

## Funding Bulletin

April 20<sup>th</sup>, 2018 (Vol. 5, No. 20)

### Funding Information

**\*\*\*PLEASE NOTE\*\*\*** *The Office of Research Funding Bulletin is being phased out with the last edition available on Friday, April 20<sup>th</sup>, 2018. To continue to receive funding updates and opportunities, we encourage you to utilize the campus' [PIVOT](#) subscription. Pivot provides you with the ability to find funding opportunities specifically tailored to your research area(s) based on keywords you provide. Please login to Pivot to update your funding searches or follow the above link to register for an account. Online tutorials are available, or, if you would like to schedule an in-person tutorial, please contact Sarah Haug at [funding@wichita.edu](mailto:funding@wichita.edu).*

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

[WORKSHOPS](#)

[INTERNAL OPPORTUNITIES](#)

[NOTICES](#)

[LIMITED SUBMISSIONS](#)

[ARTS & HUMANITIES](#)

[GENERAL](#)

[EDUCATION](#)

[ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES](#)

[HEALTH, LIFE & EARTH SCIENCES](#)

[MULTIPLE DISCIPLINES](#)

[NEW FACULTY/INVESTIGATOR](#)

[SOCIAL & BEHAVIORAL SCIENCES](#)

## 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>                 | May 10 | 9:30 –<br>11:00 a.m. | 409E<br>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>Pivot Open Lab</b>               | May 10 | 2:30 – 4:00<br>p.m.  | 409E<br>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>  |
| <b>SBIR Monthly Q&amp;A</b>         | May 17 | 2:00 – 4:00<br>p.m.  | Experiential<br>Engineering<br>Building<br>163 | These monthly sessions allow students, faculty and staff to learn more about the U.S. government's Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) programs or ask questions about specific topics.   |
| <b>Research Compliance Open Lab</b> | May 23 | 9:00 –<br>11:00 a.m. | Devlin Hall<br>Innovation<br>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. <b><i>This is a come and go lab with no registration required.</i></b> |

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).



## NOTICES

**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

The next available internal opportunities will be: 1) Multi-disciplinary Research Projects Award (MURPA) and 2) University Research/Creative Award (URCA) - Round 2. Both will have October 2018 deadlines.

**For more information, visit**

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

## LIMITED SUBMISSIONS

Limited submission programs have sponsor restrictions on the number of proposals that may be submitted by a single institution and will require institutional screening to determine which applications will be submitted. Karen Davis, Director of Pre-Award Services, is the internal coordinator for limited submission programs. Please notify [proposals@wichita.edu](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 *seven* open limited submission competitions (please see our website for additional limited submissions whose internal deadlines that have passed but may still be accepted NOIs):**

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### **(1) Building EPSCoR-State/National Laboratory Partnerships**

*United States Department of Energy (DOE) - Office of Science (OS)*

**Due Date: Internal NOIs 4/24/2018; Letter of Intent 4/25/2018; Application 5/16/2018**

The U. S. Department of Energy's Established Program to Stimulate Competitive Research (EPSCoR) program hereby announces its interest in receiving applications for building EPSCoR-State/DOE-National Laboratory Partnerships. These partnerships are to advance fundamental, early-stage energy research collaborations with the DOE national laboratories. Participation by graduate students and/or postdoctoral fellows is required. Junior faculty from EPSCoR jurisdictions are encouraged to apply. Utilization of DOE user facilities are encouraged. **DE-FOA-0001897 An entity may not submit more than one LOI, and as a result, may not submit more than one application as the lead organization.**

- URL: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=302257>

### **(2) Health Careers Opportunity Program: The National HCOP Academies**

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

**Due Date: Internal NOIs 4/20/2018; Full Proposal 5/29/2018**

The Health Resources and Services Administration (HRSA), Bureau of Health Workforce (BHW) is accepting applications for the fiscal year (FY) 2018 Health Careers Opportunity Program (HCOP), herein after referred to as the "National HCOP Academies." The goal of the National HCOP Academies is to expand and better prepare the health care workforce of the 21st century by funding projects to increase and support opportunities for individuals from disadvantaged backgrounds to enter a health profession. More specifically, the purpose of the National HCOP Academies grant program is to: 1) promote the recruitment of qualified individuals from disadvantaged backgrounds into the health professions, including allied health programs; 2) improve retention, matriculation and graduation rates by implementing tailored enrichment programs designed to address the academic and social needs of disadvantaged students; and 3) provide opportunities for community-based health profession training in primary care, emphasizing experiences in rural and underserved communities. **HRSA-18-007 Multiple applications from an institution are not allowable.**

- URL: <https://www.grants.gov/custom/viewOppDetails.jsp?oppld=302205>

### **(3) Shared Instrumentation for Animal Research (SIFAR) Grant Program**

*National Institutes of Health (NIH) - Office of Research Infrastructure Programs (ORIP)*

**Due Date: Internal NOIs 4/20/2018; Application 5/31/2018**

The Shared Instrumentation for Animal Research (SIFAR) Grant Program encourages applications from groups of NIH-funded investigators to purchase or upgrade scientific instruments necessary to carry out animal experiments in all areas of biomedical research supported by the NIH. Applicants may request clusters of commercially available instruments configured as specialized integrated systems or as series of instruments to support a thematic well-defined area of research using animals or related materials. Priority will be given to uniquely configured systems to support innovative and potentially transformative investigations. This FOA supports requests for state-of-the art commercially available technologies needed for NIH-funded research using any vertebrate and invertebrate animal species. This funding opportunity announcement (FOA) does not support requests for single instruments. **PAR-18-599 Applicant organizations may submit only one application per institution.**

- URL: <https://grants.nih.gov/grants/guide/pa-files/PAR-18-599.html>

### **(4) Computational Chemical Sciences Research**

*United States Department of Energy (DOE) - Office of Science (OS)*

**Due Date: Internal NOIs 5/4/2018; Letter of Intent 5/16/2018; Application 6/18/2018**

The DOE SC program in Basic Energy Sciences (BES) announces its interest in receiving applications from single principal investigators (PIs), small groups (2-3 PIs), and centers (integrated multidisciplinary teams typically from multiple institutions) in Computational Chemical Sciences (CCS). CCS will support efforts to develop validated, public access codes and databases, and research to develop new approaches to enhance the use of large data sets for deriving new fundamental knowledge from calculations and advanced characterization of chemical systems. CCS will continue to support the DOE Exascale Computing Initiative (ECI), which was announced in September 2013. The ECI aims to accelerate the research and development needed to overcome key exascale challenges and maximize benefits of high-performance computing. This FOA continues the BES commitment to ECI by developing open source codes that can take full advantage of today's petascale and future exascale leadership computing facilities. **DE-FOA-0001912 An entity may submit only one letter of intent as the lead organization.**

- URL: <https://www.grants.gov/custom/viewOppDetails.jsp?oppld=303244>

**(5) Materials and Chemical Sciences Research for Quantum Information Science**

*United States Department of Energy (DOE) - Office of Science (OS)*

**Due Date: Internal NOIs Letters of Intent 5/3/2018; Applications 5/24/2018**

The Office of Basic Energy Sciences (BES), U.S. Department of Energy (DOE), announces its interest in receiving applications from single investigator or small groups of investigators for support of experimental and theoretical efforts to advance materials and chemical sciences research for quantum information sciences (QIS). **DE-FOA-0001909** *An entity may submit only two letters of intent as the lead organization, and as a result, may submit only two applications. An institution may participate in any number of applications as a team member.*

- URL: <https://www.grants.gov/custom/viewOppDetails.jsp?oppld=302945>

**(6) Cybersecurity Innovation for Cyberinfrastructure (CICI)**

*National Science Foundation (NSF)*

**Due Date: Internal NOIs 5/4/2018; Full Proposal 6/4/2018**

The objective of the Cybersecurity Innovation for Cyberinfrastructure (CICI) program is to develop, deploy and integrate security solutions that benefit the scientific community by ensuring the integrity, resilience and reliability of the end-to-end scientific workflow. **NSF 18-547 Organizations are limited to 2 CICI proposals.**

**CICI seeks three categories of projects:**

1. Secure Scientific Cyberinfrastructure: These awards seek to secure the scientific workflow by encouraging novel and trustworthy architectural and design approaches, models and frameworks for the creation of a holistic, integrated security environment that spans the entire scientific CI ecosystem;
2. Collaborative Security Response Center: This single award targets the development of a community resource to provide security monitoring, analysis, expertise, and resources Research & Education (R&E) cyberinfrastructure staff, regardless of physical location or organization; and
3. Research Data Protection: These awards provide solutions that both ensure the provenance of research data and reduce the complexity of protecting research data sets regardless of funding source.

- URL: <https://www.nsf.gov/pubs/2018/nsf18547/nsf18547.htm>

## (7) Art Works II

*National Endowment for the Arts (NEA)*

**Due Date: Internal NOIs 6/15/2018; Application 7/12/2018; Materials to Applicant Portal 7/24/2018**

"Art Works" refers to three things: the works of art themselves, the ways art works on audiences, and the fact that art is work for the artists and arts professionals who make up the field. Art works by enhancing the value of individuals and communities, by connecting us to each other and to something greater than ourselves, and by empowering creativity and innovation in our society and economy. The arts exist for beauty itself, but they also are an inexhaustible source of meaning and inspiration. The NEA recognizes these catalytic effects of excellent art, and the key role that arts and design organizations play in revitalizing them. **2017NEA01AW2 An organization may submit only one application under these FY 2019 Art Works guidelines, with few exceptions as listed on the sponsor's website.**

To deepen and extend the arts' value, including their ability to foster new connections and to exemplify creativity and innovation, **NEA welcomes projects that:**

- Are likely to prove transformative with the potential for meaningful change, whether in the development or enhancement of new or existing art forms, new approaches to the creation or presentation of art, or new ways of engaging the public with art;
- Are distinctive, offering fresh insights and new value for their fields and/or the public through unconventional solutions; and
- Have the potential to be shared and/or emulated, or are likely to lead to other advances in the field.

**Beyond encouraging projects that demonstrate these characteristics, NEA wants to achieve the following four objectives through the Art Works category:**

- Creation: The creation of art that meets the highest standards of excellence,
- Engagement: Public engagement with diverse and excellent art,
- Learning: Lifelong learning in the arts, and
- Livability: The strengthening of communities through the arts.

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

## GENERAL

### Grants

*Mazda Foundation*

**Due Date: 7/1/2018**

The Foundation awards grants to programs promoting:

- Education and literacy
- Environmental conservation
- Cross-cultural understanding
- Social welfare
- Scientific research

- URL: <http://www.mazdafoundation.org/grant-guidelines/>

## ARTS & HUMANITIES

### Millard Meiss Publication Fund

*College Art Association (CAA)*

**Due Date: 9/15/2018**

Twice a year, CAA awards grants through the Millard Meiss Publication Fund to support book-length scholarly manuscripts in the history of art, visual studies, and related subjects that have been accepted by a publisher on their merits, but cannot be published in the most desirable form without a subsidy. Books eligible for a Meiss grant must currently be under contract with a publisher and be on a subject in the arts or art history.

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



## Rome Prize

*American Academy in Rome (AAR)*

**Due Date: 11/1/2018**

The Prize is to support innovative and cross-disciplinary work in the arts and humanities. Rome Prize winners are the core of the Academy's residential community, which also includes Affiliated Fellows, Residents and Visiting Artists and Visiting Scholars.

### **Fellowships are awarded in the following disciplines:**

- Ancient Studies
- Architecture
- Design (includes graphic, industrial, interior, exhibition, set, costume, and fashion design, urban design, city planning, engineering, and other design fields)
- Historic Preservation and Conservation
- Landscape Architecture (includes environmental design and planning, landscape/ecological urbanism, landscape history, sustainability and ecological studies, and geography)
- Literature (includes fiction, literary nonfiction, and poetry)
- Medieval Studies
- Modern Italian Studies
- Musical Composition
- Renaissance and Early Modern Studies
- Visual Arts (includes painting, sculpture, drawing, photography, film/video, installation, new media, digital arts, and other visual arts fields)

- URL: <http://www.aarome.org/apply>

## Humanities Program

*Gladys Kriebel Delmas Foundation*

**Due Date: Letters of inquiry accepted on an ongoing basis**

The foundation awards grants to further the humanities along a broad front, supporting projects that address the original tenets of the studia humanitatis: a humanistic education is rooted in the great traditions of the past; the formation of human beings according to cultural, moral, and aesthetic ideals derived from that past; and the ongoing debate over how these ideals may best be conceived and realized. The foundation welcomes projects that cross the boundaries between humanistic disciplines and explore the connection between the humanities and other areas of scholarship. The prime criterion

remains that of Gladys and Jean Paul Delmas: a commitment to excellence, whether proven or promised, at every level of the humanistic spectrum.

**Programs in the following areas are eligible:**

- History
  - Archaeology
  - Literature
  - Languages, both classical and modern
  - Philosophy
  - Ethics
  - Comparative religion
  - The history, criticism, and theory of the arts
  - Those aspects of the social sciences that share the content and methods of humanistic disciplines
- URL: [http://delmas.org/?page\\_id=6#humanities](http://delmas.org/?page_id=6#humanities)

## EDUCATION

### **Accelerating Discovery: Educating the Future STEM Workforce**

*National Science Foundation (NSF)*

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

NSF's Education and Human Resources Directorate seeks to invest in projects that can educate the STEM workforce to advance discovery in the six research Big Ideas: Harnessing the Data Revolution; The Future of Work; Navigating the New Arctic; Multi-messenger Astrophysics; The Quantum Leap; and Understanding the Rules of Life. In addition to developing and implementing novel educational and/or training programs, these projects should simultaneously generate new knowledge about effective STEM education, by studying such programs and exploring related issues. Specifically, NSF accepts proposals to support education research and development projects focused on re- or up-skilling the existing workforce; developing the skilled technical workforce; and/or preparing those at the undergraduate, graduate, or postdoctoral fellow/early career levels. Proposals should address near-, mid-, and long-term challenges and opportunities facing the development of STEM professionals or anticipate new structures and functions of the STEM learning and teaching enterprise. Proposers are

encouraged to include approaches that have the potential to increase and diversify participation in STEM. All proposals should contribute to one or more of the six research Big Ideas. EHR is particularly interested in supporting innovative education research and development in two Big Ideas: The Future of Work at the Human-Technology Frontier (FW-HTF) and Harnessing the Data Revolution for 21st Century Science and Engineering (HDR). Projects of interest include: innovative uses of technology and big data to understand learning; educational approaches that prepare tomorrow's innovators to use technology and big data to understand the natural world; effects of advances in intelligent agents on STEM teaching and learning; and evaluation of disruptive educational interventions on long-term student outcomes. **PD-18-1998**

- URL: [https://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=505552](https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505552)

### **STEM + Computing K-12 Education**

*National Science Foundation (NSF)*

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

The STEM+C Program focuses on research and development of interdisciplinary and transdisciplinary approaches to the integration of computing within STEM teaching and learning for preK-12 students in both formal and informal settings. The STEM+C program supports research on how students learn to think computationally to solve interdisciplinary problems in science and mathematics. The program supports research and development that builds on evidence-based teacher preparation or professional development activities that enable teachers to provide excellent instruction on the integration of computation and STEM disciplines. Proposals should describe projects that are grounded in prior evidence and theory, are innovative or potentially transformative, and that will generate and build knowledge about the integration of computing and one or more STEM disciplines at the preK-12 level. **PD-18-005Y**

- URL: [https://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=505006](https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505006)

### **Discovery Research PreK-12 (DRK-12)**

*National Science Foundation (NSF)*

**Due Date: 11/14/2018**

The Discovery Research PreK-12 program (DRK-12) seeks to significantly enhance the learning and teaching of science, technology, engineering, mathematics and computer science (STEM) by preK-12 students and teachers, through research and development of STEM education innovations and

approaches. Projects in the DRK-12 program build on fundamental research in STEM education and prior research and development efforts that provide theoretical and empirical justification for proposed projects. Projects should result in research-informed and field-tested outcomes and products that inform teaching and learning. Teachers and students who participate in DRK-12 studies are expected to enhance their understanding and use of STEM content, practices and skills. The DRK-12 program invites proposals that address immediate challenges that are facing preK-12 STEM education as well as those that anticipate radically different structures and functions of preK-12 teaching and learning. The DRK-12 program has three major research and development strands: (1) Assessment; (2) Learning; and (3) Teaching. The program recognizes the synergy among the three strands and that there is some overlap and interdependence among them. However, proposals should identify a clear focus of the proposed research efforts (i.e., assessment, learning, or teaching) consistent with the proposal's main objectives and research questions. The program supports five types of projects: (1) Exploratory, (2) Design and Development, (3) Impact, (4) Implementation and Improvement, and (5) Conferences and Syntheses. All five types of projects apply to each of the three DRK-12 program strands. **NSF 17-584**

- URL: <https://www.nsf.gov/pubs/2017/nsf17584/nsf17584.htm>

## ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

### Mathematical Multifaceted Integrated Capability Centers (MMICCs)

*United States Department of Energy (DOE) - Office of Science (OS)*

**Due Date: Pre-Applications 4/30/2018; Applications 5/23/2018**

The Office of Advanced Scientific Computing Research (ASCR) of the SC, U.S. Department of Energy (DOE), hereby invites applications for basic research that address fundamental challenges within DOE's mission areas of energy, environment and security, and from a perspective that requires new integrated efforts across multiple mathematical, statistical and computational disciplines. This solicitation is for new Mathematical Multifaceted Integrated Capability Centers (MMICCs) to enable greatly enhanced scientific discovery, design, optimization or decision-support capabilities for the

increasingly complex systems, processes, and problems that arise in science and energy research. Proposed research tightly focused on the solution of a particular science or engineering problem are outside the scope of this solicitation. These MMICCs will enable applied mathematics researchers to work together in large, collaborative teams to develop the mathematics needed to address significant scientific computing research challenges. The MMICCs allow researchers to take a broader view of the problem as a whole, and devise solution strategies that attack the problem in its entirety by building fundamental, multidisciplinary mathematical capabilities and tools cognizant of both existing and emerging computing paradigms. The MMICCs teams will have the flexibility and technical expertise to consider all aspects of the problem-solving process simultaneously - ranging from the mathematical formulation to the development, analysis, integration of appropriate models and methods, and demonstration of results and capabilities. **DE-FOA-0001900**

- URL: <https://www.grants.gov/custom/viewOppDetails.jsp?oppld=302336>

### **Computer Science for All**

*National Science Foundation (NSF)*

**Due Date: 5/9/2018, 2/12/2019**

This program aims to provide all U.S. students the opportunity to participate in computer science (CS) and computational thinking (CT) education in their schools at the preK-12 levels. With this solicitation, the National Science Foundation (NSF) focuses on researcher-practitioner partnerships (RPPs) that foster the research and development needed to bring CS and CT to all schools. Specifically, this solicitation aims to provide high school teachers with the preparation, professional development (PD) and ongoing support that they need to teach rigorous computer science courses; preK-8 teachers with the instructional materials and preparation they need to integrate CS and CT into their teaching; and schools and districts the resources needed to define and evaluate multi-grade pathways in CS and CT. **NSF 18-537**

- URL: <https://www.nsf.gov/pubs/2018/nsf18537/nsf18537.htm>

### **Grants**

*United Engineering Foundation (UEF)*

**Due Date: Concept Papers 6/1/2018; Formal Grant Proposals 8/1/2018**

The foundation advances the engineering arts and sciences for the welfare of humanity. It supports engineering and education by, among other means, making grants. Grants should be consistent with

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advancing engineering. The UEF Board of Trustees evaluates and judges proposals in view of the UEF mission, the perceived ability of the proposal and proposer(s) to further that mission, and the available funding. While all proposals meeting established deadlines and page requirements will be considered, certain UEF preferences should be understood by proposers:

- Broad-based, interdisciplinary proposals that further the engineering profession as a whole are preferred.
- Multiple-year proposals are welcome, but funding is awarded for a single year only. Proposals for subsequent years follow procedures identical to that of single-year proposals. No commitment for funding of subsequent years of a multiple-year project should be inferred from funding of a prior year.
- Projects that are outside "business as usual" of the proposing organization are preferred.
- Technical research proposals and proposals by individuals are seldom accepted.

- URL: <http://www.uefoundation.org/uef-grants-program/>

### **Research, Development and Training in Isotope Production**

*United States Department of Energy (DOE) - Office of Science (OS)*

**Due Date: 6/15/2018**

The DOE Isotope Program (IP), managed by SC Nuclear Physics (NP), hereby announces its interest in receiving applications for Research and Development (R&D) on novel methods to produce or improve production radioactive or enriched stable isotopes needed for a wide variety of research and applications. This announcement is administered under the NP Isotope Development & Production for Research and Applications (IDPRA) Sub-Program. The proposed R&D should generate data relevant to isotope production or lead to new and innovative technologies, or improvements to existing technologies to foster enhanced production of isotopes. Successful proposals will clearly describe how the outcome of the proposed work would support and enhance the production of isotopes used for research and applications in medicine, homeland security, the physical sciences, biological and geological sciences, energy, industry, etc. Applications incorporating effective ways to train personnel with essential knowledge and skills related to the production, processing, purification, and distribution of enriched stable and radioactive isotopes are strongly encouraged. **DE-FOA-0001896**

- URL: <https://www.grants.gov/custom/viewOppDetails.jsp?oppld=302434>

## **Centers for Chemical Innovation (CCI)**

*National Science Foundation (NSF)*

**Due Date: Phase I Preliminary Proposals 8/14/2018; Phase I Full Proposals 2/20/2019**

The Centers for Chemical Innovation (CCI) Program supports research centers focused on major, long-term fundamental chemical research challenges. CCIs that address these challenges will produce transformative research, lead to innovation, and attract broad scientific and public interest. CCIs are agile structures that can respond rapidly to emerging opportunities through enhanced collaborations. CCIs integrate research, innovation, education, broadening participation, and informal science communication. The FY 2019 Phase I CCI competition is open to projects in all fields supported by the Division of Chemistry, and must have scientific focus and the potential for transformative impact in chemistry. NSF Chemistry particularly encourages fundamental chemistry projects related to one or more of NSF's 10 Big Ideas. The CCI Program is a two-phase program. Both phases are described in this solicitation. Phase I CCIs receive significant resources to develop the science, management and broader impacts of a major research center before requesting Phase II funding. Satisfactory progress in Phase I is required for Phase II applications; Phase I proposals funded in FY 2019 will seek Phase II funding in FY 2022. This solicitation also covers the renewal application of the Phase II CCI initiated in FY 2014: the Center for Sustainable Polymers, led by the University of Minnesota. **NSF 18-555**

- URL: <https://www.nsf.gov/pubs/2018/nsf18555/nsf18555.htm>

## **Computational and Data-Enabled Science and Engineering in Mathematical and Statistical Sciences**

*National Science Foundation (NSF)*

**Due Date: 9/17/2018**

The CDS&E-MSS program accepts proposals that confront and embrace the host of mathematical and statistical challenges presented to the scientific and engineering communities by the ever-expanding role of computational modeling and simulation on the one hand, and the explosion in production of digital and observational data on the other. The goal of the program is to promote the creation and development of the next generation of mathematical and statistical theories and tools that will be essential for addressing such issues. To this end, the program will support fundamental research in mathematics and statistics whose primary emphasis will be on meeting the aforementioned computational and data-related challenges. This program is part of the wider Computational and Data-enabled Science and Engineering (CDS&E) enterprise in NSF that seeks to address this emerging discipline. The research supported by the CDS&E-MSS program will aim to advance mathematics or statistics in a significant way and will address computational or big-data challenges. Proposals of interest to the program will include a Principal Investigator or co-Principal Investigator who is a

researcher in the mathematical or statistical sciences in an area supported by the Division of Mathematical Sciences. The program encourages submission of proposals that include multidisciplinary collaborations or the training of mathematicians and statisticians in CDS&E. **PD 18-8069**

- URL: [https://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=504687](https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504687)

### **Combinatorics**

*National Science Foundation (NSF)*

**Due Date: 9/25/2018**

The Combinatorics program supports research on discrete structures and includes algebraic, enumerative, existential, extremal, geometric, and probabilistic combinatorics, including graph theory. **PD 18-7970**

- URL: [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=503570](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503570)

### **Foundations**

*National Science Foundation (NSF)*

**Due Date: 9/25/2018**

The program in Foundations supports research in mathematical logic and the foundations of mathematics, including proof theory, recursion theory, model theory, set theory, and infinitary combinatorics. **PD 18-1268**

- URL: [https://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5548](https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5548)

### **Probability**

*National Science Foundation (NSF)*

**Due Date: 9/25/2018**

The Probability Program supports research on the theory and applications of probability. Subfields include discrete probability, stochastic processes, limit theory, interacting particle systems, stochastic differential and partial differential equations, and Markov processes. Research in probability which involves applications to other areas of science and engineering is especially encouraged. **PD 18-1263**

- URL: [https://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5555](https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5555)

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## Statistics

*National Science Foundation (NSF)*

**Due Date: 12/17/2018**

The Statistics Program supports research in statistical theory and methods, including research in statistical methods for applications to any domain of science and engineering. The theory forms the base for statistical science. The methods are used for stochastic modeling, and the collection, analysis and interpretation of data. The methods characterize uncertainty in the data and facilitate advancement in science and engineering. The Program encourages proposals ranging from single-investigator projects to interdisciplinary team projects. **PD 18-1269**

- URL: [https://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5556](https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5556)

## Capabilities for Cyber Resiliency

*U.S. Department of Defense (DoD) – Air Force Materiel Command*

**Due Date – White Papers accepted until 9/30/2022**

Notice seeking white papers to ensure the success of cyberspace-dependent missions in air, space, and cyberspace by developing the next-generation technologies necessary to integrate and transition it into warfighting capabilities. **FA8750-18-S-7002**

- URL: <https://www.fbo.gov/index?id=7feb1ad9addcb9a4af70bb1673af3114>

## HEALTH, LIFE & EARTH SCIENCES

### Hillman Emergent Innovation Program: Request for Proposal

*Rita and Alex Hillman Foundation*

**Due Date: Preliminary Proposals 4/30/2018; Applications 7/23/2018**

The Hillman Emergent Innovation Program provides awards to accelerate the development of bold, nursing-driven interventions targeting the needs of vulnerable populations. The foundation seeks creative, early stage (pre-evidence or untested) innovations that target health and health care problems in new ways.

**Priority consideration will be given to proposals that include one or more of the following:**

- Engagement of patients, families, caregivers, and/or community organizations
- Inter-professional or multidisciplinary collaboration
- Institutional and community partnerships
- Provision of care in non-hospital settings
- Measurable goals and outcomes

- URL: <http://www.rahf.org/grant-programs/emergent-innovation-program/RFP>

### Addressing the Challenges of the Opioid Epidemic in Minority Health and Health Disparities Research in the U.S. (Clinical Trial Optional)

*National Institutes of Health (NIH)*

**Due Date: Letters of Intent 5/15/2018; Applications 6/14/2018**

The purpose of this Funding Opportunity Announcement (FOA) is to encourage developmental and exploratory research focused on determining the mechanisms for the variation in the prevalence of Opioid Use Disorder (OUD), and understanding and reducing disparities in opioid care in minority health and health disparity populations in the U.S. This initiative will also seek to identify multi-level intervention strategies at the institutional and systems level for addressing OUD in these populations.

**R21 (PAR-18-745):**

- URL: <https://grants.nih.gov/grants/guide/pa-files/PAR-18-745.html>

**R01 (PAR-18-747):**

- URL: <https://grants.nih.gov/grants/guide/pa-files/PAR-18-747.html>

### **STTI/ATI Educational Assessment Nursing Research Grant**

*Sigma Theta Tau International Honor Society of Nursing (STTI)*

**Due Date: 7/1/2018**

The Educational Assessment Nursing Research Grant co-sponsored by ATI Nursing Education (ATI) with the Sigma Foundation for Nursing will support research demonstrating the use of standardized assessments and curriculum support materials in nursing education. Possible research areas include, but are not limited to: admission and retention of students; assessing student performance and simulation. Allocation of funds is based on the quality of the proposed research, the future promise of the applicant, and the applicant's research budget. Applications from novice researchers who have received no other national research funds are encouraged.

- URL: <https://www.sigmanursing.org/advance-elevate/research/research-grants/stti-ati-educational-assessment-nursing-research-grant>

### **Exploration Grants**

*National Geographic Society*

**Due Date: 7/10/2018**

An Exploration Grant application is a request for funding by an experienced project leader in the areas of conservation, education, research, storytelling, and technology. The applicant and his or her team members are expected to demonstrate successful completion of similar projects with measurable and/or tangible results. If you have received a grant from National Geographic in the past, you may submit a new proposal after you have closed your previous grant record. All proposed projects should be bold, innovative, and potentially transformative and have a primary focus in conservation, education, research, storytelling, or technology.

**Projects should also align to one of our three focus areas:**

- Wildlife
- Human Journey
- Changing Planet

- URL: <https://www.nationalgeographic.org/grants/grant-opportunities/>

**Examining Diversity, Recruitment and Retention in Aging Research (R24 Clinical Trial Not Allowed)**

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

**Due Date: 9/25/2018, 1/25/2019, 5/25/2019 (Standard NIH due dates apply - letters of Intent due 30 days prior to application due date)**

This funding opportunity announcement encourages collaborative teams to target gaps in methods and outcomes regarding research participant recruitment and retention. The team approach encouraged by this initiative will be used to generate a research resource to advance processes for high yield recruitment, formulate breakthrough ideas, concepts and approaches to research participant recruitment and retention, strengthen outreach and community engagement practices, and devise improved communication strategies. Teams will demonstrate the success of these improvements by engaging a large diverse population. The primary outcome will be the development of a population of diverse community members ready to engage in NIA funded clinical research studies. **PAR-18-749**

- URL: <https://grants.nih.gov/grants/guide/pa-files/PA-18-749.html>

**Making Health care Safer in Ambulatory Care Settings and Long Term Care Facilities (R18)**

*U.S. Dept. of Health and Human Services (HHS) - Agency for Healthcare Research and Quality (AHRQ)*

**Due Date: 9/25/2018, 1/25/2019, 5/25/2019 (Standard NIH due dates apply – letters of intent due 30 days prior to application due date)**

The Agency for Healthcare Research and Quality's (AHRQ) mission is to produce evidence to make health care safer, of higher quality, more accessible, equitable, and affordable, and to work within the U.S. Department of Health and Human Services and with other partners to make sure that the evidence is understood and used. AHRQ's Center for Quality Improvement and Patient Safety (CQuIPS) works to ensure patient safety in multiple settings with recent efforts to increase the development of processes including measures, metrics, tools and practices to increase patient safety in the ambulatory care setting and long term care facilities. This Funding Opportunity Announcement (FOA) will fund large research demonstration and implementation projects that pertain to ambulatory care settings and long term care facilities with a focus on implementing evidence-based processes to improve patient safety, especially those involving transitions in care. AHRQ is interested in studies in these two settings that develop, utilize, and evaluate strategies to implement existing measures, metrics, tools or practices that have already been validated and have been shown to be efficacious in improving patient safety sites. **PA-18-750**

- URL: <https://grants.nih.gov/grants/guide/pa-files/PA-18-750.html>

## MULTIPLE DISCIPLINES

### Mathematical Biology

*National Science Foundation (NSF)*

**Due Date: 9/5/2018**

The Mathematical Biology Program supports research in areas of applied and computational mathematics with relevance to the biological sciences. Successful proposals are mathematically innovative and address challenging problems of interest to members of the biological community. Some projects of interest to the Mathematical Biology Program may include development of mathematical concepts and tools traditionally seen in other disciplinary programs within the Division of Mathematical Sciences, e.g., topology, probability, statistics, computational mathematics, etc. To receive appropriate and timely review, such proposals should be submitted directly to the relevant disciplinary program that has the earliest deadline, with other program(s) selected as secondary. Note that proposals that use established mathematical and computational tools to address problems in the biological sciences are typically not appropriate for submission to DMS. For further details on other disciplinary programs within DMS, see the corresponding program descriptions. In general, if a proposal is appropriate for review by more than one NSF program, it is advisable to contact the program officers handling each program to determine when the proposal should be submitted and to facilitate the review process. Usually, it is most appropriate to submit in line with the earliest program deadline. The Mathematical Biology Program regularly seeks joint reviews of proposals with programs in the Directorates of Biological Sciences and Engineering. Investigators are encouraged to discuss their project with program officers in relevant areas to determine if it should be submitted to more than one program. **PD-18-7334**

- URL: [https://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=5690](https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5690)

## NEW FACULTY/INVESTIGATOR

### William T. Grant Scholars Program

*William T. Grant Foundation*

**Due Date: Mentor and Reference Letters 6/27/2018; Applications 7/5/2018**

The William T. Grant Scholars Program supports career development for promising early-career researchers. The program funds five-year research and mentoring plans that significantly expand junior researchers' expertise in new disciplines, methods, and content areas. We recognize that early-career researchers are rarely given incentives or support to take such risks, so this award includes a mentoring component, as well as an emphasis on community and collaboration. Scholars Program applicants should have a track record of conducting high-quality research and an interest in pursuing a significant shift in their trajectories as researchers.

#### Focus Areas:

We fund research that increases understanding in one of our two focus areas:

- programs, policies, and practices that reduce inequality in youth outcomes, and
- strategies to improve the use of research evidence in ways that benefit youth.

We seek research that builds stronger theory and empirical evidence in these two areas. We intend for the research we support to inform change. While we do not expect that any one study will create that change, the research should contribute to a body of useful knowledge to improve the lives of young people.

- URL: <http://wtgrantfoundation.org/grants/william-t-grant-scholars-program>

### Early Career Grant

*National Geographic Society*

**Due Date: 7/10/2018**

Early Career Grants are designed to offer less experienced individuals an opportunity to lead a project. All proposed projects should be bold, innovative, and potentially transformative and have a primary focus in conservation, education, research, storytelling, or technology.

#### Projects should also align to one of our three focus areas:

- Wildlife
- Human Journey
- Changing Planet

- URL: <https://www.nationalgeographic.org/grants/grant-opportunities/>

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).



## **AAAS Early Career Award for Public Engagement with Science**

*American Association for the Advancement of Science (AAAS)*

**Due Date: Self-Nominations & Nominations 8/15/2018**

This award, established in 2010, recognizes early-career scientists and engineers who demonstrate excellence in their contribution to public engagement with science activities. For the purposes of this award, public engagement activities are defined as the individual's active participation in efforts to engage with the public on science- and technology-related issues and promote meaningful dialogue between science and society. Types of public engagement activities might include: informal science education, public outreach, public policy, and/or science communication activities, such as mass media, public dialogue, radio, TV and film, science caf&eacute;, science exhibit, science fair, and social and online media.

- **URL:** <https://www.aaas.org/page/aaas-early-career-award-public-engagement-science>

## SOCIAL & BEHAVIORAL SCIENCES

### **Mental Health Awareness Training Grants**

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

**Due Date: 6/8/2018**

The Substance Abuse and Mental Health Services Administration (SAMHSA), Center for Mental Health Services (CMHS) is accepting applications for fiscal year (FY) 2018 Mental Health Awareness Training grants (Short Title: MHAT). The purpose of this program is to: (1) train individuals (e.g., school personnel, emergency first responders, law enforcement, veterans, armed services members and their families) to recognize the signs and symptoms of mental disorders, particularly serious mental illness (SMI) and/or serious emotional disturbance (SED); (2) establish linkages with school- and/or community-based mental health agencies to refer individuals with the signs or symptoms of mental illness to appropriate services; (3) train emergency services personnel, veterans, law enforcement, fire department personnel, and others to identify persons with a mental disorder and employ crisis de-escalation techniques; and (4) educate individuals about resources that are available in the community for individuals with a mental disorder. It is expected that this program will prepare and train others on how to appropriately and safely respond to individuals with mental disorders, particularly individuals with SMI and/or SED. **SM-18-009**

- URL: <https://www.grants.gov/custom/viewOppDetails.jsp?oppld=298774>