

## Funding Bulletin

January 12<sup>th</sup>, 2017 (Vol. 5, No. 7)

### Funding Information

To receive funding information, please contact [funding@wichita.edu](mailto: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](mailto:funding@wichita.edu). Leave the subject line blank. In the message area, type: *sub funding bulletin*. To unsubscribe, type: *unsub funding bulletin*.

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

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

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### How to Apply

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

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

## OFFICE OF RESEARCH WORKSHOPS

For more information contact Kendra Nguyen at [kendra.nguyen@wichita.edu](mailto:kendra.nguyen@wichita.edu) or 978-3285.

For complete schedule go to: <http://webs.wichita.edu/?u=wsuresearchadmin&p=/researchworkshops/>

WORKSHOP TITLE	DATE	TIME	ROOM	DESCRIPTION
<b>IRB Open Lab</b>	Jan 18	9:30 – 11:00 a.m.	409E Jardine	The IRB Administrator will be holding Open Labs this spring for Faculty, Staff or Students who have questions about the new forms or about their study in general. <b><i>This is a come and go lab with no registration required.</i></b>
<b>Brown Bag Workshop: Conflicts of Interest &amp; Time Commitments</b>	Jan 23	12:00 – 1:30 p.m.	405 Jardine	This workshop will provide an overview of WSU policy, the disclosure process, management plans and examples of conflicts of interest from academic settings that have made headlines. Please bring your lunch. Tea, water and dessert will be served. <b><i>Registration is required through myTraining.</i></b>
<b>Pivot Open Lab</b>	Jan 25	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. <b><i>This is a come and go lab with no registration required.</i></b>

## 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](https://wichitastate.co1.qualtrics.com/jfe/form/SV_9AHfbwsfnD8Y6a1)

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



## 10 Common Grant Writing Mistakes – The Chronicle of Higher Education

<https://www.chronicle.com/article/10-Common-Grant-Writing/242150>

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/>

## INTERNAL OPPORTUNITIES

### Award for Research/Creative Projects (ARC)

*Wichita State University*

**Due Date: 2/3/2018**

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.

- URL: <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](mailto: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:**

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## **(1) NEA Art Works**

*National Endowment for the Arts (NEA)*

**Due Internal NOI 1/12/2018; Date: 2/15/2018 (Submit SF-424 to Grants.gov); 2/27/2018 (Submit Materials to NEA-GO)**

Art Works is the National Endowment for the Arts' principal grants program. Through project-based funding, we support public engagement with, and access to, various forms of excellent art across the nation, the creation of art that meets the highest standards of excellence, learning in the arts at all stages of life, and the integration of the arts into the fabric of community life. Projects may be large or small, existing or new, and may take place in any part of the nation's 50 states, the District of Columbia, and U.S. territories. **2018NEA01AW1** *An organization may submit only one application through one of the following FY 2018 categories: Art Works or Challenge America. An organization may submit one additional application under the FY 2018 Art Works category for a Creativity Connects project.*

**We encourage applications for artistically excellent projects that:**

- Celebrate America's creativity and cultural heritage.
- Invite a dialogue that fosters a mutual respect for the diverse beliefs and values of all persons and groups.
- Enrich our humanity by broadening our understanding of ourselves as individuals and as a society.

- **URL:** <https://www.arts.gov/grants-organizations/art-works/application-calendar>

## **(2) Grants to Organizations**

*Graham Foundation for Advanced Studies in the Fine Arts*

**Due Date: Internal NOIs 1/19/2018; Applications 2/25/2018**

**For organizations, the foundation's priorities are to:**

- assist with the production and presentation of significant programs about architecture and the designed environment in order to promote dialogue, raise awareness, and develop new and wider audiences;
- support them in their effort to take risks in programming and create opportunities for experimentation;
- recognize the vital role they play in providing individuals with a public forum in which to present their work; and
- help them to realize projects that would otherwise not be possible without the foundation's support.

Overall the foundation is most interested in opportunities that enable it to provide critical support at key points in the development of a project or career. The foundation offers Production and

Presentation Grants to organizations. These grants assist organizations with the production-related expenses that are necessary to take a project from conceptualization to realization and public presentation. These projects include, but are not limited to, publications, exhibitions, installations, films, new media projects, conferences/lectures, and other public programs. Projects must have clearly defined goals, work plans, budgets, and production and dissemination plans. ***An organization or academic department/unit may only apply for one grant per year. (In the case of large institutions with multiple departments, a subsidiary department/unit may apply for one grant per year. For example, an academic department/unit at a university may apply for one grant per year.)***

- URL: [http://www.grahamfoundation.org/grant\\_programs/?mode=organization](http://www.grahamfoundation.org/grant_programs/?mode=organization)

### **(3) American National Election Studies (ANES) Competition**

*National Science Foundation (NSF)*

**Due Date: Internal NOIs 1/19/2018; Letter of Intent 2/21/2018; Full Proposal 4/20/2018**

The American National Election Studies (ANES) produce high quality data from its own surveys on voting, public opinion, and political participation. The mission of the ANES is to inform explanations of election outcomes by providing data that support rich hypothesis testing, maximize methodological excellence, measure many variables, and promote comparisons across people, contexts, and time. The ANES serves this mission by providing researchers with a view of the political world through the eyes of ordinary citizens. The Political Science Program in the Directorate for Social, Behavioral and Economic Sciences expects to make two awards for the 2020 Presidential election cycle with the award to run from fiscal years 2018 to 2021. We anticipate that NSF will make two awards totaling no more than \$11.5 million over four years. One will be for the traditional face-to-face survey. The second will be for a web-based survey. While these will be independent awards, the two awardees will be expected to work closely together. The expected start date is July 2018. ANES started in 1948. Since then, the project has conducted a survey during each presidential election. One of the unique attributes of ANES is that for each election respondents have been surveyed prior to the Presidential election and then after the election. These pre and post surveys provide a unique look at how Americans participate in politics and why. These cross-sectional surveys have been conducted using random sampling with the sampling scheme being relatively stable over time. The content of the survey has also stayed relatively stable over time though there has been the introduction of new topics, the deletion of old topics, and changes in question wording. To insure the integrity of the survey, it was decided in 1977 that the principal investigator(s) would be advised by a national Board of Overseers that would be representative of the community of scholars interested in American national elections. The National Science Foundation has helped to support this enterprise since 1970. During this period, the survey has been conducted primarily using a face to face design where trained interviewers go into households to conduct their interviews. In addition to face to face surveys, ANES has conducted mode comparisons using random digit dialing (RDD) and, in recent years, web-based platforms. ANES has also conducted

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several other enhancements. For instance, several panel studies have been conducted including a 29-wave panel study conducted around the 2008 election. Other innovations have included oversamples of African Americans, oversamples of Hispanics with the instrument translated into Spanish and surveys conducted by bi-lingual interviewers, experimentation with new instrumentation, recruitment of respondents, etc. **NSF 18-519 Institutions are restricted to submitting only one proposal for this solicitation.**

- URL: <https://www.nsf.gov/pubs/2018/nsf18519/nsf18519.htm>

#### **(4) Energy Frontier Research Centers**

*U.S. Department of Energy (DOE) - Office of Science (OS) - Office of Basic Energy Sciences (BES)*

**Due Date: Internal NOIs 1/19/2018; Pre-Applications 1/31/2018; Applications 4/11/2018**

The mission of the Basic Energy Sciences (BES) program is to support fundamental research to understand, predict, and ultimately control matter and energy at the electronic, atomic, and molecular levels in order to provide the foundations for new energy technologies and to support DOE's mission emphases in energy, the environment, and national security. BES has long invested in innovative basic research to advance the DOE mission through BES's core research areas.

The EFRC program, initiated in 2009, brings together the skills, talents, and expertise of teams of scientists to perform energy-relevant, basic research with a scope and complexity beyond what is possible in standard single-investigator or small-group awards. These multi-investigator, multi-disciplinary centers enable, encourage, and accelerate transformative scientific advances for the most challenging topics in materials sciences, chemical sciences, geosciences, and biosciences. EFRCs conduct fundamental research focused on one or more "grand challenges," "transformative opportunities," and "basic research needs" identified in major strategic planning efforts by BES and the scientific community. **DE-FOA-0001810 An entity may not submit more than three applications as the lead organization.**

- URL: [https://www.fedconnect.net/FedConnect/PublicPages/PublicSearch/Public\\_Opportunities.aspx](https://www.fedconnect.net/FedConnect/PublicPages/PublicSearch/Public_Opportunities.aspx)

**(5) EPSCoR Research Infrastructure Improvement Track 4: EPSCoR Research Fellows**

*National Science Foundation (NSF) - Office of the Director (OD) - Office of Integrative Activities (OIA)*

**Due Date: Internal NOIs 1/19/2018; Full Proposals 3/13/2018**

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-4 provides opportunities for non-tenured investigators to further develop their individual research potential through extended collaborative visits to the nation's premier private, governmental, or academic research centers. During these visits, the EPSCoR Research Fellows will be able to learn new techniques, develop new collaborations or advance existing partnerships, benefit from access to unique equipment and facilities, and/or shift their research toward potentially transformative new directions. The experiences gained through the fellowships are intended to have lasting impacts that will enhance the Fellows' research trajectories well beyond the award period. These benefits to the Fellows are also expected to in turn improve the research capacity of their institutions and jurisdictions more broadly. Those submitting proposals must either hold a non-tenured faculty appointment at an institution of higher education or an early-career career-track appointment at an eligible non-degree-granting institution. ***NSF 18-526 Only three RII Track-4 proposals may be submitted in response to this solicitation by any single organization in a RII-eligible jurisdiction. If more than three proposals are received from any single institution for the RII Track-4 competition, all proposals from that institution are subject to Return Without Review.***

- URL: <https://www.nsf.gov/pubs/2018/nsf18526/nsf18526.htm>

**(6) Nurse Anesthetist Traineeship (NAT) Program**

*U.S. Dept. of Health & Human Services (HHS) - Health Resources & Services Administration (HRSA) - Bureau of Health Workforce (BHW)*

**Due Date: Internal NOIs 2/2/2018; Application 2/28/2018**

The Health Resources and Services Administration (HRSA), Bureau of Health Workforce, Division of Nursing and Public Health is accepting applications for the fiscal year (FY) 2018 Nurse Anesthetist Traineeship (NAT) Program. The purpose of this program is to support eligible entities to meet the cost of traineeships for individuals in nurse anesthesia degree programs. Grants are awarded to accredited

institutions that educate registered nurses to become nurse anesthetists; recipient institutions, in turn, disburse funds to students in the form of traineeship support. NAT students may use traineeship funds during the period for which the traineeship is provided for full or partial costs of the tuition and fees, books/e-books, reasonable living expenses (stipends) and to attend workshops or conferences on topics including, but not limited to, reduced opioid use disorder, multi-modal pain management, and enhanced recovery. **HRSA-18-006 Multiple applications from an organization are not allowable; however, applicants can submit one application per campus (must have unique DUNS numbers).**

- URL: <https://www.grants.gov/custom/viewOppDetails.jsp?oppld=299601>

## GENERAL

### Active Learning Center Grants

*Steelcase Education*

**Due Date: 2/2/2018**

[Steelcase Education](#) seeks to understand how effective teaching and learning takes place and how smarter, active learning spaces can help. To that end, Steelcase is accepting applications to its Active Learning Center Grants program, with the aim of identifying educators at the leading edge of active learning pedagogies. Grants awarded through the program include furniture, a design review, installation, onsite training, and a Learning Environment Evaluation tool to measure connection, improve engagement, and spur the collective success of students and staff. Applicants may choose from four classroom styles for up to thirty students. Award packages are valued at up to \$67,000. Classrooms eligible for a grant include those in grades 6-12, as well as colleges and universities.

- URL: [https://info.steelcase.com/active-learning-center-grant?utm\\_source=grantlander&utm\\_medium=applysection&utm\\_campaign=alcgrantcycle4&utm\\_content=landingpage](https://info.steelcase.com/active-learning-center-grant?utm_source=grantlander&utm_medium=applysection&utm_campaign=alcgrantcycle4&utm_content=landingpage)



## **Annual P3 Awards: A National Student Design Competition for Sustainability Focusing on People, Prosperity and the Planet**

*United States Environmental Protection Agency (EPA) - Office of Research and Development (ORD) - National Center for Environmental Research (NCER)*

**Due Date: 2/7/2018**

The U.S. Environmental Protection Agency (EPA), under the auspices of the Office of Research and Development (ORD), National Center for Environmental Research (NCER), invites submissions to the 15th Annual P3 Awards. The P3 Program supports science-based projects and designs developed by interdisciplinary student teams at colleges and universities. These projects must embody the P3 approach, which is that they have the intention and capability to simultaneously improve the quality of people's lives, provide economic benefits, and protect the environment. **EPA-G2018-P3**

- URL: <https://www.epa.gov/research-grants/15th-annual-p3-awards-national-student-design-competition-focusing-people-prosperity>

## **ARTS & HUMANITIES**

### **Fellowships**

*National Endowment for the Humanities (NEH)*

**Due Date: 4/11/2018**

Fellowships support individuals pursuing advanced research that is of value to humanities scholars, general audiences, or both. Recipients usually produce articles, monographs, books, digital materials, archaeological site reports, translations, editions, or other scholarly resources in the humanities. Projects may be at any stage of development. NEH invites projects related to its new initiative, The Common Good: The Humanities in the Public Square. This initiative seeks to connect the study of the humanities to the current conditions of national life. Many of today's challenges require more than ever the forms of understanding and knowledge represented by the humanities. They require the broadest possible engagement of scholars and the public with the resources of the humanities, including but not limited to the study of language, literature, history, philosophy, comparative religion, and ethics. The study of the humanities can help illuminate the complexity of many contemporary challenges while enriching our understanding of the common good. **20170412-FEL**

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

### **NEA Challenge America**

*National Endowment for the Arts (NEA)*

**Due Date: 4/12/2018**

The Challenge America category offers support primarily to small and mid-sized organizations for projects that extend the reach of the arts to underserved populations -- those whose opportunities to experience the arts are limited by geography, ethnicity, economics, or disability. Age alone (e.g., youth, seniors) does not qualify a group as underserved; at least one of the underserved characteristics noted above also must be present. Grants are available for professional arts programming and for projects that emphasize the potential of the arts in community development. **2018NEA01CA**

**This category encourages and supports the following objective:**

**Engagement:** Engaging the public with diverse and excellent art.

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

### **Residency Program**

*MacDowell Colony, Inc.*

**Due Date: 4/15/2018 (Fall 2018 Residencies)**

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

- URL: <http://www.macdowellcolony.org/apply.html>

## EDUCATION

### Unsolicited Grant Opportunities

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

**Due Date: 3/6/2018**

The Institute of Education Sciences (IES) announces its willingness to consider unsolicited applications for research, evaluation, and statistics projects that would make significant contributions to the mission of the organization. IES' mission is to expand fundamental knowledge and understanding of education and to provide education leaders and practitioners, parents and students, researchers, and the general public with unbiased, reliable, and useful information about the condition and progress of education in the United States; about education policies, programs, and practices that support learning and improve academic achievement and access to educational opportunities for all students; and about the effectiveness of Federal and other education programs. Under this announcement, IES could consider two different types of unsolicited applications. The first type includes projects that are not eligible under IES' current grant competitions. IES' current grant competitions are those for the fiscal year, both open and closed, which are described at <http://ies.ed.gov/funding/>. For this type of application, the applicant must demonstrate that the project would not be eligible under one of IES' current grant competitions. The second type of unsolicited application includes research that can be carried out in a short period of time with limited resources to address time-sensitive research questions, where the window to obtain data and carry out a project is short and the project would not be feasible under IES' current grant competition timelines. For this type of application, the applicant must demonstrate that this project would not be feasible under IES' regular funding cycle. Potential applicants should be aware that IES does not provide funds for projects that consist solely of program delivery or the provision of services. In addition, activities supported by IES must be relevant to U.S. schools.

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

## ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

### Biomechanics and Mechanobiology (BMMB)

*National Science Foundation (NSF)*

**Due Date: 1/24/2018, 9/17/2018**

The BMMB Program supports fundamental research in biomechanics and mechanobiology. An emphasis is placed on multiscale solid and fluid mechanics approaches in the study of organisms that integrate across molecular, cell, tissue, and organ domains. The relationships between mechanical behavior and extracellular matrix composition and organization are of interest. In addition, the influence of *in vivo* mechanical forces on cell and matrix biology in the histomorphogenesis, maintenance, regeneration, and aging of tissues is a primary concern. Funded projects may include theoretical, computational, and experimental approaches. The program encourages the consideration of diverse living tissues as smart materials that are self-designing. **PD 17-7479**

- URL: [https://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=13523](https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13523)

### Civil Infrastructure Systems (CIS)

*National Science Foundation (NSF)*

**Due Date: 1/24/2018, 9/17/2018**

The Civil Infrastructure Systems (CIS) program supports fundamental and innovative research in the design, operation and management of civil infrastructure that contributes to creating smart, sustainable and resilient communities at local, national and international scales. This program focuses on civil infrastructure as a system in which interactions between spatially- and functionally- distributed components and intersystem connections exist. All critical civil infrastructure systems are of interest, including transportation, power, water, pipelines and others. The CIS program encourages potentially disruptive ideas that will open new frontiers and significantly broaden and transform relevant research communities. The program particularly welcomes research that addresses novel system and service design, system integration, big data analytics, and socio-technological-infrastructure connections. The program values diverse theoretical, scientific, mathematical, or computational contributions from a broad set of disciplines. While component-level, subject-matter knowledge may be crucial in many research efforts, the program does not support research with a primary contribution pertaining to individual infrastructure components such as materials, sensor technology, extreme event analysis, human factors, climate modeling, structural, geotechnical, hydrologic or environmental engineering. **PD 15-1631**

- URL: [https://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=13352](https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13352)

## Engineering Design and System Engineering (EDSE)

*National Science Foundation (NSF)*

**Due Date: 1/24/2018, 9/17/2018**

The Engineering Design and Systems Engineering (EDSE) program supports fundamental research into the basic processes and phenomena of engineering design and systems engineering. The program seeks proposals leading to improved understanding about how processes, organizational structure, social interactions, strategic decision making, and other factors impact success in the planning and execution of engineering design and systems engineering projects. It also supports advances pertaining to engineering design and systems engineering in areas that include, but are not limited to, decision making under uncertainty, including preference and demand modeling; problem decomposition and decision delegation; applications of reverse game theory (mechanism design); computer-aided design; design representation; system performance modeling and prediction; design optimization; uncertainty quantification; domain- or concern-specific design methods; and advanced computational techniques for supporting effective human cognition, decision making, and collaboration. Competitive proposals for novel methods will include a plan to evaluate rigorously the effectiveness and performance of the proposed approach. The EDSE program encourages multidisciplinary collaborations of experts in design and systems engineering with experts in other domains. Of particular interest is research on the design of engineering material systems that leverages the unique aspects of a particular material system to realize advanced design methods that are driven by performance metrics and incorporate processing/manufacturing considerations. The EDSE program does not support the development of ad-hoc approaches that lack grounding in theory, nor does it support design activities that do not advance scientific knowledge about engineering design or systems engineering. Prospective investigators are encouraged to discuss research ideas and project scope with the Program Director in advance of proposal preparation and submission. The program does not support fundamental research in materials synthesis, analysis and characterization, nor in device physics and performance evaluation. Rather, the focus of the program is on nano-scale manufacturing at both the mass and customized scales. See the Dear Colleague letter (NSD 17-146) at <https://www.nsf.gov/pubs/2017/nsf17146/nsf17146.jsp> for more information on the programs merged to form EDSE. **PD 17-072Y**

- **URL:**[https://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=505478&WT.mc\\_id=USNSF\\_25&WT.mc\\_ev=click](https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505478&WT.mc_id=USNSF_25&WT.mc_ev=click)

## **Manufacturing Machines and Equipment (MME)**

*National Science Foundation (NSF)*

**Due Date: 1/24/2018, 9/17/2018**

The MME program supports fundamental research that enables the development of new and/or improved manufacturing machines and equipment, and optimization of their use, with a particular focus on equipment appropriate for the manufacture of mechanical and electromechanical devices, products, and systems featuring scales from microns to meters (proposals relating to nanomanufacturing should be submitted to the CMMI NanoManufacturing program, and those relating to the manufacture of electronic devices such as IC products should be submitted to the ECCS Division). Proposals relating to a wide range of manufacturing operations are encouraged, including both subtractive and additive processes, forming, bonding/joining, and laser processing. Proposals that will enable innovations in one or more of the Manufacturing USA institutes' focus areas (<https://www.manufacturing.gov/nnmi-institutes/>) and leverage the facilities, infrastructure and member companies of an institute, are also encouraged. Competitive projects will propose hypothesis-driven research that advances the frontiers of knowledge in relevant areas. Proposals submitted to the MME program should include a clearly articulated research (not developmental) objective and a coherent plan to accomplish the stated objective. Both experimental and theoretical work are supported. The Project Description must contain, as a separate section within the narrative, a section labeled "Broader Impacts." **PD 17-1468**

- URL: [https://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=13346](https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13346)

## **Mechanics of Materials and Structures (MOMS)**

*National Science Foundation (NSF)*

**Due Date: 1/24/2018, 9/17/2018**

The Mechanics of Materials and Structures program supports fundamental research in mechanics as related to the behavior of deformable solid materials and structures under internal and external actions. The program supports a diverse spectrum of research with emphasis on transformative advances in experimental, theoretical, and computational methods. Submitted proposals should clearly emphasize the contributions to the field of mechanics. Proposals related to material response are welcome, including, but not limited to, advances in fundamental understanding of deformation, fracture, and fatigue as well as contact and friction. Proposals that relate to structural response are also welcome, including, but not limited to, advances in the understanding of nonlinear deformation, instability and collapse, and wave propagation. Proposals addressing mechanics at the intersection of materials and structures, such as, but not limited to, meta-materials, hierarchical, micro-architected and low-dimensional materials are also encouraged. Proposals that explore and build upon advanced

computing techniques and tools to enable major advances in mechanics are particularly welcome. For example, proposals incorporating reduced-order modeling, data-driven techniques, and/or stochastic methods with a strong emphasis on validation are encouraged. Also welcome are proposals addressing data analytics for deformation or damage response deduction from large experimental and computational data sets. Similarly, proposals that explore new experimental techniques to capture deformation and failure information for extreme ranges of loading or material behavior are also encouraged. Finally, experimental and computational methods that address information across multiple length and time scales, potentially involving multiphysics considerations are also welcome. Proposals with a focus on buildings and civil infrastructure system are welcome in CMMI and should be submitted to the program on Structural and Architectural Engineering Materials (SAEM). Proposals addressing processing and mechanical performance enhancements should be submitted to the Materials Engineering and Processing (MEP) program. Investigators with proposals focused on design methodological approaches and theory enabling the accelerated development and insertion of materials should consider the Design of Engineering Material Systems (DEMS) program. Lastly, investigators with interest in developing a combined theoretical and experimental approach to accelerate materials discovery and development should direct their proposals to the Designing Materials to Revolutionize and Engineer Our Future (DMREF) opportunity. **PD 17-1630**

- URL: [https://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=13355](https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13355)

## **Materials Engineering and Processing (MEP)**

*National Science Foundation (NSF)*

**Due Date: 1/24/2018, 9/17/2018**

The Materials Engineering and Processing (MEP) program supports fundamental research addressing the processing and mechanical performance of engineering materials by investigating the interrelationship of materials processing, structure, properties and/or life-cycle performance for targeted applications. Materials processing proposals should focus on manufacturing processes that convert material into useful form as either intermediate or final composition. These include processes such as extrusion, molding, casting, deposition, sintering and printing. Proposed research should include the consideration of cost, performance, and feasibility of scale-up, as appropriate. Novel processes for the production of nanoscale materials (nanotubes, nanocrystals, etc.) are of interest. Process optimization studies without a fundamental scientific contribution are not supported. Research proposals related to mechanical performance should be driven by a targeted application(s). Structural materials that, in service, bear mechanical load are of interest. These include materials such as metals, polymers, composites, biomaterials, ceramics, hybrids and cement, intended for applications ranging from the microscale (e.g., MEMS) to the macroscale (e.g., civil infrastructures). Research related to the deterioration of performance during service (e.g., corrosion and degradation) is also of interest. In some cases, the performance of functional materials is also of interest. This includes materials that

possess native properties and functions that can be controlled by external influences (e.g., temperature, light and pH) as well as responsive materials (e.g., piezoelectric, chromogenic, shape memory and self-healing). Research proposals on performance of electronic materials to be used for energy storage or conversion (e.g., fuel cells, batteries and PVs) are not appropriate for the MEP program. One exception to this would be for proposals related to multifunctional (versus a single function) material performance that include a consideration of mechanical performance. Proposals on this topic are encouraged. Research plans driven by scientific hypotheses are encouraged. Material structures across length scales ranging from nano to meso to macro are of interest. Research on materials in the bulk or in special configurations such as surfaces or interfaces is appropriate as are research proposals related to surface engineering or tribology. Analytical, experimental, and/or numerical studies are supported. Collaborative proposals with industry (GOALI) are encouraged. Proposals related to additive manufacturing, laser processing or bonding/joining processes are welcome in CMMI and should be submitted to the Manufacturing Machines and Equipment (MME) program, even if the focus of such proposals is on the materials for those processes. Proposals addressing the manufacture (scale up, quality, reliability, etc.) of nanoscale materials, structures, devices and systems should be submitted to the Nanomanufacturing (NM) program. Proposals addressing atomic/molecular scale synthesis or thin film synthesis (as opposed to manufacturing) are not appropriate for the MEP program. Research proposals on electronic materials to be used for energy storage or conversion (e.g., fuel cells, batteries, PVs) are not appropriate for the MEP program unless there is new science being proposed about manufacturing processes for these materials. Research on the mechanics of solid materials should be directed to the Mechanics of Materials (MoM) program. Investigators with proposals focused on design methodological approaches and theory enabling the accelerated development and insertion of materials should consider the Design of Engineering Material Systems (DEMS) program. In response to the Materials Genome Initiative, there is a special initiative for research on a combined theoretical and experimental approach to accelerate materials discovery and development; such proposals should be directed to the Designing Materials to Revolutionize and Engineer Our Future (DMREF) opportunity. **PD 17-8092**

- URL: [https://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=504950](https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504950)

### **Mind, Machine and Motor Nexus (M3X)**

*National Science Foundation (NSF)*

**Due Date: 1/24/2018, 9/17/2018**

The Mind, Machine and Motor Nexus (M3X) program supports fundamental research at the intersection of mind, machine and motor. A distinguishing characteristic of the program is an integrated treatment of human intent, perception, and behavior in interaction with embodied and intelligent engineered systems and as mediated by motor manipulation. M3X projects should advance the holistic analysis of cognition and of embodiment as present in both human and machine elements. This work



will encompass not only how mind interacts with motor function in the manipulation of machines, but also how, in turn, machine response and function may shape and influence both mind and motor function. The M3X program seeks to support the development of theories, representations, and working models that draw upon and contribute to fundamental understanding within and across diverse fields, including but not limited to systems science and engineering; mechatronics; cognitive, behavioral and perceptual sciences; and applied computing. Research funded through this program is expected to lead to new computable theories and to the physical manifestation of these theories. Application areas supported by the M3X program span the full breadth of the Division of Civil, Mechanical and Manufacturing Innovation. Methodological innovation is emphasized, as is a focus on engaging new and emerging thematic areas. The M3X program does not support disaggregated, parallel efforts from individual disciplines or investigators: rather, supported activities must strongly integrate across disciplines to enable discoveries that would not otherwise be possible. Additionally, the M3X program will not consider proposals that do not integrate physical considerations in a fundamental way. Principal investigators proposing pure artificial intelligence or pure machine learning research are referred to funding opportunities in the Directorate for Computer and Information Science and Engineering. **PD 17-158Y**

- URL: [https://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=505402](https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505402)

### **Nanomanufacturing (NM)**

*National Science Foundation (NSF)*

**Due Date: 1/24/2018, 9/17/2018**

The Nanomanufacturing (NM) program supports fundamental research to enable and improve the large-scale or customized manufacturing of nano-scale materials, structures, devices and systems. A key focus of the program is research leading to new nanomanufacturing methods using batch or continuous processes, and top-down/bottom-up processes and their integration. The NM program seeks to address manufacturability challenges such as scalability, customizability, sustainability, efficiency, controllability, and yield, including of integrated systems. Model-based experimental verification and process validation approaches are encouraged. Basic research in nanomanufacturing tools and unit processes with in-line or off-line metrology, and robust closed-loop process control are encouraged. The program does not support fundamental research in materials synthesis, analysis and characterization, nor in device physics and performance evaluation. The program accepts individual and collaborative proposals, including proposals that involve collaborations between academic institutions and nanomanufacturing organizations. Larger-scale, longer-duration unsolicited proposals that are not feasible through a series of smaller projects and are not achievable by a single principal investigator are also encouraged. Principal investigators of larger-scale proposals are strongly encouraged to discuss the objectives, scope, research team, and budget with the program director prior to proposal preparation and submission. For collaborations between academic and industry

partners, investigators are encouraged to consider submission of a GOALI proposal. GOALI proposal preparation information can be found at: [https://www.nsf.gov/pubs/policydocs/pappg17\\_1/pappg\\_2.jsp#IIE4](https://www.nsf.gov/pubs/policydocs/pappg17_1/pappg_2.jsp#IIE4). Experts wishing to serve on a proposal review panel should send an email to the program director with a short biographical sketch, contact information, a list of areas of expertise and a link to their home page. **PD 17-1788**

- URL: [https://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=13347](https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13347)

### **Operations Engineering (OE)**

*National Science Foundation (NSF)*

**Due Date: 1/24/2018, 9/17/2018**

The Operations Engineering (OE) program supports fundamental research on advanced analytical methods for improving operations in complex decision-driven environments. Analytical methods include, but are not limited to, deterministic and stochastic modeling, optimization, decision and risk analysis, data science, and simulation. Methodological research is highly encouraged but must be motivated by problems that have potential for high impact in engineering applications. Application domains of particular interest to the program arise in commercial enterprises (e.g., production/manufacturing systems and distribution of goods, delivery of services), the public sector/government (e.g., public safety and security), and public/private partnerships (e.g., health care, environment and energy). The program also welcomes operations research in new and emerging domains and addressing systemic societal or technological problems. The OE program particularly values cross-disciplinary proposals that leverage application-specific expertise with strong quantitative analysis in a decision-making context. Proposals for methodological research that are not strongly motivated by high-potential engineering applications are not appropriate for this program. **PD-16-006Y**

- URL: [https://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=505202](https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505202)

### **Research in the Formation of Engineers (RFE)**

*National Science Foundation (NSF)*

**Due Date: 1/24/2018, 9/26/2018**

The NSF Engineering (ENG) Directorate has launched a multi-year initiative, the Professional Formation of Engineers, to create and support an innovative and inclusive engineering profession for the 21st Century. Professional Formation of Engineers (PFE) refers to the formal and informal processes and value systems by which people become engineers. It also includes the ethical responsibility of practicing

engineers to sustain and grow the profession in order to improve quality of life for all peoples. The engineering profession must be responsive to national priorities, grand challenges, and dynamic workforce needs; and it must be equally open and accessible to all.

**Professional Formation includes, but is not limited, to:**

- Introductions to the profession at any age;
- Development of deep technical and professional skills, knowledge, and abilities in both formal and informal settings/domains;
- Development of outlooks, perspectives, ways of thinking, knowing, and doing;
- Development of identity as an engineer and its intersection with other identities; and
- Acculturation to the profession, its standards, and norms.

The goal of the Research in the Formation of Engineers (RFE) program is to advance our understanding of professional formation. It seeks to both deepen our fundamental understanding of the underlying processes and mechanisms that support professional formation and to demonstrate how professional formation is or can be accomplished. Ultimately, RFE aims to transform the engineering formation system. Therefore, the impact of proposed projects on this system must be described in the proposal. Proposers should provide a roadmap detailing how they envision the proposed research will eventually broadly impact practice within the engineering formation system, even if these activities are not within the scope of the submitted proposal.

**RFE welcomes proposals in two categories:**

**1) Research Projects and**

**2) Design and Development Projects.**

Research Projects address fundamental questions of professional formation, while Design and Development Projects provide new approaches to achieving professional formation. Additional details are provided below. Projects in both categories should address the iterative cycle in which research questions that advance understanding are informed by practice and the results of research are, in turn, translated into practice. In particular, proposals should explain how the research results will travel, translate, transfer, or scale. Successful projects identify specific target audiences, effective communication channels, and novel partnerships to ensure effective propagation and scaling. **PD 17-1340**

- URL: [https://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=503584](https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503584)

## **Department of Defense (DOD) Small Business Technology Transfer (STTR)**

*United States Department of Defense (DOD)*

**Due Date: 2/7/2018**

The NAVY, AIR FORCE, CBD, DHA, and USSOCOM, hereafter referred to as DoD Components, invite small business firms and research institutions to jointly submit proposals under this BAA for the Small Business Technology Transfer (STTR) Program. The objectives of the DoD SBIR Program include stimulating technological innovation in DoD's Science and Technology Emphasis Areas, strengthening the role of small business in meeting DoD research and development needs, fostering and encouraging participation by minority and disadvantaged persons in technological innovation, and increasing the commercial application of DoD-supported research or research and development results. The Department of Defense is interested in a wide variety of technical areas to support the various Components.

**These areas may include: Air Platform, Battlespace, Biomedical, Chemical/Biodefense, Electronics, Ground/Sea Vehicles, Human Systems, Info Systems, Materials/Processes, Nuclear, Sensors, Space Platforms, and Weapons. 18.A**

- URL: <https://sbir.defensebusiness.org/topics/instructions#>

## **Department of Defense (DOD) Small Business Innovation Research (SBIR)**

*United States Department of Defense (DOD)*

**Due Date: 2/8/2018**

The objectives of the DoD SBIR Program include stimulating technological innovation in DoD's Science and Technology Emphasis Areas, strengthening the role of small business in meeting DoD research and development needs, fostering and encouraging participation by minority and disadvantaged persons in technological innovation, and increasing the commercial application of DoD-supported research or research and development results. The Department of Defense is interested in a wide variety of technical areas to support the various Components.

**These areas may include: Air Platform, Battlespace, Biomedical, Chemical/Biodefense, Electronics, Ground/Sea Vehicles, Human Systems, Info Systems, Materials/Processes, Nuclear, Sensors, Space Platforms, and Weapons. 18.1**

- URL: <https://sbir.defensebusiness.org/topics/instructions?AspxAutoDetectCookieSupport=1#>

## HEALTH, LIFE & EARTH SCIENCES

### **Bioimaging Research and Approaches for Bioenergy**

*United States Department of Energy (DOE) - Office of Science (OS) - Office of Biological and Environmental Research (BER)*

**Due Date: Pre-Applications 1/19/2018; Applications 3/16/2018**

The Biological and Environmental Research (BER) of the SC, U.S. Department of Energy (DOE) hereby announces its interest in receiving applications to support fundamental research towards enabling new bioimaging capabilities for the study of plant and microbial systems relevant to bioenergy research. New imaging instrumentation is needed to observe and characterize multiple metabolic processes occurring within the living plant and microbial systems relevant to bioenergy and bioproduct production from renewable biomass. These processes include, but are not limited to real-time dynamic imaging of metabolic pathways, the transport of materials within and among cellular organelles including plant-root and organismal interactions, enzyme function and cellular structures. Of interest is the development of multimodal imaging devices constructed by merging new, innovative and/or transformational improvements to existing capabilities which will enable simultaneous observations in synergistic combination with correlated structural and/or chemical imaging to interpret biological function in and among whole microbial or plant cells. **DE-FOA-0001868**

- URL: <https://www.grants.gov/custom/viewOppDetails.jsp?oppld=299636>

### **Gallagher Koster Innovative Practices in College Health Award**

*American College Health Association - American College Health Foundation*

**Due Date: 2/2/2018**

This award will provide a cash award to help fund the development of creative solutions to access issues specifically related to (1) understanding students' health care needs and perspectives; (2) assessing students' knowledge of available health services and their appropriate utilization; (3) strengthening methods of health care delivery, including the development of community and public health strategies that reach out to populations at risk; (4) strengthening the use of technology to integrate health service delivery with an educational system focused on appropriate utilization of health services and improved health status; and (5) creating innovative strategies that support student's financial access to needed health care services. The goal of this award program is to spawn new ideas and innovative practices that improve students' access to health care and to share these strategies with other college health care professionals via presentations at state, regional, and national conferences, and publications in college health related periodicals. Applicants are encouraged to put together project proposals that

develop or utilize partnerships on their campuses and that demonstrate internal financial and in-kind support. Consideration will be given to proposals where institutional commitment to sustain the project is evidenced.

- URL: [http://www.acha.org/ACHA/Foundation/Gallagher\\_Koster\\_Award.aspx](http://www.acha.org/ACHA/Foundation/Gallagher_Koster_Award.aspx)

### **Synthetic Biology for Engineering Applications (R01 Clinical Trial Optional)**

*National Institutes of Health (NIH)*

**Due Date: 2/5/2018, 6/5/2018, 10/5/2018 (Standard NIH due dates apply)**

This Funding Opportunity Announcement (FOA) invites applications to conduct research to advance the understanding and application of synthetic biology for human health. It will support 1) the development of innovative tools and technologies in synthetic biology and 2) their application in biomedical research and human health. An integrative research plan based on collaborations of synthetic biologists with computational scientists, cell biologists, engineers, and/or physician scientists is strongly recommended. Early stage investigators in Synthetic Biology are especially encouraged to apply. Synthetic biology for human health is advancing, but major challenges, such as the inability to engineer robust complex metabolic and signaling networks or to produce cells with reliable and predictable behavior once in the host, currently limit application. This FOA encourages the development of tools and technology to tackle challenges in biomedical research and in cell-based therapies and diagnostics. Specific topics of interest include, but are not limited to, those listed below. **PAR-18-434**

1. Cell-free and cell-based systems for testing and analyzing biological systems and for the efficient and scalable synthesis of complex biological products
  - a. Cell-free (prototyping genetic circuits, discovering and evolving enzymes, and conducting biomolecular reactions)
  - b. Cell-based (materials and pharmaceutical production, microbiome reprogramming, diagnostics)
2. Natural and engineered biological circuits for implementing regulation and decision-making strategies in cells (modeling, analysis, design, and use of biological circuits, cell-cell communication, gene regulation, computation strategies)
3. Expanding biochemical functionality (novel genetic alphabets, changing molecular machinery of the cell, constructing genomically recoded organisms, genetically encoded reporters)
4. Advanced genome editing techniques for manipulating DNA (computational algorithms, zinc finger nucleases, TAL effector nucleases, CRISPR-Cas9)
5. Design and evolution strategies to construct biological systems (directed evolution, continuous evolution, multiplexed evolution)

- URL: <https://grants.nih.gov/grants/guide/pa-files/PAR-18-434.html>

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

## **Nursing Education Research Grants**

*National League for Nursing*

**Due Date: 2/8/2018**

The NLN Nursing Education Research Grants Program supports high-quality studies that contribute to the development of the science of nursing education. The NLN-funded grants promote diversity of research topics and support investigators who demonstrate rigor and innovative approaches to advance the field of nursing education research. The NLN is deeply committed to supporting beginning researchers as well as accomplished nursing education scholars.

### **All studies must relate to one or more of the NLN Priorities for Research in Nursing Education:**

- Build the science of nursing education through the discovery and translation of innovative evidence-based strategies
  - Link student learning to sentinel health indicators to promote health, prevent disease, and manage the symptomatology of illness
  - Examine the science of learning in the academic context related to health transitions.
- URL: <http://www.nln.org/professional-development-programs/grants-and-scholarships/nursing-education-research-grants/nln-nursing-education-research-grants-proposal-guidelines>

## **Scientific Product Grant**

*Wildlife Acoustics, Inc*

**Due Date: 2/15/2018, 5/15/2018, 8/15/2018**

The corporation is the leading provider of bioacoustics monitoring systems for researchers, scientists, conservationists and government agencies worldwide. The corporation's mission is to support efforts in conservation and environmental stewardship. The organization wants to enable those involved in animal biology, research and conservation to do their best work easily and quickly. To that end, the corporation has established a grant program to support bioacoustics research efforts from chiropteran, avian, terrestrial, amphibious and marine wildlife, to everything else in between

- URL: <https://www.wildlifeacoustics.com/grant>

**Collegiate Behavioral Health Prevention, Identification, and Intervention Grant Program  
(Grant Lee Smith (GLS) Campus Suicide Prevention Grant**

*U.S. Dept. of Health & Human Services - Substance Abuse & Mental Health Administration  
(SAMHSA)*

**Due Date: 2/20/2018**

Notice seeking applications to develop a comprehensive, collaborative, well-coordinated, and evidence-based approach to: (1) enhance services for all college students, including those at risk for suicide, depression, serious mental illness, and/or substance use disorders that can lead to school failure; (2) prevent mental and substance use disorders; (3) promote help-seeking behavior and reduce stigma; and (4) improve the identification and treatment of at-risk college students so they can successfully complete their studies. **SM-18-003**

- URL: <https://www.samhsa.gov/grants/grant-announcements/sm-18-003>

**Dear Colleague Letter: NSF-USDA-BBSRC Joint Funding Opportunity - Early Concept Grants for Exploratory Research (EAGERs) to Develop Breakthrough Ideas and Enabling Technologies to Advance Crop Breeding and Functional Genomics**

*National Science Foundation (NSF)*

**Due Date: 3/14/2018**

The National Science Foundation (NSF) Biological Sciences Directorate (BIO), the U.S. Department of Agriculture (USDA) National Institute of Food and Agriculture (NIFA) and the UK's Biotechnology and Biological Sciences Research Council (BBSRC) have established a joint funding opportunity to support the development of breakthrough technologies that will enable significant advances in crop breeding. This opportunity aims to make high impact changes in the ability to translate basic knowledge of plant genomics to practical outcomes in crops of economic importance to the participating countries. This NSF-BIO, USDA-NIFA and BBSRC Joint Activity is soliciting Early Concept Grants for Exploratory Research (EAGER) proposals to support development of breakthrough ideas and technologies to speed the development for new crop varieties. There remain significant bottlenecks to improving crop varieties even if new traits or natural variants are identified, such as producing hybrids, understanding recombination, and epigenetic inheritance as examples. Translation of basic knowledge to practical outcomes can be accelerated by key emerging technologies that exploit genomics rapidly and effectively. This EAGER opportunity invites proposals to overcome these barriers to crop breeding in highly innovative and transformative ways. Investigators considering this opportunity should articulate how the enabling technologies would be used to improve crop breeding.

**Areas of research that await breakthrough advances and are appropriate for this EAGER opportunity include, but are not limited to, the following:**



- Advancing genome editing technology to generate new phenotypes for greater genetic gain
  - Achieving reliable and high throughput production of doubled haploids from genotypes that are currently recalcitrant to chromosome doubling to accelerate the breeding process in cereals and other crops
  - Controlling and understanding meiotic recombination to tap into inaccessible genetic resources in areas of low recombination and enabling whole genome manipulation
  - Modifying epigenetic inheritance to facilitate phenotypic changes related to environmental responses
- Understanding mechanisms of heterosis, thereby generating and exploiting hybrid vigor for crop improvement

For this EAGER opportunity, emphasis should be on developing enabling technologies that will impact crops or model crop systems. Projects that focus solely on sequencing will not be considered. Funded projects relevant to the goals of the International Wheat Yield Partnership (IWYP) will be invited to become IWYP Aligned Projects. Proposed studies should be potentially transformative and must be considered "high-risk, high-payoff" to achieve the goal of making technological breakthroughs to promote crop breeding. Studies should be compatible with the budget (up to \$300,000 for US components and up to £200,000 for UK components) and time limits (2 years) of the EAGER funding mechanism. For collaborative US/UK EAGER projects, BBSRC will fund UK researchers up to £200,000 and NSF or NIFA will fund US researchers up to \$300,000 including indirect costs. US only EAGERS are limited to \$300,000 total including indirect costs. Further details are provided below for budgetary limits for UK partners. EAGER proposals may originate from US-UK partnerships or from US-only applicants. EAGERS solely involving UK applicants are not permitted. For more information on EAGERS, please review NSF Proposal & Award Policies & Procedures Guide (PAPPG). **NSF 18-039**

- URL: [https://www.nsf.gov/pubs/2018/nsf18039/nsf18039.jsp?WT.mc\\_id=USNSF\\_25&WT.mc\\_ev=click](https://www.nsf.gov/pubs/2018/nsf18039/nsf18039.jsp?WT.mc_id=USNSF_25&WT.mc_ev=click)

**Announcement of the Anticipated Availability of Funds for Conferences on Research Integrity**  
*U.S. Dept. of Health and Human Services (HHS) - Office of the Assistant Secretary for Health*  
**Due Date: 3/26/2018**

In accordance with 42 C.F.R. Part 93, the Office of Research Integrity (ORI) seeks to support conferences to (a) develop multi-disciplinary networks to build upon existing evidence-based research and stimulate innovative approaches to preventing research misconduct and promoting research integrity and (b) collectively address the concerns of research integrity officers (RIOs) and institutional counsel in conducting research misconduct proceedings and the pertinent subsequent administrative actions. **IR-ORI-18-002**

- URL: <https://www.grantsolutions.gov/qs/preaward/previewPublicAnnouncement.do?id=60246>

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

## MULTIPLE DISCIPLINES

### **Dynamics of Coupled Natural and Human Systems (CNH)**

*National Science Foundation (NSF)*

**Due Date: 1/23/2018**

The Dynamics of Coupled Natural and Human Systems (CNH) Program supports interdisciplinary research that examines human and natural system processes and the complex interactions among human and natural systems at diverse scales. Research projects to be supported by CNH must include analyses of four different components: (1) the dynamics of a natural system; (2) the dynamics of a human system; (3) the processes through which the natural system affects the human system; and (4) the processes through which the human system affects the natural system. CNH also supports research coordination networks (CNH-RCNs) designed to facilitate activities that promote future research by broad research communities that will include all four components necessary for CNH funding. **NSF 18-503**

- URL: <https://www.nsf.gov/pubs/2018/nsf18503/nsf18503.htm>

### **DARPA Biological Technologies Office Open BAA**

*U.S. Department of Defense (DoD) – Defense Advanced Research Projects Agency (DARPA) – Biological Technologies Office*

**Due Date: Proposal abstracts and Full Proposals accepted on a rolling basis through 4/26/2018**

Notice seeking applications for revolutionary research ideas for topics not being addressed by ongoing Biological Technologies Office (BTO) programs or other published solicitations. Proposed research should investigate leading edge approaches that enable revolutionary advances in science, technologies, or systems at the intersection of biology with engineering and the physical and computer sciences. **HR001117S0030**

#### **BTO is interested in submissions related to the following areas:**

- Discovering and leveraging novel findings from neuroscience, psychology, cognitive science, and related disciplines to advance treatment and resilience in neurological health and optimize human performance.
- Understanding and improving interfaces between the biological and physical world to enable seamless hybrid systems.

- Developing and leveraging fundamental understanding of the underlying design rules that govern the behavior of biological systems.
- Developing new tools and capabilities for forward engineering of biological systems, such as cells, tissues, organs, organisms, and complex communities, to both develop new products and functional systems, as well as to gain new insights into underlying mechanisms.
- Developing new platform technologies that integrate, automate, and miniaturize the collection, processing, and analysis of biological samples.
- Developing technologies that leverage ecological diversity and/or help support human operations in extreme environments (ocean, desert, space, etc.).
- Developing and validating new theories and computational models that identify factors and principles underlying collective and interactive behaviors of biological organisms at all scales from individual cells to global ecosystems.
- Understanding the dynamics of population and ecosystem behavior to preserve equilibrium, provide strategic opportunity, or avoid catastrophe.
- Developing and leveraging new technologies that can be applied to agricultural ecosystems for production stabilization, by improving quality or reducing losses from pathogens or pests.
- Developing and leveraging new insights into non-human biology across and between populations of microbes, insects, plants, marine life, and other non-human biologic entities.
- Developing new technologies and approaches that ensure biosafety, biosecurity, and protection of the bioeconomy.
- Understanding emerging threats to global food and water supplies and developing countermeasures that could be implemented on regional or global scales.
- Developing new technologies to treat, prevent, and predict the emergence and spread of infectious diseases that have the potential to cause significant health, economic, and social burden.
- Other biological technology topic areas that fit the national security scope of BTO's mission.

- URL: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=293473>

## SOCIAL & BEHAVIORAL SCIENCES

### **Dynamics of Coupled Natural and Human Systems (CNH)**

*National Science Foundation (NSF)*

**Due Date: 1/23/2018**

The Dynamics of Coupled Natural and Human Systems (CNH) Program supports interdisciplinary research that examines human and natural system processes and the complex interactions among human and natural systems at diverse scales. Research projects to be supported by CNH must include analyses of four different components: (1) the dynamics of a natural system; (2) the dynamics of a human system; (3) the processes through which the natural system affects the human system; and (4) the processes through which the human system affects the natural system. CNH also supports research coordination networks (CNH-RCNs) designed to facilitate activities that promote future research by broad research communities that will include all four components necessary for CNH funding. **NSF 18-503**

- URL: <https://www.nsf.gov/pubs/2018/nsf18503/nsf18503.htm>

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

*National Science Foundation (NSF)*

**Due Date: 1/25/2018, 8/30/2018**

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

- URL: <https://www.nsf.gov/pubs/2014/nsf14574/nsf14574.htm>

### **Science, Technology, and Society (STS)**

*National Science Foundation (NSF)*

**Due Date: 2/2/2018, 8/3/2018**

The Science, Technology, and Society (STS) program supports research that uses historical, philosophical, and social scientific methods to investigate the intellectual, material, and social facets of the scientific, technological, engineering and mathematical (STEM) disciplines. It encompasses a broad spectrum of STS topics including interdisciplinary studies of ethics, equity, governance, and policy issues that are closely related to STEM disciplines, including medical science. The program's review process is approximately six months. It includes appraisal of proposals by ad hoc reviewers selected for their expertise and by an advisory panel that meets twice a year. The deadlines for the submission of proposals are February 2nd for proposals to be funded as early as July, and August 3rd for proposals to be funded in or after January. There is one exception: Doctoral Dissertation Improvement Grant proposals will have only one deadline per year, August 3rd.

The Program encourages potential investigators with questions as to whether their proposal fits the goals of the program to contact one of the program officers. **NSF 15-506**

- URL: <https://www.nsf.gov/pubs/2015/nsf15506/nsf15506.htm>

### **Evaluation of Policies for the Primary Prevention of Multiple Forms of Violence**

*U.S. Dept. of Health and Human Services (HHS) - Centers for Disease Control & Prevention (CDC)*

**Due Date: 3/21/2018**

NCIPC is seeking research proposals focused on rigorously evaluating previously or currently implemented federal, state, local, tribal, or organizational policies for impacts on multiple forms of violence, including child abuse and neglect, youth violence, intimate partner violence, sexual violence and/or suicide. The proposed research should evaluate the impact of a selected policy on reducing rates of at least two of these violence outcomes. Applicants are encouraged to assess the impact of the policy on as many violence outcomes that is feasible as well as risk and protective factors that are common to multiple forms of violence. The proposed research will add to the limited evidence base regarding the impact of policies on preventing and reducing multiple forms of violence by rigorously evaluating federal, state, local, tribal, or organizational policy approaches. **RFA-CE-18-002**

- URL: <https://www.grants.gov/custom/viewOppDetails.jsp?oppld=297311>

## **Congressional Research Grants**

*Dirksen Congressional Center*

**Due Date: 4/1/2018**

The Dirksen Congressional Center invites applications for grants to fund research on congressional leadership and the U.S. Congress. The Center, named for the late Senate Minority Leader Everett M. Dirksen, is a research and educational organization devoted to the study of Congress. The Center's first interest is to fund the study of the leadership in the Congress, both House and Senate. Topics could include external factors shaping the exercise of congressional leadership, institutional conditions affecting it, resources and techniques used by leaders, or the prospects for change or continuity in the patterns of leadership. In addition, The Center invites proposals about congressional procedures, such as committee operation or mechanisms for institutional change, and Congress and the electoral process. The Center also encourages proposals that link Congress and congressional leadership with the creation, implementation, and oversight of public policy. Proposals must demonstrate that Congress, not the specific policy, is the central research interest. The Center does NOT require grant recipients to use historical materials in its collections. Persons interested in such research, however, are asked to visit [http://www.dirksencenter.org/print\\_collections\\_overview.htm](http://www.dirksencenter.org/print_collections_overview.htm) for information about the Center's holdings. The research for which assistance is sought must be original, culminating in new findings or new interpretation, or both. The grants program was developed to support work intended for publication in some form or for application in a teaching or policy-making setting. Research produced by previous grant recipients has resulted in books, papers, articles, course lectures, videotapes, and computer software.

- URL: [http://www.dirksencenter.org/print\\_programs\\_overview.htm](http://www.dirksencenter.org/print_programs_overview.htm)

## STUDENTS

### **Dissertation Fellowship 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 at Boston College sponsors the annual Dissertation Fellowship Program in the field of retirement income research. The program is funded by the U.S. Social Security Administration and provides funding opportunities for doctoral candidates to pursue cutting-edge research on retirement issues.

**Priority areas include:**

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

Doctoral candidates from all academic disciplines are encouraged to submit a proposal. Grant recipients may be required to present their work to the Social Security Administration in Washington, DC or Baltimore. The Center was established in 1998 through a grant from the Social Security Administration. The Center's mission is to produce first-class research and forge a strong link between the academic community and decision makers in the public and private sectors around an issue of critical importance to the nation's future. To achieve this mission, the Center sponsors a wide variety of research projects, transmits new findings to a broad audience, trains new scholars, and broadens access to valuable data sources. Since its inception, the Center has established a reputation as an authoritative source of information on all major aspects of the retirement income and policy debate.

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

### **Dannon Gut Microbiome, Yogurt and Probiotics Fellowship Grant Program**

*Dannon Institute*

**Due Date: 2/15/2018**

The Fellowship Grant was established in 2012 to better understand the role of probiotics and yogurt in human health and was expanded to explore the impact the gut microbiome has on the human body. The study of the gut microbiome is an exciting and rapidly emerging area of scientific exploration and there is still much to discover. Dannon Fellows are connected to each other through this scholarship,

encouraging collaboration, communication, and future opportunity in the field. We are proud to support future generations of researchers and scientists. The successful candidates should excel in science and have an interest in the field of the gut microbiome's effect on human health and well-being, or in the nutritional and functional benefits of yogurt, fermented dairy products and probiotics on the body (the "Field"). Examples may include the role of calcium, vitamin D or other nutrients from yogurt, or the effects of probiotics, fermented dairy products or yogurt on brain function, digestive health, weight management or heart health.

- URL: <http://www.dannon.com/fellowship/>

### **Nikon Storytellers Scholarship Program**

*Nikon*

**Due Date: 3/1/2018**

Established by Nikon Inc. as part of the brand's 100th anniversary celebration, The Nikon Storytellers Scholarship supports the next generation of visual content creators. The Nikon Storytellers Scholarship is open to undergraduate and graduate students at an accredited, non-profit college/university or vocational/technical school in the United States or Canada pursuing degrees in visual arts, fine arts, journalism, film, photography and multimedia/content creation who will have completed their freshman year of college or academic equivalent before Fall 2018. Eligible students can apply to be one of ten individuals awarded with an academic scholarship of \$10,000 USD, to help foster their growth and pursue careers in creative fields. Semi-finalists will be invited to submit a portfolio of images or brief video for consideration by a selection committee who will determine the ten winning applicants. Scholarships will be awarded for use in the 2018-2019 academic school year.

- URL: <http://programs.applyists.com/Nikon/>