

Funding Bulletin

June 2nd, 2017 (Vol. 4, No. 17)

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

[WORKSHOPS](#)

[INTERNAL OPPORTUNITIES](#)

[NOTICES](#)

[LIMITED SUBMISSIONS](#)

[GENERAL](#)

[ARTS & HUMANITIES](#)

[EDUCATION](#)

[ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES](#)

[HEALTH, LIFE & EARTH SCIENCES](#)

[NEW FACULTY / INVESTIGATOR](#)

[SOCIAL & BEHAVIORAL SCIENCES](#)

[STUDENTS](#)

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/>

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

OFFICE OF RESEARCH WORKSHOPS

For more information contact Jana Henderson at jana.henderson@wichita.edu or 978-3285.
For complete schedule go to: <http://webs.wichita.edu/?u=wsuresearchadmin&p=/researchworkshops/>

WORKSHOP TITLE	DATE	TIME	ROOM	DESCRIPTION
IRB Open Lab	June 12	10:00 – 11:30 a.m.	405 Jardine	The IRB Administrator will be holding Open Labs this fall for Faculty, Staff or Students who have questions about the new forms or about their study in general. <i>This is a come and go lab with no registration required.</i>
Pivot Open Lab	June 22	2:30 – 4:00 p.m.	409E Jardine	PIVOT open labs are to assist faculty and staff who are interested in identifying external funding sources. <i>This is a come and go lab with no registration required.</i>

NOTICES

Funding Bulletin Survey – your feedback is appreciated!

The Office of Research has created a short survey to gauge user satisfaction for our Funding Bulletin; please take a couple minutes to tell us your thoughts about it. Participation is confidential and optional; results will be utilized to evaluate customer satisfaction with funding search support. Your feedback is appreciated! Please follow the link below to access the survey:

https://wichitastate.co1.qualtrics.com/jfe/form/SV_9AHfbwsfnD8Y6a1

Curious to see who's receiving external funding on campus?!? Check out the Office of Research's Monthly Awards

<http://webs.wichita.edu/?u=wsuresearchadmin&p=/researchmonthlyawards/jan17/>

State of Kansas Request for Proposal Distribution List

The Office of Research is developing an email list of PI's interested in receiving notifications on upcoming State of Kansas Request for Proposal opportunities. These opportunities are often limited to 1 submission per institution, and have quick turn-around deadlines. If you are interested in being added to our notification list, please email proposals@wichita.edu and include your areas of interest.

INTERNAL OPPORTUNITIES

The next available internal opportunities will be: 1) Multi-disciplinary Research Projects Award (MURPA) and 2) University Research/Creative Award (URCA) - Round 2. Both will have October 2017 deadlines.

For more information, visit

<http://webs.wichita.edu/?u=wsuresearchadmin&p=/ORAIInternalGrants/ORAIInternalGrants/>

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 Notice of Intent (NOI) due date listed in the Funding Bulletin if you wish to submit a limited submission program. **Because many limited submission programs often have short turnaround times, it is important that researchers also periodically check the Office of Research's [Limited Submission Opportunities](#) webpage for additional opportunities that may not have made it into the bulletin. There are currently six open limited submission competitions:**

(1) National Endowment for the Arts (NEA) Research Labs

National Endowment for the Arts (NEA)

Due Date: Internal NOI 6/16/2017; Application 7/18/2017

In recent years, the NEA's research portfolio has focused on yielding new knowledge about the value and impact of the arts. Through a new program, the NEA Research Labs, the organization seeks to

support a series of transdisciplinary research partnerships, grounded in the social and behavioral sciences, to produce and report empirical insights about the arts for the benefit of arts and non-arts sectors alike. The purpose of this Program Solicitation is to select an organization(s) (Cooperator) to undertake the program. Each NEA Research Lab will define a research agenda, conduct a research program to implement that agenda, and prepare reports that will contribute substantively to a wider understanding of one of three areas of special interest to the NEA:

- 1. The Arts, Health, and Social/Emotional Well-Being**
- 2. The Arts, Creativity, Cognition, and Learning**
- 3. The Arts, Entrepreneurship, and Innovation**

NEA anticipates that a sustained engagement with these topic areas, and with the corresponding research questions, will have distinctive benefits for the arts community, but also for sectors such as healthcare, education, and business or management. Priority will be given to applications that propose quasi-experimental or experimental studies with theory-driven research questions and methodologies that will yield important information about the impact of the arts within the selected topic area. Competitive applications will take into account any extant research that serves as a basis for a theoretical framework and helps to motivate the proposed project. NEA also welcomes novel and promising research approaches, such as rigorous analyses of organizational or social networks and/or social media data. In addition, NEA is interested in translational research that moves scientific evidence toward the development, testing, and standardization of new arts-related programs, practices, models, or tools that can be used easily by other practitioners and researchers. The Cooperator will work with the NEA Project Director, and through the Project Director with other NEA staff as appropriate, on all aspects of this program. The NEA Project Director will be the Director of Research & Analysis. The Cooperator will consult with, and will secure the approval of, the National Endowment for the Arts Project Director in carrying out the responsibilities below. **NEAPS1704 An organization may submit only one proposal under this program solicitation. Two different organizations may not both apply listing the same nonprofit arts partner.**

- URL: <https://www.arts.gov/program-solicitation-national-endowment-arts-research-labs-may2017>

(2) Federal and State Technology (FAST) Partnership Program

United States Small Business Administration (SBA)

Due Date: Internal NOI 6/2/2017; Application 6/20/2017

The mission of SBA's Office of Innovation & Technology, which bears responsibility for administering the FAST Program, is to strengthen the technological competitiveness of small business concerns in every state. The FAST program focuses on improving the participation of small firms in the innovation

and commercialization of new technology, thereby helping keep the United States on the cutting edge of research and development in science and technology. **FAST-2017-R-0011 *An organization may submit only one proposal in response to this Announcement.***

- URL: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=293768>

(3) Big Data Regional Innovation Hubs: Establishing Spokes to Advance Big Data Applications (BD Spokes)

National Science Foundation (NSF)

Due Date: Internal NOI 7/1/2017; Full Proposal 9/18/2017

NSF's Directorate for Computer and Information Science and Engineering (CISE) initiated the National Network of Big Data Regional Innovation Hubs (BD Hubs) program in FY 2015. Four BD Hubs - Midwest, Northeast, South, and West - were established to foster multi-sector collaborations among academia, industry, and government, both nationally and internationally. These BD Hubs are serving a convening and coordinating role by bringing together a wide range of Big Data stakeholders in order to connect solution seekers with solution providers. In FY 2016, the Big Data Regional Innovation Hubs: Establishing Spokes to Advance Big Data Applications (BD Spokes) solicitation began extending the BD Hubs network by establishing multi-institutional and multi-sector collaborations to focus on topics of specific interest to a given region. The first set of BD Spokes was funded in FY 2016. This solicitation calls for new BD Spoke proposals to be awarded in FY 2018. Collaborating with BD Hubs, each BD Spoke will focus on a particular topic that requires Big Data approaches and solutions. The set of activities managed by a BD Spoke will promote progress towards solutions in the chosen topic area. The regional BD Hub Steering Committee will provide general guidance to each BD Spoke and will assist the BD Spoke in coordinating with the national BD Hub network, with other BD Spokes, and with the broader innovation ecosystem.

The Big Data activities of a BD Spoke will be guided by the following broad themes:

- Accelerating progress towards addressing societal grand challenges relevant to the regional and national priority areas defined by the BD Hubs (information on priority areas can be found on each Hub's website listed in the Introduction section below);
- Helping automate the Big Data lifecycle; and
- Enabling access to and spurring the use of important and valuable available data assets, including international data sets where relevant.

NSF's overall Big Data research and development (R&D) portfolio includes fundamental research, infrastructure development and provisioning, education and workforce development, and community engagement. Not all of these aspects of the overall portfolio are covered by this solicitation. In particular, this solicitation is not meant to fund proposals in which fundamental research is the primary

activity. If research is a substantial portion of the proposed activities, please consult with a cognizant NSF program officer of this solicitation to help find a more appropriate solicitation. For example, projects focused on foundations and innovative applications related to Big Data may be better suited for submission to the Critical Techniques and Technologies for Advancing Foundations and Applications of Big Data Science & Engineering (BIGDATA) program. Similarly, projects focused primarily on privacy research may be more suited to NSF's Secure and Trustworthy Cyberspace (SaTC) program. **NSF 17-546** There are two proposal categories covered by this solicitation: SMALL and MEDIUM BD Spokes. ***Proposal submissions are limited to 1 per organization (except as non-lead in a collaborative proposal) to maintain a balanced geographic representation of the Regional Hubs and Spokes program and to increase diversity of participating institutions.***

- URL: <https://www.nsf.gov/pubs/2017/nsf17546/nsf17546.htm>

(4) Bridges to the Baccalaureate Program (R25)

National Institutes of Health (NIH) - National Institute of General Medical Sciences (NIGMS)

Due Date: Internal NOI 7/1/2017; Application 9/25/2017

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The over-arching goal of this National Institute of General Medical Sciences (NIGMS) R25 program is to support educational activities that enhance the diversity of the biomedical research workforce. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on Courses for Skills Development, Research Experiences, and Curriculum or Methods Development. A program application must include each activity, and describe how they will be synergized to make a comprehensive program. The Bridges to Baccalaureate Program is intended to provide these activities to community college students to increase transition to and completion of Bachelor's degree in biomedical sciences. This program requires partnerships between community colleges or other two-year post-secondary educational institutions granting the associate degree with colleges or universities that offer the baccalaureate degree. Additionally, recruitment and retention plans are required as part of the application. **PAR-17-210 Applicant organizations may NOT submit more than one application as the lead institution.**

- URL: <https://grants.nih.gov/grants/guide/pa-files/PAR-17-210.html>

(5) Research Education: Bridges to the Doctorate (R25)

National Institutes of Health (NIH) - National Institute of General Medical Sciences (NIGMS)

Due Date: Internal NOI 7/1/2017; Application 9/25/2017

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The over-arching goal of this National Institute of General Medical Sciences (NIGMS) R25 program is to support educational activities that enhance the diversity of the biomedical research workforce. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on Courses for Skills Development and Research Experiences. The Bridges to Doctorate Program is intended to provide these educational activities to Master's level students to increase transition to and completion of Ph.D.'s in biomedical sciences. A program application must include each educational activity, and describe how they will be synergized to make a comprehensive program. This program requires partnerships between master's degree-granting institutions with doctorate degree-granting institutions. Additionally, recruitment and retention plans are required as part of the application. **PAR-17-209 Applicant organizations may not submit more than one application as the Lead Institution; organizations can be the lead on one application and partner on another.**

- URL: <https://grants.nih.gov/grants/guide/pa-files/PAR-17-209.html>

(6) Summer Stipends

National Endowment for the Humanities (NEH)

Due Date: Internal NOI 7/14/2017; Nominations 9/27/2017

Summer Stipends support individuals pursuing advanced research that is of value to humanities scholars, general audiences, or both. Eligible projects usually result in articles, monographs, books, digital materials and publications, archaeological site reports, translations, editions, or other scholarly resources. Summer Stipends support projects at any stage of development. **20170929-FT Each college and university in the United States and its jurisdictions may nominate two full-time 12 month appointment faculty members. Faculty members with 9 month appointments are exempt from this limitation.**

- URL: <https://www.neh.gov/grants/research/summer-stipends>

GENERAL

EPSCoR Research Infrastructure Improvement Program Track-1: (RII Track-1)

National Science Foundation (NSF)

Due Date: Letters of Intent 7/31/2017; Full Proposals 8/21/2017

The Established Program to Stimulate Competitive Research (EPSCoR) is designed to fulfill the mandate of the National Science Foundation (NSF) to promote scientific progress nationwide. A jurisdiction is eligible to participate in EPSCoR programs if its level of NSF research support is equal to or less than 0.75 percent of the total NSF research and related activities budget for the most recent three year period (see RII [eligibility](#)). Through this program, NSF establishes partnerships with government, higher education, and industry that are designed to effect sustainable improvements in a jurisdiction's research infrastructure, Research and Development (R&D) capacity, and hence, its R&D competitiveness. Research Infrastructure Improvement Track-1 (RII Track-1) awards provide up to \$20 million total for 5 years to support improvements to physical and cyber infrastructure and human capital development in research areas selected by the jurisdiction's EPSCoR steering committee as having the best potential to improve future R&D competitiveness of the jurisdiction. The research activities of the project must align with the specific research priorities identified in the approved Science and Technology (S&T) Plan of the jurisdiction. Refer to sections II and IV.A of this solicitation for more information on alignment of the research activities of the project with the STEM research priorities of the S&T Plan. **NSF 17-562**

- **URL:**https://www.nsf.gov/pubs/2017/nsf17562/nsf17562.htm?WT.mc_id=USNSF_25&WT.mc_ev=click

Research Experiences for Undergraduates (REU): Sites and Supplements

National Science Foundation (NSF)

Due Date: 8/24/2017

The Research Experiences for Undergraduates (REU) program supports active research participation by undergraduate students in any of the areas of research funded by the National Science Foundation. REU projects involve students in meaningful ways in ongoing research programs or in research projects specifically designed for the REU program. This solicitation features two mechanisms for support of student research: (1) REU Sites are based on independent proposals to initiate and conduct projects that engage a number of students in research. REU Sites may be based in a single discipline or academic department or may offer interdisciplinary or multi-department research opportunities with a coherent intellectual theme. Proposals with an international dimension are welcome. (2) REU Supplements may be included as a component of proposals for new or renewal NSF grants or cooperative agreements or

may be requested for ongoing NSF-funded research projects. Undergraduate student participants in either REU Sites or REU Supplements must be U.S. citizens, U.S. nationals, or permanent residents of the United States. Students do not apply to NSF to participate in REU activities. Students apply directly to REU Sites or to NSF-funded investigators who receive REU Supplements. **NSF 13-542**

- URL: <https://www.nsf.gov/pubs/2013/nsf13542/nsf13542.htm>

Frequently Asked Questions (FAQs) for Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) Programs

National Science Foundation (NSF) (NSF 17-071)

- URL: https://www.nsf.gov/pubs/2017/nsf17071/nsf17071.jsp?WT.mc_id=USNSF_25&WT.mc_ev=click

ARTS & HUMANITIES

Humanities Collections and Reference Resources (HCRR) Program

National Endowment for the Humanities (NEH)

Due Date: 7/20/2017

The Humanities Collections and Reference Resources (HCRR) program supports projects that provide an essential underpinning for scholarship, education, and public programming in the humanities. Thousands of libraries, archives, museums, and historical organizations across the country maintain important collections of books and manuscripts, photographs, sound recordings and moving images, archaeological and ethnographic artifacts, art and material culture, and digital objects. Funding from this program strengthens efforts to extend the life of such materials and make their intellectual content widely accessible, often through the use of digital technology. Awards are also made to create various reference resources that facilitate use of cultural materials, from works that provide basic information quickly to tools that synthesize and codify knowledge of a subject for in-depth investigation. **20170720-PW**

- URL: <https://www.neh.gov/grants/preservation/humanities-collections-and-reference-resources>

Millard Meiss Publication Fund

College Art Association (CAA)

Due Date: 9/15/2017

Applications for publication grants will be considered only for book-length scholarly manuscripts in the history of art, visual studies, and related subjects that have been accepted by a publisher on their merits, but cannot be published in the most desirable form without a subsidy.

Applications are judged in relation to two criteria:

(1) the quality of the project; and

(2) the need for financial assistance. Although the quality of the manuscript is the sine qua non for a grant, an excellent manuscript may not be funded if it is financially self-supporting.

In general, the purpose of the grant is to support presses in the publication of projects of the highest scholarly and intellectual merit that may not generate adequate financial return. The jury is particularly sympathetic to applications that propose enhancing the visual component of the study through the inclusion of color plates or an expanded component of black-and-white illustrations. While all periods and all areas of art history and visual studies may be considered, eligibility does not embrace excavation or other technical reports, articles, previously published works (including collections of previously published essays), or congress proceedings.

- URL: <http://www.collegeart.org/programs/publishing-grants/meiss/>

EDUCATION

Child Care Access Means Parents in School (CCAMPIS) Program

United States Department of Education (ED) - Office of Postsecondary Education (OPE)

Due Date: 6/22/2017

The CCAMPIS Program supports the participation of low-income parents in postsecondary education through provision of campusbased child care services. For FY 2018 and any subsequent year in which awards are made from the list of unfunded applicants from this competition, these priorities are absolute priorities. Each application must address these priorities. **ED-GRANTS-052317-001**

These priorities are:

Absolute Priority 1: Projects that are designed to leverage significant local or institutional resources, including in-kind contributions, to support the activities assisted under section 419N of the HEA.

Absolute Priority 2: Projects that are designed to utilize a sliding fee scale for child care services provided under section 419N of the HEA in order to support a high number of low-income parents pursuing postsecondary education at the institution.

- URL: <http://www2.ed.gov/programs/campisp/applicant.html>

Jacob K. Javits Gifted and Talented Students Education Program

U.S. Department of Education (ED)

Due Date: 6/22/2017

The purpose of this program is to carry out a coordinated program of scientifically based research, demonstration projects, innovative strategies, and similar activities designed to build and enhance the ability of elementary and secondary schools to meet the special education needs of gifted and talented students. The major emphasis of the program is on serving students traditionally underrepresented in gifted and talented programs, particularly economically disadvantaged, limited English proficient (LEP), and disabled students, to help reduce the serious gap in achievement among certain groups of students at the highest levels of achievement. **ED-GRANTS-051817-001**

- URL: <https://www.grants.gov/view-opportunity.html?oppld=293914>

Educational Technology, Media, and Materials for Individuals With Disabilities: Research and Development Center on Developing Software To Adapt and Customize Instruction in Digital Learning Environments to Improve Results for Children With Disabilities

United States Department of Education (ED) - Office of Special Education and Rehabilitative Services (OSERS)

Due Date: 7/10/2017

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. The purpose of this priority is to fund a cooperative agreement to establish and operate a research and development center that will develop

software designed to adapt and customize digital materials for children with disabilities, whether or not delivered online (Center). The software should enable teachers to differentiate instruction to meet the diverse needs of children with disabilities. In this way, the software Start Printed Page 23792 will: (a) Enable educators, children with disabilities, and their parents to select settings and preferences that provide access and customize instructional materials to meet their individual needs in digital or online instruction; and (b) self-adjust so that material is presented at appropriate instructional levels based upon an individual child's input. When possible, the software should be embedded during production of the digital materials.

- URL: <https://www.federalregister.gov/documents/2017/05/24/2017-10663/applications-for-new-awards-educational-technology-media-and-materials-for-individuals-with>

Teacher Workshop Request for Proposals RFP

NASA Kansas Space Grant Consortium (KNEP) – National Aeronautics and Space Administration (NASA)

Due Date: 7/31/2017

The NASA Kansas Space Grant Consortium (KSGC) Teacher In-Service Workshop Program supports the development and implementation of Science, Technology, Engineering, and Mathematics (STEM) educator workshops. NASA is especially interested in targeting middle school educators, who will foster STEM learning and hence STEM workforce development. A special emphasis is placed on involving women and underrepresented minorities. KSGC affiliate proposals are competitively awarded by peer review. A total of \$25,000 in NASA funds is available. The KSGC expects to make 2-3 awards. Affiliates must identify a \$1.00 commitment for every NASA dollar requested (use of federal matching funds is not allowed). Matching funds can be real-dollar, in-kind, or waived/reduced indirect costs provided by the institution, industry, or private sponsors.

- URL: <http://webs.wichita.edu/?u=wsuresearchadmin&p=/orainternalgrants/externalgrants/>

Education Research

United States Department of Education (ED) - Institute of Education Sciences (IES)

Due Date: 8/4/2017

The central purpose of the Institute's research grant programs is to provide interested individuals and the general public with reliable and valid information about education practices that support learning and improve academic achievement and access to education opportunities for all students. These interested individuals include parents, educators, students, researchers, and policymakers. In carrying out its grant programs, the Institute provides support for programs of research in areas of demonstrated national need. The Institute's purpose in awarding these grants is to provide national leadership in expanding fundamental knowledge and understanding of (1) developmental and school

readiness outcomes for infants and toddlers with or at risk for disability, and (2) education outcomes for all students from early childhood education through postsecondary and adult education. **ED-GRANTS-030816-001**

Topics under Education Research will be as follows:

- Cognition and Student Learning.
- Early Learning Programs and Policies.
- Education Leadership.
- Education Technology.
- Effective Teachers and Effective Teaching.
- English Learners.
- Improving Education Systems.
- Mathematics and Science Education.
- Postsecondary and Adult Education.
- Reading and Writing.
- Social and Behavioral Context for Academic Learning.
- Special Topics.
- Arts in Education.
- Career and Technical Education.
- Systemic Approaches to Educating Highly Mobile Students

- **URL:** <https://www.federalregister.gov/documents/2016/03/08/2016-05155/applications-for-new-awards-education-research-and-special-education-research-grant-programs>

Statistical and Research Methodology in Education

United States Department of Education (ED) - Institute of Education Sciences (IES)

Due Date: 8/4/2017

Through the grant program on Statistical and Research Methodology in Education (Methods), the Institute supports research to advance education research methods and statistical analyses. The long-term outcome of this research program will be a wide range of methodological and statistical tools that will better enable education scientists to conduct rigorous education research. The Institute is interested in the development of practical statistical and methodological tools that can be used by most education researchers (rather than only by statisticians and researchers with highly sophisticated statistical skills) to improve the designs of their studies, analyses of their data, and interpretations of their findings. For the FY 2017 competition, the Institute has two categories of projects: (1) regular grants which are similar to projects that have been funded under previous competitions and (2) Early Career grants for early career researchers. **ED-GRANTS-030816-003**

- **URL:** <https://ies.ed.gov/funding/>

Special Education Research

United States Department of Education (ED) - Institute of Education Sciences (IES) - National Center for Special Education Research (NCSE)

Due Date: 8/17/2017

The Institute's purpose in awarding these grants is to provide national leadership in expanding fundamental knowledge and understanding of (1) developmental and school readiness outcomes for infants and toddlers with or at risk for a disability, and (2) education outcomes for all students from early childhood education through postsecondary and adult education. The Institute's research grant programs are designed to provide interested individuals and the general public with reliable and valid information about education practices that support learning and improve academic achievement and access to education opportunities for all students. These interested individuals include parents, educators, students, researchers, and policymakers. In carrying out its grant programs, the Institute provides support for programs of research in areas of demonstrated national need. **ED-GRANTS-053017-006**

In FY 2018, the focus of 84.324A is on teachers and other instructional personnel within each of the following topics:

- Autism Spectrum Disorders
- Cognition and Student Learning in Special Education
- Early Intervention and Early Learning in Special Education
- Families of Children with Disabilities
- Mathematics and Science Education
- Professional Development for Teachers and School-Based Service Providers
- Reading, Writing, and Language Development
- Social and Behavioral Outcomes to Support Learning
- Special Education Policy, Finance, and Systems
- Technology for Special Education
- Transition Outcomes for Secondary Students with Disabilities

- **URL:** <https://www.grants.gov/web/grants/view-opportunity.html?oppld=294200>

ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

Local Section Innovative Project Grant Program

American Chemical Society (ACS)

Due Date: 6/30/2017, 1/31/2018

The ACS Committee on Local Section Activities (LSAC) funds new local section projects through Local Section Innovative Projects Grants (IPGs). This program encourages local sections to conceive of and implement innovative projects to strengthen the functioning of the local section. Proposed innovative projects must 1) be new to the applying local section, 2) stimulate local section member involvement, and 3) be pilot projects for a continuing section activity or else take advantage of a unique upcoming opportunity for the local section. Projects that support interaction with other ACS local sections, ACS divisions, ACS committees, other professional associations, or community groups are especially encouraged, as are programs that foster inclusiveness and participation of diverse section membership or segments of the general public.

- URL: <https://www.acs.org/content/acs/en/funding-and-awards/grants/acscommunity/lsinnovativegrant.html>

Walston Chubb Award for Innovation

Sigma Xi, The Scientific Research Society

Due Date: 10/1/2017

Since 2006, Sigma Xi has presented the Walston Chubb Award for Innovation to honor and promote creativity in science and engineering. For the purposes of the award, innovation is defined as research into new areas of potential scientific importance, a novel approach to a long-standing problem in science or engineering or research that may create a new methodology of importance to science or engineering. In addition, application of expertise and insights from one area to advance another scientific discipline, or creative solutions to an important interdisciplinary problem also qualify as innovations. Awards are to be made no sooner than one year after the innovation has been reported in a peer-reviewed journal and research required for the basic functionality of the innovation completed .

- URL: <https://www.sigmaksi.org/programs/prizes-awards/walston-chubb>

**Semiconductor Synthetic Biology for Information Processing and Storage Technologies
(SemiSynBio)**

National Science Foundation (NSF)

Due Date: 10/30/2017

The National Science Foundation (NSF), through its Division of Electrical, Communications and Cyber Systems (ECCS) in the Directorate for Engineering (ENG), Division of Computing and Communication Foundations (CCF) in the Directorate for Computer and Information Science and Engineering (CISE), and Division of Molecular and Cellular Biosciences (MCB) in the Directorate for Biological Sciences (BIO), has established a partnership with the Semiconductor Research Corporation (SRC), through its Global Research Collaboration (GRC) program, and the Intelligence Advanced Research Projects Activity (IARPA) to announce a solicitation on the "Semiconductor Synthetic Biology for Information Processing and Storage Technologies (SemiSynBio)". Future ultra-low-energy computing, storage and signal-processing systems can be built on principles derived from organic systems that are at the intersection of chemistry, biology, and engineering. New information technologies can be envisioned that are based on biological principles and that use biomaterials in the fabrication of devices and components; it is anticipated that these information technologies could enable stored data to be retained for more than 100 years and storage capacity to be 1,000 times greater than current capabilities. These could also facilitate compact computers that will operate with substantially lower power than today's computers. Research in support of these goals can have a significant impact on advanced information processing and storage technologies. This focused solicitation seeks high-risk/high-return interdisciplinary research on novel concepts and enabling technologies that will address the scientific issues and technological challenges associated with the underpinnings of synthetic biology integrated with semiconductor technology. This research will foster interactions among various disciplines including biology, engineering, physics, chemistry, materials science, computer science, and information science that will enable heretofore-unanticipated breakthroughs as well as meet educational goals. **NSF 17-557**

- **URL:**https://www.nsf.gov/pubs/2017/nsf17557/nsf17557.htm?WT.mc_id=USNSF_25&WT.mc_e v=click

HEALTH, LIFE & EARTH SCIENCES

Career Catalyst Research (CCR) Grants

Susan G. Komen

Due Date: Letters of Intent 6/7/2017; Applications 9/6/2017

Career Catalyst Research (CCR) Grants are intended to foster promising breast cancer researchers who are in the early stages of their faculty careers by providing support for up to three years of "protected time" for research career development under the guidance of a Mentor Committee. It is expected that following the successful completion of a CCR Grant, awardees will launch independent research careers, successfully compete for subsequent research project funding, and emerge as key leaders in the fight against breast cancer. The goal of the FY18 CCR Grant is to support outstanding translational research focused on those breast cancers that do not currently respond well to standard of care therapies including triple negative breast cancer (TNBC), ER+ breast cancer with acquired resistance, and metastatic breast cancer of all sub-types. Letters of Intent addressing topics other than those described below will be administratively withdrawn from consideration without an opportunity for appeal.

1. New Treatments for Drug-Resistant Breast Cancers The goal of this focus area is to support studies on new treatments for ER+ breast cancer and TNBC that have developed resistance to standard therapy, which will lead to a reduction in breast cancer deaths by 2026.

Appropriate studies for this mechanism include, but are not limited to:

- The understanding of the mechanisms that contribute to acquired resistance in ER+ breast cancer and TNBC.
- Pre-clinical validation of novel molecular targets to overcome resistance to current therapies.
- Development of new therapies and/or new drug combinations, including new combinations of existing drugs.

*Proposals must focus directly on either ER+ breast cancer or TNBC. Proposals that address other tumor types, are broadly focused, or considered "hypothesis generating" are NOT appropriate for this Grant mechanism.

2. New Approaches to Combat Metastatic Breast Cancer The goal of this focus area is to support translational research into the understanding and treatment of metastatic (Stage IV) breast cancer which will lead to a reduction in breast cancer deaths by 2026.

Appropriate studies for this mechanism include, but are not limited to:

- Development of treatment strategies based on the mechanisms of metastatic growth and survival, incorporating the contribution of the tumor microenvironment to disease progression (including the immune system and potential vaccine strategies).

- New methods to treat metastatic disease, including novel, metastasis-specific therapeutic targets and improved delivery of therapies to metastases.

- Correlative studies of existing clinical trials for metastatic breast cancer, including analysis of biopsies and other patient samples. Such studies should leverage existing clinical trials to advance the understanding and treatment of metastatic breast cancer, including early molecular recurrence.

*Basic science studies focused on the mechanisms of breast cancer cell motility and broad exploratory studies are NOT appropriate for this Grant mechanism. The Letter of intent must include a Research Plan and an Impact Statement. The Applicant/PI must propose a research plan that describes the research question and how the Research Project will lead to a reduction in breast cancer deaths by 2026. The Applicant/PI must specifically state how their proposal and specific aims will directly address the goals of the CCR research focus area, as stated above. The statement must also describe how this Research Project will lead to a reduction in breast cancer deaths by 2026.

- URL: <http://www5.komen.org/ResearchGrants/FundingOpportunities.html>

Rural Health and Safety Education Competitive Grants Program

U.S. Dept. of Agriculture (USDA) - National Institute of Food and Agriculture (NIFA)

Due Date: 6/30/2017

The RHSE program proposals are expected to be community-based, outreach education programs, such as those conducted through Human Science extension outreach, that provides individuals and families with: Information as to the value of good health at any age; Information to increase individual or family's motivation to take more responsibility for their own health; Information regarding rural environmental health issues that directly impact on human health; Information about and access to health promotion and educational activities; and Training for volunteers and health services providers concerning health promotion and health care services for individuals and families in cooperation with state, local and community partners. **USDA-NIFA-RHSE-006360 The RHSE program proposals in the individual and family health education area are expected to be health education projects that provide individuals and families living in rural areas with:**

- Information as to the value of good health at any age;
- Information to increase individual or families' motivation to take more responsibility for their own health;
- Information about and access to health promotion activities; and
- Training for volunteers and health services providers concerning health promotion and health care services for individuals and families in cooperation with state, local and community partners.

- URL: <https://nifa.usda.gov/funding-opportunity/rural-health-and-safety-education-competitive-grants-program-rhse>

Investigator-Initiated Research Grants

National Institute for Health Care Management (NIHCM) - National Institute for Health Care Management Research and Educational Foundation (NIHCM Foundation)

Due Date: 7/10/2017

The purpose of the grants is to support innovative research that will advance the existing knowledge base in the areas of health care financing, delivery, management and/or policy. Studies must have strong potential to yield insights that can be used to have a positive impact on the U.S. health care system by reducing spending, improving quality of care, and/or expanding access to insurance coverage and health care services.

- URL: <https://www.nihcm.org/grants/research-grants>

Peer Reviewed Orthopaedic Research Program (PRORP) - Applied Research Award

United States Department of Defense (DOD) - Department of the Army - U.S. Army Medical Research and Materiel Command (USAMRMC) - Office of Congressionally Directed Medical Research Programs (CDMRP)

Due Date: 7/12/2017, 9/27/2017

The FY17 PRORP challenges the scientific community to address the most significant gaps in care for the leading burden of injury and loss of fitness for military duty by funding innovative, high-impact, clinically relevant research to advance optimal treatment and rehabilitation from neuromusculoskeletal injuries (excluding spinal cord injuries) sustained during combat or combat-related activities. It is expected that research findings would also benefit the general population. Applications involving multidisciplinary collaborations among academia, industry, the military Services, the Department of Veterans Affairs (VA), and other Federal agencies are highly encouraged. The FY17 PRORP Applied Research Award (ARA) seeks applied research applications focused on advancing optimal treatment and restoration of function for military personnel with musculoskeletal injuries sustained during combat or combat-related activities. It is expected that any research findings would also provide benefit to the general population. **W81XWH-17-PRORP-ARA**

- URL: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=294143>

Distance Learning and Telemedicine (DLT) Grant Program

United States Department of Agriculture (USDA) - Rural Development - Rural Utilities Service

Due Date: 7/17/2017

The Distance Learning and Telemedicine program helps rural communities use the unique capabilities of telecommunications to connect to each other and to the world, overcoming the effects of remoteness and low population density. For example, this program can link teachers and medical service providers in one area to students and patients in another. The Distance Learning and Telemedicine program helps rural residents tap into the enormous potential of modern telecommunications and the Internet for education and health care, two of the keys to economic and community development. **RUS-17-01-DLT**

- URL: <https://www.rd.usda.gov/programs-services/distance-learning-telemedicine-grants>

Empowered Communities for a Healthier Nation

U.S. Dept. of Health and Human Services (DHHS) – Office of the Assistant Secretary for Health

Due Date: 7/31/2017

The Empowered Communities for a Healthier Nation Initiative will seek to reduce significant health disparities impacting minorities and disadvantaged populations through the implementation of evidence-based strategies with the greatest potential for impact. The program will serve residents in counties disproportionately impacted by the opioid epidemic; reduce the impact of serious mental illness at the primary care level for children, adolescents and/or adults; and reduce obesity prevalence and disparities in weight status among disadvantaged children and adolescents. **MP-CPE-17-003**

- URL: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=294060>

NIA MSTEM: Advancing Diversity in Aging Research through Undergraduate Education (R25)

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

Due Date: 9/25/2017, 5/25/2018 (Optional Letters of Intent due 8/25/2017)

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The over-arching goal of this NIA R25 program is to support educational activities that enhance the diversity of the biomedical, behavioral and clinical research workforce in aging. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on Research Experiences and Curriculum or Methods Development. **PAR-17-290**

- URL: <https://grants.nih.gov/grants/guide/pa-files/PAR-17-290.html>

Initiation of a Mental Health Family Navigator Model to Promote Early Access, Engagement and Coordination of Needed Mental Health Services for Children and Adolescents (R01)

National Institutes of Health (NIH) - National Institute of Mental Health (NIMH)

Due Date: 10/5/2017 (Optional Letters of Intent due 30 days prior to application due date)

The purpose of this Funding Opportunity Announcement (FOA) is to encourage research applications to develop and test the effectiveness and implementation of family navigator models designed to promote early access, engagement and coordination of mental health treatment and services for children and adolescents who are experiencing early symptoms of mental health problems. For the purposes of this FOA, NIMH defines a family navigator model as a health care professional or paraprofessional whose role is to deploy a set of strategies designed to rapidly engage youth and families in needed treatment and services, work closely with the family and other involved treatment and service providers to optimize care and monitor the trajectory of mental health symptoms and outcomes over time. Applicants are encouraged to develop and test the navigator model's ability to promote early access, engagement and coordination of mental health treatment and services for children and adolescents as soon as symptoms are detected. Of interest are navigator models that coordinate needed care strategies, determine the "personalized match" to the level of needed service amount, frequency and intensity, and harness novel technologies to track and monitor the trajectory of clinical, functional and behavioral progress toward achieving intended services outcomes. This FOA is published in parallel to a companion R34 FOA PAR-17-266 supporting pilot studies in preparation for the larger-scale studies described here. **PAR-17-265**

- URL: <https://grants.nih.gov/grants/guide/pa-files/PAR-17-265.html>

NEW FACULTY / INVESTIGATOR

Young Investigator Award

Sigma Xi, The Scientific Research Society

Due Date: 10/1/2017

Since 1998, the annual Young Investigator Award recognizes excellence in research. The recipient is invited to present a lecture at the Sigma Xi Annual Meeting. The Young Investigator Award will alternate between the physical sciences and engineering, including mathematics (even numbered years) and the life and social science (odd numbered years).

- URL: <https://www.sigmaksi.org/programs/prizes-awards/young-investigator>

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

SOCIAL & BEHAVIORAL SCIENCES

Community Policing Development

U.S. Department of Justice (DOJ) - Office of Community Oriented Policing Services (COPS)

Due Date: 6/23/2017

CPD funds are used to advance the practice of community policing in law enforcement agencies through training and technical assistance, the development of innovative community policing strategies, applied research, guidebooks, and best practices that are national in scope. The COPS Office, a federal provider of innovative, customer-focused resources that address the continuing and emerging needs of those engaged in enhancing public safety through community policing, has designed the CPD solicitation to address critical topics in the law enforcement field by building on the principles of community policing. Proposals should be of national relevance, significantly advance the field of community policing, and demonstrate an understanding of community policing as it pertains to the application topic. Applications that represent partnerships between law enforcement agencies and university and nonprofit institutions are encouraged. Initiatives that primarily or solely benefit one or a limited number of law enforcement agencies or other entities will not be considered for funding.

COPS-COMMUNITY-POLICING-DEVELOPMENT-2017

- URL: <https://cops.usdoj.gov/default.asp?Item=2450>

National Service and Civic Engagement Research Competition

Corporation for National and Community Service (CNCS)

Due Date: 7/11/2017

The mission of CNCS is to improve lives, strengthen communities, and foster civic engagement through service and volunteering. CNCS has helped to engage millions of citizens in meeting community and national challenges through service and volunteer action. CNCS has a strong belief in the importance of scholarly research in order to identify effective strategies for national service and increase the evidence-base for its programs, as well as to increase the nation's understanding and knowledge about the importance and potential of strengthening civic infrastructure and increasing civic engagement in America. In order to conduct credible and meaningful research, CNCS is engaging the broader community of academic researchers involved in studying civic infrastructure and civic engagement and related concepts. CNCS's Office of Research and Evaluation (ORE) is seeking applications that build on existing research in the field, address gaps in knowledge, and provide new ideas and methodological approaches to the study of civic infrastructure, civic engagement, volunteering, national service, and other related concepts such as social capital. **CNCS-05-16-2017**

- URL: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=293872>

STUDENTS

Grants-in-Aid of Research (GIAR) Program

Sigma Xi, The Scientific Research Society

Due Date: 10/1/2017

The GIAR program has provided undergraduate and graduate students with valuable educational experiences since 1922. By encouraging close working relationships between students and mentors, the program promotes scientific excellence and achievement through hands-on learning. The program awards grants to students from all areas of the sciences and engineering. Research grants may be used to support scientific investigation in any field. Designated funds from the National Academy of Sciences allow for grants for astronomy research and for vision related research.

- URL: <https://www.sigmaksi.org/programs/grants-in-aid>