelling research that is of paramount importance to industry, academia and society at large. This partnership will specifically support new research to minimize the energy impacts of processing, storing, and moving data within future computing systems, and will be synergistic with other research activities that address other aspects of this overarching energy-constrained computing performance challenge. The jointly supported research effort aligns with interagency initiatives and priorities, including the National Strategic Computing Initiative and the nanotechnology-inspired Grand Challenge for Future Computing. **NSF 16-526**

- **URL:** *http://www.nsf.gov/pubs/2016/nsf16526/nsf16526.htm*

STEM + Computing Partnerships (STEM+C)
National Science Foundation (NSF)
Due Date: 3/28/2016

The STEM + Computing Partnerships (STEM+C) program seeks to advance a 21st century conceptualization of education in science, technology, engineering and mathematics (STEM) that includes computing, both as a STEM discipline in its own right consistent with the STEM Education Act of 2015, which explicitly includes computing as a STEM discipline for purposes of federal programs [1]

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and as a discipline integral to the practice of all other STEM disciplines. In this solicitation, computing, which "builds on the power and limits of computing processes, whether they are executed by a human or by a machine" [2], refers broadly to the fundamental concepts and skills of computational thinking that will allow students to conceptualize problems and represent them in ways that can be carried out by a computer. Computational thinking "involves solving problems, designing systems, and understanding human behavior" (Wing, 2006, p.33). Computational competencies will allow students to apply and adapt computation to solving critical problems across many disciplines and domains, and "bend digital technology to one's needs, purposes, and will." The solicitation broadens the definition of "computer science" to include computational science, data science, human computer interfaces, and cybersecurity. **NSF 16-527**

- **URL:** *http://www.nsf.gov/pubs/2016/nsf16527/nsf16527.htm*

Petascale Computing Resource Allocations (PRAC)
National Science Foundation (NSF)
Due Date: 4/4/2016, 11/9/2016

In 2013, a new NSF-funded petascale computing system, Blue Waters, was deployed at the University of Illinois. The goal of this project and system is to open up new possibilities in science and engineering by providing computational capability that makes it possible for investigators to tackle much larger and more complex research challenges across a wide spectrum of domains. The purpose of this solicitation is to invite research groups to submit requests for allocations of resources on the Blue Waters system. Proposers must show a compelling science or engineering challenge that will require petascale computing resources. Proposers must also be prepared to demonstrate that they have a science or engineering research problem that requires and can effectively exploit the petascale computing capabilities offered by Blue Waters. **Proposals from or including junior researchers are encouraged, as one of the goals of this solicitation is to build a community capable of using petascale computing. NSF 16-529**

- **URL:** *http://www.nsf.gov/pubs/2016/nsf16529/nsf16529.htm*

HEALTH, LIFE & EARTH SCIENCES

Secondary Data Analysis of Evidence-Based Teen Pregnancy Prevention (TPP) Programs
United States Department of Health and Human Services (HHS)
Due Date: Letters of Intent 2/1/2016; Applications 4/8/2016

This purpose of this FOA is to solicit applications for projects that will contribute to the evidence base by enhancing our understanding of interventions identified as effective by the HHS Pregnancy Prevention Evidence Review in reducing rates of teen pregnancy and existing disparities. With this FOA, OAH is interested in analyses of existing rigorous evaluation data, including new or advanced methods of analyses, or novel combination and integration of datasets to allow the exploration of new questions in the area of teen pregnancy prevention. This effort will build upon and expand OAH's program evaluation efforts from fiscal years FY 2010 to FY 2014 to identify programs with demonstrated effectiveness in reducing teen pregnancies and existing disparities. **AH-TPE-16-001**

- **URL:** *http://www.grants.gov/view-opportunity.html?oppId=280741*

Genealogy of Life (GoLife)
National Science Foundation (NSF)
Due Date: 3/23/2016

Comprehensive understanding of life and how and why it changes over time depends on knowledge of the phylogeny (evolutionary relationships) of living and extinct organisms. The goals of the Genealogy of Life (GoLife) program are to resolve the phylogenetic history of all life's diverse forms and to integrate this genealogical architecture with underlying organismal and environmental data. The ultimate vision of this program is an open access, comprehensive Genealogy of Life that will provide the comparative framework necessary for testing questions in systematics, evolutionary biology, ecology, and other fields. Strategic integration of this genealogy of life with data layers from genomic, phenotypic, spatial, ecological and temporal data will produce an extensive synthesis of biodiversity and evolutionary sciences. The resulting knowledge infrastructure will enable synthetic research on biological dynamics throughout the history of life on Earth, within current ecosystems, and for predictive modeling of the future evolution of life. Projects submitted to this program should emphasize increased efficiency in contributing to a complete Genealogy of Life and strategic integration of various types of organismal and environmental data with phylogenies. This program also seeks to broadly train next generation, integrative phylogenetic biologists, creating the human resource infrastructure and workforce needed to tackle emerging research questions in comparative biology. Projects should train students for diverse careers by exposing them to the multidisciplinary areas of research within the proposal. **NSF 16-522**

- **URL:** *http://www.nsf.gov/pubs/2016/nsf16522/nsf16522.htm*

RFA: The Role of Health Policy and Health Insurance in Improving Access to and Performance of Cancer Prevention, Early Detection, and Treatment Services
American Cancer Society (ACS)
Due Date: 4/1/2016

Research to be funded by this RFA should focus on the changes in national, state, and/or local policy and the response to these changes by healthcare systems, insurers, payers, communities, practices, and patients.
The RFA is interested in supporting rapid learning research to study the effects of health policy changes on patients, providers, and health systems. This includes but is not limited to:
- Facilitators and barriers to care;
- Unintended consequences;
- Differential experiences and outcomes of patients seeking or receiving care;
- Best practice models for quality care; and,
- Economic Impact

- **URL:** *http://www.cancer.org/research/applyforaresearchgrant/granttypes/rfa-role-healthcare-insurance-cancer*

Research Grants
Whitehall Foundation, Inc.
Due Date: Fall Session: Letter of Intent 4/15/2016; Application 9/1/2016

Research grants are available to established scientists of all ages working at accredited institutions in the United States. Applications will be judged on the scientific merit and the innovative aspects of the proposal as well as on the competence of the applicant. The Whitehall Foundation, through its program of grants and grants-in-aid, assists scholarly research in the life sciences. It is the foundation's policy to assist those dynamic areas of basic biological research that are not heavily supported by Federal Agencies or other foundations with specialized missions. The foundation is currently interested in basic research in neurobiology, defined as follows: Invertebrate and vertebrate (excluding clinical) neurobiology, specifically investigations of neural mechanisms involved in sensory, motor, and other complex functions of the whole organism as these relate to behavior. The overall goal should be to better understand behavioral output or brain mechanisms of behavior. The foundation does not support research focused primarily on disease(s) unless it will also provide insights into normal functioning.

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

Small Grants for New Investigators to Promote Diversity in Health-Related Research (R21)
National Institutes of Health (NIH)
Due Date: 6/16/2016, 10/16/2016 (Letter of Intent due 30 days prior to application due date) (standard due dates apply)

The purpose of this funding opportunity announcement (FOA) is to provide support for New Investigators from backgrounds nationally underrepresented in biomedical research to conduct small research projects in the scientific mission areas of the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Institute of Mental Health (NIMH) and the Office of Dietary Supplements (ODS). The scientific mission areas of the Institutes and Office are: NIDDK -diabetes, endocrinology, metabolism, digestive diseases, hepatology, obesity, nutrition, kidney, urology, or hematology; NIMH - factors contributing to mental disorders, the trajectories of mental disorders, pre-emption and treatment of mental disorders, identify and improve interventions for mental illness; and ODS - all types of research in which the primary emphasis is the investigation of dietary supplements and/or their ingredients. The NIDDK, NIMH and ODS recognize the need to promote diversity in the health-related research workforce by increasing the pool of highly trained researchers from diverse backgrounds conducting research in areas of importance to these Institutes and Office. The R03 grant mechanism 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. The R03 is intended to support small research projects that can be carried out in a short period of time with limited resources with the ultimate goal of providing the preliminary data for a R01-equivalent application. **PAR-16-064**

- **URL:** *http://grants.nih.gov/grants/guide/pa-files/PAR-16-064.html*

Simons Foundation Autism Research Initiative (SFARI) Explorer Awards
Simons Foundation
Due Date: Continuous

The Simons Foundation Autism Research Initiative (SFARI) seeks to improve the diagnosis and treatment of autism spectrum disorders by funding innovative research of the greatest quality and relevance. This award program is designed to enhance SFARI's existing support of autism research by providing timely resources to enable focused experiments highly relevant to the initiative's mission. A deeper understanding of the mechanisms underlying autism spectrum disorders or potential therapeutic approaches will require investigation at multiple levels, including but not limited to studies focused on gene discovery, molecular mechanisms, circuits, anatomy, and cognition and behavior. SFARI will consider proposals at all of these levels. Awards are intended to provide resources to support exploratory experiments that will strengthen hypotheses and lead to the formulation of competitive applications for subsequent larger-scale funding by SFARI or other organizations. Innovative, high-

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risk/high-impact proposals are encouraged. SFARI especially encourages applications from investigators who are new to the field of autism, but who have expertise that could be brought to bear on this complex disorder. Applicants are strongly advised to familiarize themselves with the work currently supported by SFARI and to consider how their proposals might complement existing grants. The foundaton expects Simons Investigators to share renewable reagents and data developed with SFARI funds with other qualified investigators. Access to the Simons Simplex Collection (SSC), a resource of rigorously characterized phenotypic data, genetic data and biomaterials, will be available to all approved scientists through SFARI Base. The foundation encourages applications that utilize this resource.

- **URL:** *https://sfari.org/funding/grants/explorer-awards-rfa*

Neonatal Research Initiative - Request for Proposals
Little Giraffe Foundation
Due Date: Letters of Intent 7/15/2016

The Little Giraffe Foundation is offering research grants for neonatal research. The Foundation invites applications for research grants directed at addressing both the long term and immediate health needs caused by premature birth. Research subjects appropriate for support by the Little Giraffe Foundation include basic biological processes governing development, genetics, clinical studies, studies of reproductive health, environmental toxicology, and social and behavioral studies.

- **URL:** *http://www.littlegiraffefoundation.org/Neonatal-Research-Initiative-Request-For-Proposals*

INTERNATIONAL

International Research Network Connections (IRNC)
National Science Foundation (NSF)
Due Date: 3/17/2016

The International Research Network Connections (IRNC) program supports high-performance network connectivity required by international science and engineering research and education collaborations

involving the NSF research community. NSF expects to make 1-2 awards to link U.S. research networks with peer networks in Europe and Africa and leverage existing international network connectivity. High-performance network connections funded by this program are intended to support science and engineering research and education applications, and preference will be given to solutions that provide the best economy of scale and demonstrate the ability to support the largest communities of interest with the broadest services. Funded projects will assist the U.S. research and education community by enabling state-of-the-art international network services and access to increased collaboration and data services. Through extended international network connections, additional research and production network services will be enabled, complementing those currently offered or planned by domestic research networks. **NSF 16-523**

- **URL:***http://www.nsf.gov/pubs/2016/nsf16523/nsf16523.htm?WT.mc_id=USNSF_25&WT.mc_ev =click*

LIBRARIES

Laura Bush 21st Century Librarian program
Institute of Museum and Library Services (IMLS)
Due Date: Preliminary Proposals 2/2/2016; Full Proposals 6/1/2016

The Laura Bush 21st Century Librarian Program (LB21) supports professional development, graduate education and continuing education to help libraries and archives develop the human capital capacity they need to meet the changing learning and information needs of the American public. **LB21-FY16-2**

We are especially interested in supporting proposals to address the following agency priorities:

- National digital platform
- Learning in libraries

In particular, we wish to support academic programs, professional development and continuing education programs that address the issues raised at these convenings. These include:

- Digital services (content curation, user services, and infrastructure design & management)
- Participatory or lifelong learning services (maker spaces, learning labs, digital media studios, etc.)
- Community engagement, especially engagement that leads to broadband adoption

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- Applied research that fosters meaningful connections among researchers, practitioners, and constituencies
- Mentorship, service learning, and practical models for development
- Supporting STEM learning
- Supporting projects that build capacity to embrace open-ended design challenges and proactive service developments.

- **URL:** *https://www.imls.gov/grants/available/laura-bush-21st-century-librarian-program*

FY 16 National Leadership Grants for Libraries
Institute of Museum and Library Services (IMLS)
Due Date: Preliminary Proposals 2/2/2016; Full Proposals 6/1/2016

National Leadership Grants for Libraries (NLG) support projects that address challenges faced by the library and archive fields and that have the potential to advance practice in those fields. Successful proposals will generate results such as new tools, research findings, models, services, practices, or alliances that can be widely used, adapted, scaled, or replicated to extend the benefits of federal investment. **NLG-LIBRARIES-FY16-2**

For the NLG deadline, we encourage applications to address one of two agency priorities:

- National digital platform
- Learning in libraries

We will also accept any applications that explore the following issues:

- What will move library and archival services in the United States forward?
- What will help libraries and archives make decisions about their own investments?
- What knowledge, capacity, functions, or infrastructure can libraries and archives share?

- **URL:** *https://www.imls.gov/nofo/national-leadership-grants-libraries-fy16-2-notice-funding-opportunity*

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MULTIPLE DISCIPLINES

Data Infrastructure Building Blocks (DIBBs)
National Science Foundation (NSF)
Due Date: 4/4/2016

The Data Infrastructure Building Blocks (DIBBs) program is an integral part of CIF21. The DIBBs program encourages development of robust and shared data-centric cyberinfrastructure capabilities, to accelerate interdisciplinary and collaborative research in areas of inquiry stimulated by data. DIBBs investments enable new data-focused services, capabilities, and resources to advance scientific discoveries, collaborations, and innovations. The investments are expected to build upon, integrate with, and contribute to existing community cyberinfrastructure, serving as evaluative resources while developments in national-scale access, policy, interoperability and sustainability continue to evolve.
 Effective solutions will bring together cyberinfrastructure expertise and domain researchers, to ensure that the resulting cyberinfrastructure address researchers data needs. The activities should address the data challenges arising in a disciplinary or cross-disciplinary context. The projects should stimulate data-driven scientific discoveries and innovations, and address broad community needs.

This solicitation includes two classes of science data pilot awards:
1. Early Implementations are large "at scale" evaluations, building upon cyberinfrastructure capabilities of existing research communities or recognized community data collections, and extending those data-focused cyberinfrastructure capabilities to additional research communities and domains with broad community engagement.
2. Pilot Demonstration address advanced cyberinfrastructure challenges across emerging research communities, building upon recognized community data collections and disciplinary research interests, to address specific challenges in science and engineering research.

Prospective PIs should be aware that DIBBs is a multi-directorate activity, and are encouraged to submit proposals that have broad, interdisciplinary interest. PIs are encouraged to refer to NSF core program descriptions, Dear Colleague Letters, and recently posted initiatives on directorate and divisional home pages to gain insight as to the priorities for the relevant area(s) of science and engineering in which their proposasl may be responsive. It is strongly recommended that a prospective PI contact a Cognizant Program Officer in the organization(s) closest to the major disciplinary impact of the proposed work to ascertain whether the the scientific focus and budget of the proposed work are appropriate for this solicitation. **NSF 16-530**

   -   **URL:** *http://www.nsf.gov/pubs/2016/nsf16530/nsf16530.htm*

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NEW FACULTY/INVESTIGATOR

Esther Katz Rosen Fund Grants
American Psychological Association (APA)
Due Date: 3/1/2016

The Ester Katz Rosen Fund was established in 1974 by a generous bequest intended to support "…activities related to the advancement and application of knowledge about gifted children."
Rosen Fund grants:

- Enable and enhance development of identified gifted and talented children and adolescents.
- Encourage promising psychologists to continue innovative research and programs in this area.

Support will be provided for activities on the advancement and application of knowledge related to identified gifted and talented children and adolescents, such as:

- Research.
- Pilot projects.
- Research-based programs.

Graduate students and early career psychologists (10 years or less postdoctoral) are encouraged to apply. APF also supports pilot projects that, if successful, would be strong candidates for support from major federal and foundation funding agencies, and "demonstration projects" that promise to generalize broadly to other geographical areas and/or to other settings.

- **URL:** *http://www.apa.org/apf/funding/rosen.aspx?tab=1*

Petascale Computing Resource Allocations (PRAC)
National Science Foundation (NSF)
Due Date: 4/4/2016, 11/9/2016

In 2013, a new NSF-funded petascale computing system, Blue Waters, was deployed at the University of Illinois. The goal of this project and system is to open up new possibilities in science and engineering by providing computational capability that makes it possible for investigators to tackle much larger and more complex research challenges across a wide spectrum of domains. The purpose of this solicitation is to invite research groups to submit requests for allocations of resources on the Blue Waters system. Proposers must show a compelling science or engineering challenge that will require petascale computing resources. Proposers must also be prepared to demonstrate that they have a science or

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engineering research problem that requires and can effectively exploit the petascale computing capabilities offered by Blue Waters. **Proposals from or including junior researchers are encouraged, as one of the goals of this solicitation is to build a community capable of using petascale computing. NSF 16-529**

- **URL:** *http://www.nsf.gov/pubs/2016/nsf16529/nsf16529.htm*

SOCIAL & BEHAVIORAL SCIENCES

Research on the Effects of the Affordable Care Act
Russell Sage Foundation
Due Date: Letters of Inquiry 3/30/2016

The Russell Sage Foundation is accepting applications for its Social, Economic and Political Effects of the Affordable Care Act grant program. The program supports innovative social science research on the social, economic, and political effects of the Affordable Care Act. The foundation is especially interested in funding analyses that address important questions about the effects of the reform on outcomes such as financial security and family economic well-being, labor supply and demand, participation in other public programs, family and children's outcomes, immigrant outcomes, and differential effects by age, race, ethnicity, nativity, or disability status. The foundation also is interested in research that examines the political effects of the implementation of the new law, including changes in views about government, support for future government policy changes, and impact on policy development outside of health care. Funding is available for secondary analysis of data or for original data collection. Projects that propose novel uses of existing data or analysis of newly available or underutilized data are welcomed. The foundation will not fund research on the effects of the ACA on healthcare delivery or health outcomes (e.g., barriers to implementation, changes in the quality of care and health status, or trends in enrollment and affordability). Grant requests are limited to no more than a two-year period, with a maximum of $150,000 (including overhead) per project. LOIs must be received no later than March 30, 2016. Upon review, selected applicants will be invited to submit full applications by July 15, 2016.

- **URL:** *http://www.russellsage.org/research/funding/affordable-care-act*

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Perception, Action, and Cognition
National Science Foundation (NSF)
Due Date: Research Proposals 2/1/2016, 8/1/2016; Conference Proposals 6/15/2016

This program supports upports research on perception, action and cognition. Emphasis is on research strongly grounded in theory. Central research topics for consideration by the Perception, Action, and Cognition panel include vision, audition, haptics, attention, memory, reasoning, written and spoken discourse, and motor control. The program encompasses a wide range of theoretical perspectives, such as symbolic computation, connectionism, ecological, nonlinear dynamics, and complex systems, and a variety of methodologies including both experimental studies and modeling. The PAC program is open to co-review of proposals submitted to other programs (e.g., Linguistics, Developmental and Learning Sciences, Cognitive Neuroscience, etc). Proposals may involve clinical populations, animals, or computational modeling only if the work has direct impact on basic issues of human perception, action, or cognition. **PD 09-7252**

- **URL:** *http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5686*

OVW Fiscal Year 2016 Grants to Reduce Sexual Assault, Domestic Violence, Dating Violence and Stalking on Campus Program Solicitation
U.S. Department of Justice (DoJ) – Office on Violence Against Women (OVW)
Due Date: 3/3/2016

This program is authorized by 42 U.S.C. §14045b. Congress created the Grants to Reduce Sexual Assault, Domestic Violence, Dating Violence, and Stalking on Campus Program (hereinafter referred to as the Campus Program) in recognition of the unique issues and challenges that colleges and universities face in preventing and responding to sexual assault, domestic violence, dating violence and stalking. The Campus Program encourages a comprehensive coordinated community approach that enhances victim safety, provides services for victims and supports efforts to hold offenders accountable. The funding supports activities that develop and strengthen trauma informed victim services and strategies to prevent, investigate, respond and prosecute sexual assault, domestic violence, dating violence and stalking. The development of campus-wide coordinated responses involving campus victim service providers, law enforcement/campus safety officers, health providers, housing officials, administrators, student leaders, faith-based leaders, representatives from student organizations, and disciplinary board members is critical. To be effective, campus responses must also link to local off-campus criminal justice agencies and service providers, including local law enforcement agencies, prosecutors' offices, courts, and nonprofit, nongovernmental victim advocacy and victim services organizations. Campuses are encouraged to create or revitalize large-scale efforts that treat sexual assault, domestic violence, dating violence, and stalking as serious offenses by adopting effective policies and protocols, developing victim services and programs that prioritize victim safety, ensuring offender accountability,

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and implementing effective prevention approaches. Colleges and universities should demonstrate to every student that these crimes will not be tolerated, that perpetrators will face serious consequences, and that holistic services are available for victims.
OVW-2016-9145

- **URL:***http://www.grants.gov/web/grants/search-grants.html?keywords=Grants%20to%20Reduce%20Violent%20Crimes%20on%20Campus*

STUDENTS

Dissertation Grants
Charles Koch Foundation
Due Date: Abstracts accepted anytime

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