

Funding Bulletin

November 3rd, 2017 (Vol. 5, No. 3)

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](#)

[INTERNATIONAL](#)

[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/>

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	Nov 13	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>
NIH On-Demand Webinars – Meet the Experts	Nov 15	12:00 – 1:30 p.m.	405 Jardine	The National Institutes of Health (NIH)’s Center for Scientific Review provides helpful webinars on applying for NIH grant opportunities. Come and learn about NIH’s grants review process, early career review program, and the R15 AREA (Academic Research Enhancement Awards) program, which provides funding for small-scale research projects for institutions that have not received major NIH support. The goals of the AREA program are to 1) support meritorious research, 2) expose students to research and 3) strengthen the research environment of the institution. <i>Presenter: n/a – NIH Webinars. Registration is required.</i>
Research Compliance Open Lab	Nov 15	9:00 – 11:00 a.m.	Devlin Hall Innovation Hub	The Research Compliance Office will hold an open lab for questions regarding hiring foreign nationals; shipping or receiving items from outside the US; international travel; review of Research projects for export compliance; conflicts of interest & management plans. <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.



Grants Training in Haysville, KS - November 14-15, 2017

The Learning Center and Grant Writing USA will present a two-day grants workshop in Haysville, November 14-15, 2017. This training is applicable to grant seekers across all disciplines. Attend this class and you'll learn how to find grants and write winning grant proposals.

[Click here for full event details.](#)

Beginning and experienced grant writers from city, county and state agencies as well as nonprofits, K-12, colleges and universities are encouraged to attend.

Multi-enrollment discounts and discounts for Grant Writing USA returning alumni are available. Tuition payment is not required at the time of enrollment.

Tuition is \$455 and includes everything: two days of terrific instruction, workbook, and access to our Alumni Forum that's packed full of tools, helpful discussions and more than 200 sample grant proposals. Seating is limited, online reservations are necessary.

More information including learning objectives, class location, graduate testimonials and online registration is [available here](#).

Contacts:

Janet Darling

Grant Writing USA

888.290.6237

janet@grantwritingusa.com

Penny Schuckman

The Learning Center

316.554.2331 Ex. 101

pschuckman@usd261.com

More than 10,000 agencies across North America have turned to Grant Writing USA for grant writing and grant management training.

*****The views and opinions expressed by Grant Writing USA are strictly those of Grant Writing USA and in no way represent the views and opinions of the State of Kansas, the Kansas Board of Regents, or Wichita State University.*****



INTERNAL OPPORTUNITIES

The next available internal opportunity is: the Award for Research/Creative Projects (ARC) with a February 2, 2018 deadline.

Award for Research/Creative Projects (ARC)

Wichita State University

Due Date: 2/3/2017

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.

For more information, visit:

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

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 *eight* open limited submission competitions:**

(1) Rural Health Care Services Outreach Grant Program

United States Department of Health and Human Services (HHS) - Health Resources and Services Administration (HRSA) - Office of Rural Health Policy (ORHP)

Due Date: Internal NOIs 11/3/2017; Application 12/6/2017

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.

This notice solicits applications for the Rural Health Care Services Outreach Program (Outreach Program). The Outreach Program is a community-based grant program aimed towards promoting rural health care services by enhancing health care delivery in rural communities. Outreach projects focus on the improvement of access to services, strategies for adapting to changes in the health care environment, and overall enrichment of the respective community's health. Through a consortia of local health care and social service providers, rural communities can develop innovative approaches to challenges related to their specific health needs. Furthermore, the program creates an opportunity to address the key clinical priorities of the U.S. Department of Health and Human Services (HHS): serious mental illness, substance abuse, and childhood obesity. **HRSA-18-030 Multiple applications from an organization are not allowable.**

- URL: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=295218>

(2) EPSCoR Research Infrastructure Improvement Program: Track-2 Focused EPSCoR Collaborations (RII Track-2 FEC)

National Science Foundation (NSF) - Office of Experimental Program to Stimulate Competitive Research (EPSCoR)

Due Date: Internal NOIs 11/10/2017; Letter of Intent 11/27/2017; Full Proposal 1/26/2018

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. 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. RII Track-2 FEC builds interjurisdictional collaborative teams of EPSCoR investigators in scientific focus areas consistent with NSF priorities. Projects are investigator-driven and must include researchers from at least two RII-eligible jurisdictions with complementary expertise and resources necessary to tackle those projects, which neither party could address as well or rapidly alone. The Science, Technology, Engineering, and Mathematics (STEM) research and education activities should seek to broaden participation through the strategic inclusion and integration of different types of individuals, institutions, and sectors throughout the project. Proposals must describe a comprehensive and integrated vision to drive discovery and build sustainable STEM capacity that exemplifies diversity of all types (individual, institutional, geographic, and disciplinary). The development of diverse early-career faculty is a critical component of this sustainable STEM capacity. For FY 2018, RII Track-2 FEC proposals are invited on a single topic: "Understanding the relationship between genome and phenome". A single proposal is submitted for a project. Support for non-lead collaborating institutions should be requested as subawards. Separately submitted collaborative proposals are not allowed. Each

participating EPSCoR jurisdiction must have at least one co-PI on the project. Proposals that do not comply with these requirements will be considered not responsive, and will be returned without review. **NSF 18-502 Only one RII Track-2 FEC proposal may be submitted in response to this solicitation by an organization in an RII-eligible jurisdiction.**

- URL: <https://www.nsf.gov/pubs/2018/nsf18502/nsf18502.htm>

(3) National Science Foundation Research Traineeship Program (NRT)

National Science Foundation (NSF)

Due Date: Internal NOIs 11/17/2017; Letters of Intent 12/6/2017; Full Proposals 2/6/2018

The NSF Research Traineeship (NRT) program is designed to encourage the development and implementation of bold, new, and potentially transformative models for STEM graduate education training. The NRT program seeks proposals that explore ways for graduate students in research-based master's and doctoral degree programs to develop the skills, knowledge, and competencies needed to pursue a range of STEM careers. The program is dedicated to effective training of STEM graduate students in high priority interdisciplinary research areas, through the use of a comprehensive traineeship model that is innovative, evidence-based, and aligned with changing workforce and research needs. For FY2018, proposals are requested in any interdisciplinary research theme of national priority, with special emphasis on two high priority areas: (1) Harnessing the Data Revolution (HDR) and (2) Innovations at the Nexus of Food, Energy, and Water Systems (INFEWS). HDR is expected to continue as a priority research area for FY2019 and FY2020 competitions, along with a new priority area to be announced in 2018. The NRT program addresses workforce development, emphasizing broad participation, and institutional capacity building needs in graduate education. Strategic collaborations with the private sector, non-governmental organizations (NGOs), government agencies, national laboratories, field stations, teaching and learning centers, informal science centers, and academic partners are encouraged. NRT especially welcomes proposals that will pair well with the efforts of NSF INCLUDES to develop STEM talent from all sectors and groups in our society (https://www.nsf.gov/news/special_reports/nsfincludes/index.jsp). Collaborations are encouraged between NRT proposals and existing NSF INCLUDES projects, provided the collaboration strengthens both projects. **NSF 18-507 An eligible organization may participate in two proposals per competition.**

- URL: <https://www.nsf.gov/pubs/2018/nsf18507/nsf18507.htm>

(4) Major Research Instrumentation Program (MRI): Instrument Acquisition or Development

National Science Foundation (NSF)

Due Date: Internal NOIs 11/10/2017; Full Proposals 1/10/2018

The Major Research Instrumentation Program (MRI) serves to increase access to shared scientific and engineering instruments for research and research training in our Nation's institutions of higher education, not-for-profit museums, science centers and scientific/engineering research organizations. The program provides organizations with opportunities to acquire major instrumentation that supports the research and research training goals of the organization and that may be used by other researchers regionally or nationally. Each MRI proposal may request support for the acquisition (Track 1) or development (Track 2) of a single research instrument for shared inter- and/or intra-organizational use. Development efforts that leverage the strengths of private sector partners to build instrument development capacity at MRI submission-eligible organizations are encouraged. The MRI program assists with the acquisition or development of a shared research instrument that is, in general, too costly and/or not appropriate for support through other NSF programs. The program does not fund research projects or provide ongoing support for operating or maintaining facilities or centers. The instrument acquired or developed is expected to be operational for regular research use by the end of the award period. For the purposes of the MRI program, a proposal must be for either acquisition (Track 1) or development (Track 2) of a single, well-integrated instrument. The MRI program does not support the acquisition or development of a suite of instruments to outfit research laboratories or facilities, or that can be used to conduct independent research activities simultaneously. The participating NSF components are the Office of Integrative Activities (OIA); the Directorate for Biological Sciences (BIO); the Directorate for Computer and Information Science and Engineering (CISE); the Directorate for Education and Human Resources (EHR); the Directorate for Engineering (ENG); the Directorate for Geosciences (GEO); the Directorate for Mathematical and Physical Sciences (MPS); and the Directorate for Social, Behavioral, and Economic Sciences (SBE). **NSF 15-504** *The MRI program requires that an MRI-eligible organization may, as a performing organization, submit or be included as a significantly funded¹ subawardee in no more than three MRI proposals. To promote instrumentation development, the program requires that if an organization submits or is included as a significantly funded¹ subawardee in three MRI proposals, at least one of the three proposals must be for (Track 2) instrument development.*

- URL: <https://www.nsf.gov/pubs/2015/nsf15504/nsf15504.htm>

(5) Collaborative Program Grant for Multidisciplinary Teams (RM1) (Clinical Trial Not Allowed)
National Institutes of Health (NIH)

Due Date: Internal NOIs 11/17/2017; Letter of Intent 12/26/2017; Application 1/25/2018

This FOA is designed to support highly integrated research teams of three to six PD/PIs to address ambitious and challenging research questions that are important for the mission of NIGMS and are beyond the scope of an individual or a few investigators. Collaborative program teams are expected to accomplish goals that require considerable synergy and managed team interactions. Project goals

should not be achievable with a collection of individual efforts or projects. Teams are encouraged to consider far-reaching objectives that will produce major advances in their fields. Successful Collaborative Program Grant applications will bring together scientists to apply complementary approaches to work on an important and well-defined problem. Applications may address any area of science within the NIGMS mission, which is to support basic research that increases understanding of biological processes at a range of levels, from molecules and cells to tissues, whole organisms and populations. NIGMS also supports research in a limited number of clinical areas that affect multiple organ systems. Truly new interdisciplinary ideas for approaching significant biological problems are encouraged. Applications that bridge the research interests of more than one NIGMS division are also encouraged, but must remain within the scope of the NIGMS mission. Consultation with NIGMS staff prior to preparing an application is strongly encouraged. Applications that are mainly focused on the creation, expansion, and/or maintenance of community resources, creation of new technologies or infrastructure development are not appropriate for this FOA. Clinical trials are not allowed for this FOA. **PAR-17-340 Only one application per institution per review cycle is allowed.**

- URL: <https://grants.nih.gov/grants/guide/pa-files/PAR-17-340.html>

(6) Partnerships for Research and Education in Materials (PREM)

National Science Foundation (NSF)

Due Date: Internal NOIs 12/15/2017; Full Proposal 1/29/2018

The DMR Partnerships for Research and Education in Materials Research (PREM) program aims to enable, build, and grow partnerships between minority-serving institutions and DMR-supported centers and/or facilities to increase recruitment, retention and degree attainment (which defines the PREM pathway) by members of those groups most underrepresented in materials research, and at the same time support excellent research and education endeavors that strengthen such partnerships. **NSF 17-599 Limit one proposal per organization.**

- URL: <https://www.nsf.gov/pubs/2017/nsf17599/nsf17599.htm>

(7) Grants

Honda Corporate - American Honda Foundation

Due Date: Internal NOI 12/15/2017; Application 2/1/2018

The American Honda Foundation engages in grant making that reflects the basic tenets, beliefs and philosophies of Honda companies, which are characterized by the following qualities: imaginative, creative, youthful, forward-thinking, scientific, humanistic and innovative. We support youth education



with a specific focus on the STEM (science, technology, engineering and mathematics) subjects in addition to the environment.

Funding Priorities:

Youth education, specifically in the areas of science, technology, engineering, mathematics, the environment, job training and literacy.

Organizations may only submit one request in a 12-month period. This includes colleges and universities with several departments/outreach programs.

- URL: <https://www.honda.com/community/applying-for-a-grant>

(8) Camille Dreyfus Teacher-Scholar Award

Camille and Henry Dreyfus Foundation, Inc.

Due Date: Internal NOIs 12/8/2017; Nomination 2/8/2018

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

- URL: http://www.dreyfus.org/awards/camille_dreyfus_teacher_award.shtml

GENERAL

Volvo Environment Prize

Volvo Environment Prize Foundation

Due Date: 1/10/2018

The Volvo Environment Prize is presented by an independent foundation with the purpose of rewarding outstanding scientific discoveries or innovations which in broad terms fall within the environmental field. The span of disciplines and activities for which nominations can be made is wide and includes all disciplines which have relevance to the environment. The research of nominees should be based on scientific grounds but must clearly show impacts outside of the specific discipline.

- URL: <http://www.environment-prize.com/the-prize/the-prize/>

Science of Learning (SL)

National Science Foundation (NSF)

Due Date: 1/17/2018, 7/11/2018

The Science of Learning program supports potentially transformative basic research to advance the science of learning. The goals of the SL Program are to develop basic theoretical insights and fundamental knowledge about learning principles, processes and constraints. Projects that are integrative and/or interdisciplinary may be especially valuable in moving basic understanding of learning forward but research with a single discipline or methodology is also appropriate if it addresses basic scientific questions in learning. The possibility of developing connections between proposed research and specific scientific, technological, educational, and workforce challenges will be considered as valuable broader impacts, but are not necessarily central to the intellectual merit of proposed research. The program will support research addressing learning in a wide range of domains at one or more levels of analysis including: molecular/cellular mechanisms; brain systems; cognitive affective, and behavioral processes; and social/cultural influences. The program supports a variety of methods including: experiments, field studies, surveys, secondary-data analyses, and modeling. **PD 16-004Y**

- URL: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5567

ARTS & HUMANITIES

Linguistics Program

National Science Foundation (NSF)

Due Date: 1/16/2018, 7/16/2018

The program supports basic science in the domain of human language, encompassing investigations of the grammatical properties of individual human languages, and of natural language in general. Research areas include syntax, semantics, morphology, phonetics, and phonology.

PD 98-1311

The program encourages projects that are interdisciplinary in methodological or theoretical perspective, and that address questions that cross disciplinary boundaries, such as (but not limited to):

- What are the psychological processes involved in the production, perception, and comprehension of language?
- What are the computational properties of language and/or the language processor that make fluent production, incremental comprehension or rapid learning possible?
- How do the acoustic and physiological properties of speech inform our theories of language and/or language processing?
- What role does human neurobiology play in shaping the various components of our linguistic capacities?
- How does language develop in children?
- What social and cultural factors underlie language variation and change?

- URL: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5408

EDUCATION

Dear Colleague Letter: Research on Methodologies for STEM Education
National Science Foundation (NSF 17-136)

- URL: https://www.nsf.gov/pubs/2017/nsf17136/nsf17136.jsp?WT.mc_id=USNSF_25&WT.mc_ev=click

Dear Colleague Letter: Principles for the Design of Digital Science Technology, Engineering, and Mathematics (STEM) Learning Environments
National Science Foundation (NSF 18-017)

- URL: https://www.nsf.gov/pubs/2018/nsf18017/nsf18017.jsp?WT.mc_id=USNSF_25&WT.mc_ev=click

Grants

Caplan Foundation for Early Childhood

Due Date: Letters of Inquiry 1/31/2018, 9/30/2018

The Foundation is intended to be an incubator of promising research and development projects that may ultimately enhance the development, health, safety, education or quality of life of children from infancy through seven years of age across the country. Each of its grants is made with the expectation that a successful project outcome will be of significant interest to other investigators or developers, within the grantee's field of endeavor, and will be amenable to beneficial application or adaptation elsewhere. In essence, the foundation's goal is to provide seed money for those imaginative endeavors, addressed to the needs of young children, which appear most likely to bear fruit on a national scale.

The Foundation provides funding in the following areas:

1. Early Childhood Welfare
2. Early Childhood Education and Play
3. Parenting Education

- URL: <http://earlychildhoodfoundation.org/>

ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

Dear Colleague Letter: Principles for the Design of Digital Science Technology, Engineering, and Mathematics (STEM) Learning Environments

National Science Foundation (NSF 18-017)

- URL: https://www.nsf.gov/pubs/2018/nsf18017/nsf18017.jsp?WT.mc_id=USNSF_25&WT.mc_ev=click

Dear Colleague Letter: Joint NSF/ENG and AFOSR Funding Opportunity: Supporting Fundamental Research in the Quantitative Representation of Microstructures (QRM)

National Science Foundation (NSF 18-018)

- URL: https://www.nsf.gov/pubs/2018/nsf18018/nsf18018.jsp?WT.mc_id=USNSF_25&WT.mc_ev=click

Scientific Infrastructure Support for CINR Funding Opportunity Announcement

United States Department of Energy (DOE)

Due Date: 11/30/2017

The Department of Energy's (DOE) Office of Nuclear Energy (NE) conducts crosscutting nuclear energy research and development (R&D) and associated infrastructure support activities to develop innovative technologies that offer the promise of dramatically improved performance for advanced reactors and fuel cycle concepts while maximizing the impact of DOE resources. The development of nuclear energy-related infrastructure and basic capabilities in the research community is necessary to promote R&D that supports nuclear science and engineering (NS&E), DOE-NE's mission, and the Nation's nuclear energy challenges. Accordingly, DOE intends to enable the education and training of nuclear scientists, engineers, and policy-makers in graduate and undergraduate study and two-year programs, as well as R&D that is relevant to the Department and the nuclear energy industry in general. **DE-FOA-0001773**

The Nuclear Energy University Program (NEUP) utilizes up to 20 percent of funds appropriated to NE's R&D program for university-based infrastructure support and R&D in key NE program-related areas:

1. Fuel Cycle Research and Development (FC R&D)
2. Reactor Concepts Research, Development and Demonstration (RC RD&D)
3. Nuclear Energy Advanced Modeling and Simulation (NEAMS)

- URL: <https://www.grants.gov/custom/viewOppDetails.jsp?oppId=298026>

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.

Computational Mathematics

National Science Foundation (NSF)

Due Date: 12/1/2017

Supports mathematical research in areas of science where computation plays a central and essential role, emphasizing analysis, development and implementation of numerical methods and algorithms, and symbolic methods. The prominence of computation with analysis and ultimate implementation efficiency of the computational methods in the research is a hallmark of the program. Proposals ranging from single-investigator projects that develop and analyze innovative computational methods to interdisciplinary team projects that not only create and analyze new mathematical and computational techniques but also use/implement them to model, study, and solve important application problems are strongly encouraged. Principal Investigators should carefully read the program solicitation "Conferences and Workshops in the Mathematical Sciences" to obtain important information regarding the substance of proposals for conferences, workshops, summer/winter schools, and similar activities. **PD 16-1271**

- URL: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5390

Mathematical Sciences Infrastructure Program (DMS Infrastructure Program)

National Science Foundation (NSF)

Due Date: Training Proposals 12/6/2017 (Proposals that do not deal with training accepted anytime)

The major aim of the DMS Infrastructure Program is to foster the continuing health of the mathematical sciences research community as a whole. Hence, the program supports projects that positively influence the entire community, most often those cutting across multiple sub-disciplines. Activities funded include working research sessions, such as conferences and symposia, as well as larger initiatives focused on enhancing and developing the mathematical sciences at the national scale. In addition, the Program will support a limited number of unsolicited training projects aimed at the undergraduate, graduate, or postdoctoral levels that include a core mathematical sciences research component for trainees. The Program seeks to fund novel projects that can have a large impact by promoting partnerships, broadening participation, and/or serving as models to be replicated. Training activities that fit into other DMS offerings, such as the solicitations in the DMS Workforce Program (Research Training Groups in the Mathematical Sciences, Mathematical Sciences Postdoctoral Research Fellowships, Enriched Doctoral Training in the Mathematical Sciences, or Research Experiences for Undergraduates Sites), should be submitted to those solicitations. **PD 04-1260**

- URL: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12756

Campus Cyberinfrastructure (CC*)

National Science Foundation (NSF)

Due Date: 1/30/2018

The Campus Cyberinfrastructure (CC*) program invests in coordinated campus-level networking improvements, innovation, integration, and engineering for science applications and distributed research projects. Learning and workforce development (LWD) in cyberinfrastructure is explicitly addressed in the program. Science-driven requirements are the primary motivation for any proposed activity. **NSF 18-508**

CC* awards will be supported in four program areas:

- (1) Data Driven Networking Infrastructure for the Campus and Researcher;
- (2) Network Design and Implementation for Small Institutions;
- (3) Network Integration and Applied Innovation; and
- (4) Network Performance Engineering and Outreach

- URL: <https://www.nsf.gov/pubs/2018/nsf18508/nsf18508.htm>

International Research Experiences for Students (IRES)

National Science Foundation (NSF)

Due Dates: 1/30/2018 (Track – I: IRES Sites), 2/6/2018, 2/13/2018 (Track – III: New Concepts in International Graduate Experience)

The International Research Experiences for Students (IRES) program supports international research and research-related activities for U.S. science and engineering students. The IRES program contributes to development of a diverse, globally-engaged workforce with world-class skills. IRES focuses on active research participation by undergraduate or graduate students in high quality international research, education and professional development experiences in NSF-funded research areas. The overarching, long-term goal of the IRES program is to enhance U.S. leadership in research and education and to strengthen economic competitiveness through training the next generation of research leaders. This solicitation features three mechanisms; proposers are required to select one of the following tracks to submit their proposal. **NSF 18-505**

Track I focuses on the development of world-class research skills in international cohort experiences. **Track II** is dedicated to targeted, intensive learning and training opportunities that leverage international knowledge at the frontiers of research. **Track III** calls for U.S. institutional partnerships and coalitions to develop and evaluate innovative models for high-impact, large-scale international research and professional development experiences for graduate students, as individuals or groups.

(1) IRES - Track I: IRES Sites (IS) projects engage a group of undergraduate and/or graduate students in active high quality collaborative research at an international site with mentorship from researchers at a host lab. IRES Sites must be organized around a coherent intellectual theme that may involve a single discipline or multiple disciplines funded by NSF.

(2) IRES - Track II: Advanced Studies Institutes (ASI) are intensive short courses with related activities that engage advanced graduate students in active learning and research at the frontiers of knowledge. ASIs typically range in length from ten to twenty-one days and must be held outside the United States. ASIs must have a compelling rationale for their international location and should involve distinguished active researchers in the target field from the U.S. and abroad. ASIs should enable students to develop skills and broaden professional networks, leveraging international participation and complementary resources (expertise, facilities, data, field site, etc.) for mutual benefit.

(3) IRES - Track III: New Concepts in International Graduate Experience (IGE) projects propose, implement, and evaluate creative ideas for catalyzing the development of globally engaged U.S. scientists and engineers at the graduate student level. The IGE IRES track invites professional societies and organizations in the U.S. directly associated with science and engineering education or research activities to propose innovative large-scale programs to provide high-quality international research and/or research-related professional development experiences for U.S. graduate students as individuals or groups. The proposed experiences should enhance transferable skills and expand professional networks. Graduate students recruited from a broad, diverse applicant pool should travel to non-U.S. locations for periods of several weeks to a semester for immersive experiences under the mentorship of appropriate collaborators in the U.S. and foreign locations. The proposed international professional development model may focus on research or research-related activities in any NSF-funded area(s). Proposals that utilize, leverage and potentially expand existing global networks and infrastructure are encouraged.

- URL: <https://nsf.gov/pubs/2018/nsf18505/nsf18505.htm>

HEALTH, LIFE & EARTH SCIENCES

FY 2019 Wheat Research RFP

Kansas Wheat Commission

Due Date: Letters of Intent 11/30/2017

The Kansas Wheat Commission (KWC), Kansas Wheat Alliance (KWA) and Kansas Crop Improvement Association (KCIA) are now seeking research proposals for FY 2019 (July 1, 2018 – June 30, 2019).

The following research goals of KWC should be taken into consideration when submitting proposals.

- Focus research by selecting research initiatives that support the industry's ability to gain and sustain market share profitably in both domestic and international markets.
- Educate Kansas wheat producers to adopt technologies that are shown by research and development to be profitable.
- Cooperate with the wheat supply chain to adopt and implement technologies and innovations that support the profitability of Kansas wheat producers.
-

The following are specific areas of research focus/interest – this is not all-inclusive:

- New Variety Development
- Production
- Trait Discovery and Genetics
- Testing Methods and Procedures
- Value-Added Uses
- Consumer Preferences

- URL: <http://kswheat.com/research>

SFARI Pilot and Research Awards

Simons Foundation - Simons Foundation Autism Research Initiative (SFARI)

Due Date: Letters of Intent 12/1/2017; Full Proposals 2/26/2018

The mission of the Simons Foundation Autism Research Initiative (SFARI) is to improve the understanding, diagnosis and treatment of autism spectrum disorders (ASD) by funding innovative research of the highest quality and relevance. Grants awarded through this RFA will fund a broad range of ASD-relevant science. The Foundation is seeking applications that are grounded in biology and will complement their grants portfolio, which aims to connect autism etiology to brain function and behavior. Considering SFARI's significant efforts targeted at understanding the genetics of ASD, the Foundation encourages applications that propose research to link genetic or other ASD risk factors to

molecular, cellular, circuit or behavioral mechanisms of ASD. Access to the Simons Simplex Collection (SSC), Simons Variation in Individuals Project (Simons VIP) and SPARK cohort - resources of phenotypic data, genetic data and in some cases biospecimens - will be given to all approved scientists through SFARI Base. The Foundation encourages applications from researchers who are not currently working on autism but who have expertise that could be brought to bear on this complex disorder. They will also accept applications for collaborative grants involving multiple investigators. The Foundation offers Pilot and Research Awards. Pilot Awards are for innovative, high-impact proposals requesting support for small-scale projects or early-stage experiments that will build on preliminary data or a prior track record and lead to competitive applications for funding by SFARI or other organizations. Investigators new to the field of autism are encouraged to apply for Pilot Awards. Research Awards are for competitive proposals from investigators with demonstrated expertise requesting support for compelling, high-impact research on experimental hypotheses for which, in most cases, preliminary data have already been gathered. The foundation will also consider projects focusing on a central hypothesis where success depends on close collaboration between two or more labs.

- URL: <https://www.sfari.org/grant/pilot-and-research-awards-request-for-applications/>

Technology Awards (Technological Innovations in Neuroscience)

McKnight Endowment Fund for Neuroscience

Due Date: Letters of Intent 12/4/2017; Full Proposals 4/23/2018

The McKnight Endowment Fund for Neuroscience supports innovative research designed to bring science closer to the day when diseases of the brain can be accurately diagnosed, prevented, and treated. To this end, the McKnight Endowment Fund for Neuroscience invites applications for the 2018 McKnight Scholar Awards. These awards were established to encourage emerging neuroscientists to focus on disorders of learning and memory. Applicants for the McKnight Scholar Award must demonstrate interest in solving important problems in relevant areas of neuroscience, including the translation of basic research to clinical neuroscience. Awards are given to exceptional young scientists who hold the M.D. and/or Ph.D. degree and who are in the early stages of establishing an independent laboratory and research career. Traditionally, successful candidates have held faculty positions for at least one year.

- URL: <https://www.neuroscience.mcknight.org/newsroom/upcoming-deadlines/deadline-2018-technology-awards>

Volvo Environment Prize

Volvo Environment Prize Foundation

Due Date: 1/10/2018

The Volvo Environment Prize is presented by an independent foundation with the purpose of rewarding outstanding scientific discoveries or innovations which in broad terms fall within the environmental field. The span of disciplines and activities for which nominations can be made is wide and includes all disciplines which have relevance to the environment. The research of nominees should be based on scientific grounds but must clearly show impacts outside of the specific discipline.

- URL: <http://www.environment-prize.com/the-prize/the-prize/>

Enabling Discovery through GENomic Tools

National Science Foundation (NSF)

Due Date: 2/1/2018

The Division of Integrative Organismal Systems (IOS) continues to support the Enabling Discovery through GENomic Tools (EDGE) program, previously a component of the IOS Core Programs solicitation (NSF 16-505). EDGE is designed to provide support for research addressing current impediments to research progress in organismal biology. In particular, the ability to directly test gene function is essential to improve understanding of the genomes-to-phenomes relationship, an area relevant to Understanding the Rules of Life, one of 10 Big Ideas for future NSF investment (https://www.nsf.gov/about/congress/reports/nsf_big_ideas.pdf). EDGE projects should focus on development of functional genomic tools, approaches, and associated infrastructure to enable direct tests of hypotheses about gene function in diverse organisms for which such tools and infrastructure are presently unavailable. EDGE proposals must include training and rapid dissemination plans enabling larger communities of investigators to utilize the newly-developed tools, thereby catalyzing an increase in the capacity of research communities to test cause-and-effect hypotheses about genes and phenotypes in organisms for which such tools and infrastructure are presently lacking. **NSF 18-506**

- URL: <https://www.nsf.gov/pubs/2018/nsf18506/nsf18506.htm>

Research on Transgender Health

National Institutes of Health (NIH)

Due Date: Standard NIH due dates apply (see below for specific mechanism)

This funding opportunity announcement (FOA) calls for research on the health of transgender and gender nonconforming people of all ages, including both youth and adults who are questioning their gender identity and those individuals who are making or who have made a transition from being identified as one gender to the other. This group encompasses individuals whose gender identity differs from the sex on their original birth certificate or whose gender expression varies significantly from what is traditionally associated with or typical for that sex.

R01 (PA-17-478) Due Dates: 2/5/2018, 6/5/2018, 10/5/2018

- URL: <https://grants.nih.gov/grants/quide/pa-files/PA-17-478.html>

R21 (PA-17-477) Due Dates: 2/16/2018, 6/16/2018, 10/16/2018

- URL: <https://grants.nih.gov/grants/quide/pa-files/PA-17-477.html>

INTERNATIONAL

International Research Experiences for Students (IRES)

National Science Foundation (NSF)

Due Dates: 1/30/2018 (Track – I: IRES Sites), 2/6/2018, 2/13/2018 (Track – III: New Concepts in International Graduate Experience)

The International Research Experiences for Students (IRES) program supports international research and research-related activities for U.S. science and engineering students. The IRES program contributes to development of a diverse, globally-engaged workforce with world-class skills. IRES focuses on active research participation by undergraduate or graduate students in high quality international research, education and professional development experiences in NSF-funded research areas. The overarching, long-term goal of the IRES program is to enhance U.S. leadership in research and education and to

strengthen economic competitiveness through training the next generation of research leaders. This solicitation features three mechanisms; proposers are required to select one of the following tracks to submit their proposal. **NSF 18-505**

Track I focuses on the development of world-class research skills in international cohort experiences. **Track II** is dedicated to targeted, intensive learning and training opportunities that leverage international knowledge at the frontiers of research. **Track III** calls for U.S. institutional partnerships and coalitions to develop and evaluate innovative models for high-impact, large-scale international research and professional development experiences for graduate students, as individuals or groups.

(1) IRES - Track I: IRES Sites (IS) projects engage a group of undergraduate and/or graduate students in active high quality collaborative research at an international site with mentorship from researchers at a host lab. IRES Sites must be organized around a coherent intellectual theme that may involve a single discipline or multiple disciplines funded by NSF.

(2) IRES - Track II: Advanced Studies Institutes (ASI) are intensive short courses with related activities that engage advanced graduate students in active learning and research at the frontiers of knowledge. ASIs typically range in length from ten to twenty-one days and must be held outside the United States. ASIs must have a compelling rationale for their international location and should involve distinguished active researchers in the target field from the U.S. and abroad. ASIs should enable students to develop skills and broaden professional networks, leveraging international participation and complementary resources (expertise, facilities, data, field site, etc.) for mutual benefit.

(3) IRES - Track III: New Concepts in International Graduate Experience (IGE) projects propose, implement, and evaluate creative ideas for catalyzing the development of globally engaged U.S. scientists and engineers at the graduate student level. The IGE IRES track invites professional societies and organizations in the U.S. directly associated with science and engineering education or research activities to propose innovative large-scale programs to provide high-quality international research and/or research-related professional development experiences for U.S. graduate students as individuals or groups. The proposed experiences should enhance transferable skills and expand professional networks. Graduate students recruited from a broad, diverse applicant pool should travel to non-U.S. locations for periods of several weeks to a semester for immersive experiences under the mentorship of appropriate collaborators in the U.S. and foreign locations. The proposed international professional development model may focus on research or research-related activities in any NSF-funded area(s). Proposals that utilize, leverage and potentially expand existing global networks and infrastructure are encouraged.

- URL: <https://nsf.gov/pubs/2018/nsf18505/nsf18505.htm>

NEW FACULTY / INVESTIGATOR

McKnight Scholar Awards

McKnight Endowment Fund for Neuroscience

Due Date: 1/8/2018

The McKnight Endowment Fund for Neuroscience supports innovative research designed to bring science closer to the day when diseases of the brain can be accurately diagnosed, prevented, and treated. To this end, the McKnight Endowment Fund for Neuroscience invites applications for the 2018 McKnight Scholar Awards. These awards were established to encourage emerging neuroscientists to focus on disorders of learning and memory. Applicants for the McKnight Scholar Award must demonstrate interest in solving important problems in relevant areas of neuroscience, including the translation of basic research to clinical neuroscience.

- URL: <https://www.neuroscience.mcknight.org/newsroom/upcoming-deadlines/deadline-2018-mcknight-scholar-awards>

Advancing Academic-Research Careers (AARC) Award

American Speech-Language-Hearing Association (ASHA)

Due Date: 4/15/2018

AARC Award is intended to support the academic-research careers of junior-level faculty in the field of communication sciences and disorders (CSD). Unlike a traditional research grant that only focuses on research, the AARC Award funds proposals that include both a teaching and a research component. One of ASHA's strategic objectives is to increase the generation of clinical practice research needed to support evidence-based practice. In support of this objective, two awards will be dedicated to applications that focus on clinical practice research. Clinical practice research in CSD is distinct from research aimed primarily at understanding the mechanisms underlying normal or disordered processing. Rather, it refers to research that focuses on the prevention, diagnostics, treatment, implementation, and outcomes measurement of communication, swallowing, and balance disorders. Clinical practice research, due to its applied nature, has the potential to impact clinical practice in the near term. Applicants work in conjunction with mentors to develop mentored teaching and research plans tailored to the applicant's career stage. The plans - which propose specific teaching and research activities that will be completed under the guidance of the mentors during the 18-month funding period - are submitted as part of the AARC application.

- URL: <https://www.asha.org/students/AARC-Award/>

SOCIAL & BEHAVIORAL SCIENCES

Developmental Sciences (DS)

National Science Foundation (NSF)

Due Date: 1/16/2018, 7/16/2018

DLS supports fundamental research that increases our understanding of cognitive, linguistic, social, cultural, and biological processes related to children's and adolescents' development and learning. Research supported by this program will add to our basic knowledge of how people learn and the underlying developmental processes that support learning, social functioning, and productive lives as members of society. DLS supports research that addresses developmental processes within the domains of cognitive, social, emotional, and motor development using any appropriate populations for the topics of interest including infants, children, adolescents, adults, and non-human animals. The program also supports research investigating factors that impact development change including family, peers, school, community, culture, media, physical, genetic, and epigenetic influences. Additional priorities include research that: incorporates multidisciplinary, multi-method, microgenetic, and longitudinal approaches; develops new methods, models, and theories for studying learning and development; includes participants from a range of ethnicities, socioeconomic backgrounds, and cultures; and integrates different processes (e.g., learning, memory, emotion), levels of analysis (e.g., behavioral, social, neural), and time scales (e.g. infancy, middle childhood, adolescence). The DLS program also accepts proposals for workshops and small conferences. **PD 08-1698**

- URL: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=8671

Research on the Science and Technology Enterprise: Statistics and Surveys - R&D, U.S. S&T Competitiveness, STEM Education, S&T Workforce

National Science Foundation (NSF)

Due Date: 1/16/2018

The National Center for Science and Engineering Statistics (NCSES) of the National Science Foundation (NSF) is one of the thirteen principal federal statistical agencies within the United States. It is responsible for the collection, acquisition, analysis, reporting and dissemination of objective, statistical data related to the science and engineering enterprise in the United States and other nations that is relevant and useful to practitioners, researchers, policymakers and the public. NCSES uses this information to prepare a number of statistical data reports as well as analytical reports including the National Science Board's biennial report, Science and Engineering (S&E) Indicators, and Women, Minorities and Persons with Disabilities in Science and Engineering. The Center would like to enhance

its efforts to support analytic and methodological research in support of its surveys, and to engage in the education and training of researchers in the use of large-scale nationally representative datasets. NCSES welcomes efforts by the research community to use NCSES data for research on the science and technology enterprise, to develop improved survey methodologies for NCSES surveys, to create and improve indicators of S&T activities and resources, and strengthen methodologies to analyze and disseminate S&T statistical data. To that end, NCSES invites proposals for individual or multi-investigator research projects, doctoral dissertation improvement awards, workshops, experimental research, survey research and data collection and dissemination projects under its program for Research on the Science and Technology Enterprise: Statistics and Surveys. **NSF 15-521**

- URL: <https://nsf.gov/pubs/2015/nsf15521/nsf15521.htm>

Social Psychology Program

National Science Foundation (NSF)

Due Date: 1/16/2018, 7/16/2018

The program supports basic research on human social behavior, including cultural differences, and development over the life span. Among the many research topics supported are attitude formation and change, social cognition, personality processes, interpersonal relations and group processes, the self, emotion, social comparison and social influence, and the psychophysiological and neurophysiological bases of social behavior. PD 98-1332

The scientific merit of a proposal depends on four important factors:

1. The problems investigated must be theoretically grounded.
2. The research should be based on empirical observation or be subject to empirical validation.
3. The research design must be appropriate to the questions asked.
4. The proposed research must advance basic understanding of social behavior.

- URL: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5712

Law & Social Sciences (LSS)

National Science Foundation (NSF)

Due Date: 1/17/2018, 8/1/2018

The Law & Social Sciences Program considers proposals that address social scientific studies of law and law-like systems of rules. The Program is inherently interdisciplinary and multi-methodological. Successful proposals describe research that advances scientific theory and understanding of the

connections between law or legal processes and human behavior. Social scientific studies of law often approach law as dynamic, made in multiple arenas, with the participation of multiple actors. **NSF 15-514**

Fields of study include many disciplines, and often address problems including though not limited to:

Crime, Violence and Punishment
Economic Issues
Governance
Legal Decision Making
Legal Mobilization and Conceptions of Justice
Litigation and the Legal Profession

LSS provides the following modes of support:

Standard Research Grants and Grants for Collaborative Research
Doctoral Dissertation Research Improvement Grants
Interdisciplinary Postdoctoral Fellowships
Workshop and Conference Awards

- URL: <https://www.nsf.gov/pubs/2015/nsf15514/nsf15514.htm>

Economics Program

National Science Foundation (NSF)

Due Date: 1/18/2018, 8/20/2018

The program supports research designed to improve the understanding of the processes and institutions of the U.S. economy and of the world system of which it is a part. This program also strengthens both empirical and theoretical economic analysis as well as the methods for rigorous research on economic behavior. It supports research in almost every area of economics, including econometrics, economic history, environmental economics, finance, industrial organization, international economics, labor economics, macroeconomics, mathematical economics, and public finance. The Economics program welcomes proposals for individual or multi-investigator research projects, doctoral dissertation improvement awards, conferences, workshops, symposia, experimental research, data collection and dissemination, computer equipment and other instrumentation, and research experience for undergraduates. The program places a high priority on interdisciplinary research. Investigators are encouraged to submit proposals of joint interest to the Economics Program and other NSF programs and NSF initiative areas. The program places a high priority on broadening participation and encourages proposals from junior faculty, women, other underrepresented minorities, Research Undergraduate Institutions, and EPSCoR states. The program also funds

conferences and interdisciplinary research that strengthens links among economics and the other social and behavioral sciences as well as mathematics and statistics.

The Doctoral Dissertation Research Improvement Grants funding opportunity is designed to improve the quality of dissertation research. DDRIG awards provide funds for items not normally available through the student's university such as enabling doctoral students to undertake significant data-gathering projects and to conduct field research in settings away from their campus. DDRIGs do not provide cost-of-living or other stipends or tuition. Outstanding DDRIG proposals specify how the knowledge to be created advances economics science. Proposals for Doctoral Dissertation Research Improvement Grants (DDRIGS) in Economics should follow the directions for submissions in the Grant Proposal Guide (GPG). **PD 98-1320**

- URL: https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5437

Steven H. Sandell Grant Program in Retirement Research

Boston College (BC) - Center for Retirement Research (CRR) at Boston College

Due Date: 1/31/2018

The Center for Retirement Research sponsors the annual Steven H. Sandell Grant Program for scholars in the field of retirement research and policy. The program is funded by the U.S. Social Security Administration to provide opportunities for junior scholars or senior scholars in a new area from all academic disciplines to pursue cutting-edge projects on retirement income issues.

Priority areas include:

- Social Security
- Macroeconomic analyses of Social Security
- Wealth and retirement income
- Program interactions
- International research
- Demographic research

- URL: <http://crr.bc.edu/about-us/grant-programs/steven-h-sandell-grant-program-2/>

STUDENTS

International Fellowships

American Association of University Women (AAUW)

Due Date: 12/1/2017

International Fellowships are awarded for full-time study or research in the United States to women who are not U.S. citizens or permanent residents. Both graduate and postgraduate studies at accredited U.S. institutions are supported. Recipients are selected for academic achievement and demonstrated commitment to women and girls. Recipients return to their home countries to become leaders in business, government, academia, community activism, the arts, and sciences. Fellowships are available for study in the USA. A limited number of awards are available to women who are members of the International Federation of University Women for study in any country other than their own. Originally designed to provide Latin American women opportunities for graduate and postgraduate study in the United States, the International Fellowships program awarded its first fellowship in 1917. The program now includes women from around the world, and International Fellowships have been awarded to more than 3,400 women from more than 140 nations.

- URL: <https://www.aauw.org/what-we-do/educational-funding-and-awards/international-fellowships/>

Scholarships

Broadcast Music, Inc. (BMI) - BMI Foundation, Inc.

Due Date: 2/1/2018

The Foundation will administer seven distinct scholarship competitions that span all genres of American music and are aided by panelists of international musical acclaim. These annual programs include the BMI Founders Award for Radio Broadcasting, BMI Future Jazz Master Scholarship, BMI Student Composer Awards, John Lennon Scholarships, Nashville Songwriting Scholarship, peermusic Latin Scholarship, and Woody Guthrie Fellowship.

- URL: https://bmifoundation.org//news/story/bmi_foundation_launches_2017_scholarship_season