

Funding Bulletin

May 20th, 2016 (Vol. 3, No. 16)

Funding Information

To receive funding information, please contact funding@wichita.edu.

NOTICE – Notification for the current Funding Bulletin is sent via email. To be added to the electronic mailing list, send an email message to: funding@wichita.edu. Leave the subject line blank. In the message area, type: *sub funding bulletin*. To unsubscribe, type: *unsub funding bulletin*.

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

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

[WORKSHOPS](#)

[NOTICES](#)

[LIMITED SUBMISSIONS](#)

[INTERNAL OPPORTUNITIES](#)

[GENERAL](#)

[ARTS & HUMANITIES](#)

[EDUCATION](#)

[ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES](#)

[HEALTH, LIFE & EARTH SCIENCES](#)

[INTERNATIONAL](#)

[NEW FACULTY/INVESTIGATOR](#)

[SOCIAL & BEHAVIORAL SCIENCES](#)

How to Apply

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

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

OFFICE OF RESEARCH WORKSHOPS

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

WORKSHOP TITLE	DATE	TIME	ROOM	DESCRIPTION
IP Disclosure Form Open Lab	June 7	2:00 – 4:00 p.m.	Devlin Hall Innovation Hub 215	Come with your questions and get assistance complaint an IP disclosure form for your ideas, technology, curriculum, research and more. <i>These are come-and-go labs with no registration required.</i>
Pivot Open Lab	June 23	2:30-4:00 p.m.	409E Jardine	The Office of Research will be holding Open Labs this fall for Faculty interested in using PIVOT as well as answering questions regarding their existing account. <i>This is a come and go lab with no registration required.</i>

NOTICES

Pivot User Satisfaction Survey

The Office of Research has created a short survey to gauge user satisfaction for Pivot, the comprehensive funding database that the university subscribes to. Participation is confidential and optional; results will be utilized to evaluate customer satisfaction with funding search support. Your feedback is appreciate! Please follow the link below to access the survey:

https://wichitastate.co1.qualtrics.com/jfe/form/SV_db6YUIt2HA8c6x

LIMITED SUBMISSIONS

Limited submission programs have sponsor restrictions on the number of proposals that may be submitted by a single institution and will require institutional screening to determine which applications will be submitted. Karen Davis, Director of Pre-Award Services, is the internal coordinator for limited submission programs. Please notify proposals@wichita.edu, by the internal due date listed in the Funding Bulletin if you wish to submit a limited submission program. **There are currently thirteen open limited submission competitions:**

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.

(1) Materials Research Science and Engineering Centers

National Science Foundation (NSF)

Due Date: Internal 5/20/2016; Preliminary Proposal 7/1/2016; Full Proposal 12/2/2016

Materials Research Science and Engineering Centers (MRSECs) provide sustained support of interdisciplinary materials research and education of the highest quality while addressing fundamental problems in science and engineering. MRSECs address research of a scope and complexity requiring the scale, synergy, and interdisciplinarity provided by a campus-based research center. They support materials research infrastructure in the United States, promote active collaboration between universities and other sectors, including industry and international institutions, and contribute to the development of a national network of university-based centers in materials research, education, and facilities. A MRSEC may be located at a single institution, or may involve multiple institutions in partnership. **Only one MRSEC preliminary proposal may be submitted by any one organization as the lead institution in this competition.** NSF 16-545

- URL: <http://www.nsf.gov/pubs/2016/nsf16545/nsf16545.htm>

(2) Practitioner-Researcher Partnership in Cognitive Behavioral Mentoring Program

U.S. Department of Justice (DOJ) - Office of Justice Programs (OJP) - Office of Juvenile Justice and Delinquency Prevention (OJJDP)

Due Date: Internal 5/20/2016; Application 6/13/2016

The Practitioner-Researcher Partnership in Cognitive Behavioral Mentoring Program will support the development, implementation, and evaluation of innovative mentoring approaches for youth at high risk for delinquency/juvenile and criminal justice involvement or victimization and trauma. These mentoring approaches must incorporate practices that are informed by research on cognitive behavioral interventions and techniques. The program will fund a partnership between a practitioner/service provider and an evaluator/researcher. Practitioner/service provider applicants should develop and implement cognitive behavioral-informed practices within existing mentoring programs. These new or enhanced approaches should be piloted, manualized, and implemented with a diverse target population (defined as populations that differ demographically and/or in implementation setting). Researcher applicants should design a rigorous evaluation that examines the program design, implementation fidelity and process, and program impact. OJJDP expects the practitioner and researcher to work closely throughout the application and program development, implementation, and evaluation. **OJJDP will consider only one application per lead applicant; however, subrecipients may be part of multiple proposals.**

- URL: <http://www.ojjdp.gov/grants/solicitations/FY2016/PractResearcherMentoring.pdf>

(3) Machine Learning and Understanding for High Performance Computing Scientific Discovery
United States Department of Energy (DOE) - Office of Science (OS)
Due Date: Internal 5/20/2016; Applications 6/21/2016

Proposals are being invited for basic research that significantly advances Machine Learning and Understanding for High Performance Computing Scientific Discovery in the context of emerging algorithms and software for extreme scale computing platforms and next generation networks. The Department of Energy has the responsibility to address the energy, environmental and nuclear security challenges that face our nation. The mission of the Office of Science is the delivery of scientific discoveries and major scientific tools to transform our understanding of nature and to advance the energy, economic, and national security of the United States. In the exascale computing timeframe, scientific progress will be predicated on our ability to process large, complex data sets from extreme scale simulations, experiments and observational facilities. Even at present, scientific data analysis is becoming a bottleneck in the discovery process; we can only assume that the problem will become more so in the coming decade. At the moment, scientists are often forced to create ad hoc solutions where a lack of scalable analytic capabilities means that there are large-scale experimental and simulation results that cannot be fully and quickly utilized. Moreover, the scientists lack dynamic insight into their analyses, unable to modify the experiment or simulation on the fly. How could we enable broadly applicable solutions to address these challenges? In this program, we envision that Machine Learning and Understanding may offer the potential to transform basic scientific research best practices, by enabling systems to self-manage, heal and find patterns and provide tools for the discovery of new scientific insights. The goal of this program is to enable and identify basic fundamental research challenges to enable extreme scale machine learning and understanding focusing specifically on high performance computing challenges. **DE-FOA-0001575 Each organization may submit at most four (4) applications as the Lead institution.**

- URL: <http://www.grants.gov/web/grants/view-opportunity.html?oppld=283072>

(4) William T. Grant Scholars Grants (William T. Grant Scholars Program)
Grant Foundation, William T.
Due Date: Internal 5/20/2016; Application 7/6/2016

The Program is for those in the social, behavioral, and health sciences. The Foundation encourages Scholars to tackle important questions that will advance theory, policy, and practice for youth. Applicants identify new methods, disciplines, or content they want to learn, and propose research plans that foster their growth in those areas. It recognizes that early-career researchers are rarely given incentives or support to take such risks, so this award includes a mentoring component. Individuals

should want to pursue a significant shift in their trajectories as researchers. The Foundation is focused on youth ages 5 to 25 in the United States. It funds research that increases the understanding of: - programs, policies, and practices that reduce inequality in youth outcomes; and - the use of research evidence in policy and practice. It seeks research that builds stronger theory and empirical evidence in these two areas. It intends for the research it supports to inform change. While it does not expect any one study will create that change, the research should contribute to a body of useful knowledge to improve the lives of young people. To propose research on reducing inequality, applicants should clearly identify the dimension of inequality (e.g., race, ethnicity, economic standing, and/or immigrant origins), and make a case for importance. Applicants should specify the youth outcome(s) to be studied (e.g., academic, social, behavioral, and/or economic), and show that the outcomes are currently unequal. **Major divisions (e.g. Colleges of Arts and Sciences, Medical School) of any institution may nominate only one applicant each year.**

- URL: <http://wtgrantfoundation.org/grants#apply-wtgrant-scholars>

(5) Modular Chemical Process Intensification Institute for Clean Energy Manufacturing
U.S. Department of Energy (DoE) – Office of Energy Efficiency and Renewable Energy (EERE)
Due Date: Internal 6/3/2016; Concept Paper 6/15/2016; Full Proposal 8/17/2016

The Office of Energy Efficiency and Renewable Energy (EERE), within the U.S. Department of Energy (DOE), invests in cutting-edge research, development, and demonstration (RD&D) activities focused on sustainable transportation, renewable power, and energy efficiency. A core element of EERE's mission is to enhance U.S. global competitiveness in innovation and manufacturing in emerging clean energy industries. To address this core element, EERE launched its Clean Energy Manufacturing Initiative (CEMI) in 2013 with the goal of significantly increasing U.S. manufacturing competitiveness in the production of clean energy products and in domestic manufacturing across the board by increasing industrial energy productivity. EERE's Advanced Manufacturing Office (AMO) plays a key role in executing the mission for CEMI by supporting research and development projects, shared research facilities and technical consortia, and technical assistance programs. AMO partners with private and public stakeholders to support the research, development, demonstration, and deployment (RDD&D) of innovative technologies that can improve U.S. competitiveness, save energy, and ensure global leadership in manufacturing of clean energy technologies as well as improve energy efficiency and reduce energy consumption in manufacturing. Specifically, AMO invests in cost-shared RDD&D activities in support of cross-cutting next generation materials and manufacturing processes that hold high potential to significantly improve energy efficiency and reduce energy-related emissions, industrial waste, and the life-cycle energy consumption of manufactured products. EERE's AMO establishes Manufacturing Innovation Institutes in the President's National Network for Manufacturing Innovation (NNMI) as shared research, development, and demonstration facilities to overcome cross-cutting challenges related to the manufacturing of clean energy and energy efficiency products, in

addition to challenges associated with improving the energy efficiency of the manufacturing sector across the board.¹ This FOA supports the establishment of a Manufacturing Innovation Institute on Modular Chemical Process Intensification for Clean Energy Manufacturing. Modular chemical process intensification represents an emerging opportunity for processing industries in the U.S. manufacturing sector to improve energy efficiency, reduce feedstock waste, and improve productivity by merging and integrating separate unit processes (mixing, reactions, separation) into single modular hardware elements of reduced size, with higher efficiency and providing inherent scalability. The opportunity to be addressed in this FOA is the applied research, development, and demonstration, of Modular Chemical Process Intensification technology for processing industries in the U.S. manufacturing sector, to improve energy efficiency, reduce feedstock waste, increase scalability, increase potential for the use of distributed energy resources and feedstocks, and improve productivity. **DE-FOA-0001578** *An entity may only submit one Concept Paper and one Full Application for consideration under this FOA.*

- URL: <https://eere-exchange.energy.gov/#Foald9121dd0f-ea3d-48b2-89d5-f51c6d379bf1>

(6) BD2K Predoctoral Training in Biomedical Big Data Science (T32)

National Institutes of Health (NIH)

Due Date: Internal 6/10/2016; Application 7/25/2016

The purpose of this Funding Opportunity Announcement (FOA) is to solicit applications for graduate training programs in Big Data Science, for the expressed purpose of training the next generation of scientists who will develop computational and quantitative approaches and tools needed by the biomedical research community to work with Big Data in the biomedical sciences. The proposed training programs should prepare qualified individuals for careers in developing new technologies and methods that will allow biomedical researchers to maximize the value of the growing volume and complexity of biomedical data. **RFA-LM-16-002** *Only one application per institution, identified by a unique DUNS number, will be accepted.*

- URL: <https://grants.nih.gov/grants/guide/rfa-files/RFA-LM-16-002.html>

(7) Mallinckrodt Grants

Mallinckrodt Foundation, Edward Jr.

Due Date: Internal 6/10/2016; Application 8/1/2016

The mission of the Foundation is to support early stage investigators engaged in basic biomedical research that has the potential to significantly advance the understanding, diagnosis or treatment of disease. The funds are designed to provide new faculty members with support to move the project

forward to the point where R01 or other independent funding can be obtained. **Effective April 20, 2016, only one applicant per institution will be accepted.**

- URL: <http://www.emallinckrodtfoundation.org/Application.html>

(8) Art Works: Arts Education

National Endowment for the Arts (NEA)

Due Date: Internal 6/10/2016; Step 1 Application 7/14/2016, Step 2 Submit Materials to NEA-GO 7/28/2016

The guiding principle of "Art Works" is at the center of everything we do at the NEA. "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. To deepen and extend the arts' value, including their ability to foster new connections and to exemplify creativity and innovation, we welcome 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, we want 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. **Generally, an organization is limited to one application per year under the Art Works category.**

- URL: <https://www.arts.gov/grants-organizations/art-works/arts-education>

(9) Art Works II

National Endowment for the Arts (NEA)

Due Date: Internal 6/10/2016; Application 7/14/2016

"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. 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.

An organization may submit only one application under these FY 2017 Art Works guidelines, with few exceptions, please refer to the solicitation for details.

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

(10) Media Projects: Production Grants

National Endowment for the Humanities (NEH)

Due Date: Internal 6/24/2016; Application 8/10/2016

Production grants support the production and distribution of digital projects, films, television programs, radio programs, and related programs that promise to engage the public. Media Projects grants support the following formats:

- film and television projects; and
- radio projects.

Film and television projects may be single programs or a series addressing significant figures, events, or ideas. Programs must be intended for national distribution. The Division of Public Programs welcomes projects ranging in length from short-form to broadcast-length video. Radio projects may involve single programs, limited series, or segments within an ongoing program. They may also develop new humanities content to augment existing radio programming or add greater historical background or humanities analysis to the subjects of existing programs. They may be intended for regional or national distribution. NEH encourages projects that engage public audiences through multiple formats in the exploration of humanities ideas. Proposed projects might include complementary components to a film, television, or radio project. These components should deepen the audience's understanding of the subject: for example, websites, mobile applications, museum exhibitions, book/film discussion programs, or podcasts. **Production grants** support the production and distribution of films, television programs, radio programs, and related programs that promise to engage the public. ***Applicants may not submit multiple applications for the same project at the same deadline. If an application for a project is already under review, another application for the same project cannot be accepted by this or any other NEH grant opportunity.***

- URL: <http://www.neh.gov/grants/public/media-projects-production-grants>

(11) Media Projects: Development Grants

National Endowment for the Humanities (NEH)

Due Date: Internal 6/24/2016; Application 8/10/2016

Development Grants support film, television, and radio projects for general audiences that encourage active engagement with humanities ideas in creative and appealing ways. All projects must be grounded in humanities scholarship in disciplines such as history, art history, film studies, literature, drama, religious studies, philosophy, or anthropology. Projects must also demonstrate an approach that is thoughtful, balanced, and analytical (rather than celebratory). The approach to the subject matter must go beyond the mere presentation of factual information to explore its larger significance and stimulate critical thinking. NEH is a national funding agency, so the projects we support must

demonstrate the potential to attract a broad general audience. Humanities projects are welcomed that are tailored to particular groups, such as families, youth (including K-12 students), teachers, seniors, at-risk communities, and veterans, but they should also strive to cultivate a more inclusive audience. Film and television projects may be single programs or a series addressing significant figures, events, or ideas. Programs must be intended for national distribution, via traditional carriage or online distribution. The Division of Public Programs welcomes projects that range in length from short-form to broadcast-length video. Radio projects, including podcasts, may involve single programs, limited series, or segments within an ongoing program. They may also develop new humanities content to augment existing radio programming or add greater historical background or humanities analysis to the subjects of existing programs. They may be intended for regional or national distribution. NEH encourages projects that engage public audiences through multiple formats in the exploration of humanities ideas. Proposed projects might include complementary components to a film, television, or radio project. These components should deepen the audience's understanding of the subject in a supplementary manner: for example, book/film discussion programs, supplementary educational websites, or museum exhibitions. **Development grants** enable media producers to collaborate with scholars to develop humanities content and to prepare programs for production. Grants should result in a script or treatment and should also yield a detailed plan for outreach and public engagement. ***Applicants may not submit multiple applications for the same project at the same deadline. If an application for a project is already under review, another application for the same project cannot be accepted by this or any other NEH grant opportunity.***

- URL: <http://www.neh.gov/grants/public/media-projects-development-grants>

(12) Physics Frontiers Centers (PFC)

National Science Foundation (NSF)

Due Date: Internal 6/24/2016; Preliminary Proposals 8/1/2016; Full Proposals 1/30/2017

The PFC program supports university-based centers and institutes where the collective efforts of a larger group of individuals can enable transformational advances in the most promising research areas. The program is designed to foster major breakthroughs at the intellectual frontiers of physics by providing needed resources such as combinations of talents, skills, disciplines, and/or specialized infrastructure, not usually available to individual investigators or small groups, in an environment in which the collective efforts of the larger group can be shown to be seminal to promoting significant progress in the science and the education of students. Activities supported through the program are in all sub-fields of physics within the purview of the Division of Physics: atomic, molecular, optical, plasma, elementary particle, nuclear, astro-, gravitational, and biological physics. Interdisciplinary projects that connect these physics areas to other disciplines and physics sub-fields not within the purview of the Physics Division may also be considered, although the bulk of the effort should fall within one of those areas within the purview of the Physics Division. Proposals using experimental, theoretical, or

computational methods, or any combination, will be considered. The successful PFC activity will demonstrate: (1) the potential for a profound advance in physics; (2) creative, substantive activities aimed at enhancing education, diversity, and public outreach; (3) potential for broader impacts, e.g., impacts on other field(s) and benefits to society; (4) a synergy or value-added rationale that justifies a center- or institute-like approach. **No more than two preliminary proposals may be submitted by any one institution. The same limitation applies to full proposals. While more than one institution may participate in a single proposal or preliminary proposal, a single institution must accept overall management responsibility for the PFC. Although collaborations between institutions are strongly encouraged, the proposal must be submitted by only one institution with funding provided to the other institutions through subawards; use of separately submitted collaborative proposals is not permitted.** NSF 16-561

- URL: <http://www.nsf.gov/pubs/2016/nsf16561/nsf16561.htm>

(13) NIH Director's Early Independence Awards (DP5)

National Institutes of Health (NIH) - National Institute of Dental & Craniofacial Research (NIDCR)
Due Date: Internal 7/1/2016; Letters of Intent 8/12/2016; Applications 9/12/2016

The NIH Director's Early Independence Award Program supports exceptional investigators who wish to pursue independent research directly after completion of their terminal doctoral/research degree or clinical residency, thereby forgoing the traditional post-doctoral training period and accelerating their entry into an independent research career. **Only up to two applications per institution are allowed.**
RFA-RM-16-006

- URL: <https://grants.nih.gov/grants/guide/rfa-files/RFA-RM-16-006.html>

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 2016 deadlines. For more information, visit

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

Check back in late summer for updated instructions and application forms for both opportunities.

GENERAL

Roslyn S. Jaffe Awards

Ascena Foundation

Due Date: 6/17/2016

The Roslyn S. Jaffe Awards is a not-for-profit program that gives financial awards to everyday heroes who are making the world a better place for women and children, specifically in the areas of health, education, social reform and esteem. These awards honor the lifelong contributions of Roslyn S. Jaffe.

- URL: <http://www.jaffeawards.com/jaffe/nominate.aspx>

ARTS & HUMANITIES

Humanities Connections

National Endowment for the Humanities (NEH)

Due Date: 10/5/2016

Humanities Connections grants seek to expand the role of the humanities in the undergraduate curriculum at two- and four-year institutions, offering students in all academic fields new opportunities to develop the intellectual skills and habits of mind that the humanities cultivate. Grant projects focus on connecting the resources and perspectives of the humanities to students' broader educational and professional goals, regardless of their path of study. Through this new grant program, NEH invites proposals that reflect innovative and imaginative approaches to preparing students for their roles as engaged citizens and productive professionals in a rapidly changing and interdependent world. Grants support the development and implementation of an integrated set of courses and student engagement activities focusing on significant humanities content. A common topic, theme, or compelling issue or question must link the courses and activities. The linked courses (a minimum of three) may fulfill general education or core curriculum requirements but could also be designed primarily for students in a particular major or course of study. The Humanities Connections program gives special encouragement to projects that foster collaboration between humanities faculty and their counterparts in the social and natural sciences and pre-service or professional programs in business, engineering, health sciences, law, computer science, and other non-humanities fields. Humanities Connections projects have two core features: 1. faculty from at least two separate departments or schools at a single institution must collaborate to devise new curricular arrangements; and 2. projects

must include provisions for high-impact student engagement activities that relate directly to the topic(s) of the linked courses. These activities could include individual or collaborative undergraduate research projects; opportunities for civic engagement; or a structured experience with community-based, project-based, or site-based learning. Community organizations and cultural institutions can play key roles in this regard.

- URL: <http://www.neh.gov/grants/education/humanities-connections>

Emergency Grants

Foundation for Contemporary Art

Due Date: Open

Since its inception in 1963, the mission of the [Foundation for Contemporary Arts](http://www.foundationforcontemporaryarts.org) has been to encourage, sponsor, and promote innovative work in the arts created and presented by individuals, groups, and organizations. Created in 1993, the foundation's Emergency Grants program provides grants of up to \$2,000 to innovative visual and performing artists who have unanticipated, sudden opportunities to present their work to the public when there is insufficient time to seek other sources of funding; or who incur unexpected or unbudgeted expenses for projects close to completion with committed exhibition or performance dates. To be eligible, applicants must be living, working, and paying taxes in the United States; have committed to a performance or exhibition opportunity and be able to provide specific dates at the time of application; and be an individual artist or an individual representing an artist collective, ensemble, or group. Curators, producers, workshop organizers, organizations, or arts presenters are not eligible to apply. Applications are reviewed monthly by a volunteer committee of established artists. FCA recommends applying within six to eight weeks of the performance or exhibition date.

- URL: <http://www.foundationforcontemporaryarts.org/grants/emergency-grants>

EDUCATION

Lyle Spencer Research Awards: Advancing Understanding of Education Practice and Its Improvement

Spencer Foundation

Due Date: Letters of Intent 7/12/2016; Invited Proposals 10/13/2016

This program was introduced in 2014 as the successor to the Foundation's long-standing Major Research Grants program. Its aim is to support intellectually ambitious, large-scale education research projects with budgets between \$100,000 and \$1,000,000. This program encourages proposals initiated by scholars across a variety of disciplines and fields in an effort to create much-needed space for creative and ambitious research projects that promise to advance our understanding of educational practice and its improvement. With this program, the Foundation aims to reinforce its commitment to intellectually ambitious research, oriented ultimately to improving the practice of education, and independent of any particular reform agendas or methodological strictures. This is not at base a change of direction for a foundation that has always aimed to foster creative and open-minded scholarship; it is however an emphatic assertion of the Foundation's determination to search for and support the most challenging, original, and constructive scholarship and research we can find. The Foundation intends through this endeavor to press its colleagues in the research community to raise their level of intellectual ambition, to encourage work that is more thoughtful, more critical of prevailing assumptions, more self-critical about their own work and its limitations, and more relevant to the aim of building knowledge for improved educational practice. In foregrounding the notion of "education practice" the Foundation risks misunderstanding. The Foundation does not intend that this program should seek only directly applied research about interactions between teachers and students, important as such research is. Successful educational practice depends upon an infrastructure that includes the conditions under which teachers practice, the curricular frameworks that guide their work, the provision made for their training and professional development, and so on. The Foundation envisions a large-minded conception of educational practice that encompasses the institutional, policy, and normative frameworks within which instructional practice is enacted. Moreover, it recognizes as well that instruction is not confined to the classroom but is an aspect of life in settings that can range from the workplace to the playing field, any of which may in the right circumstance provide the basis for rewarding study. To clarify this point about connecting to practice - connecting the dots, as it were - the Foundation suggests that a significant share of the successful proposals it will fund under this initiative will fall into one of three broad categories:

1. Studies that focus more or less directly on teaching and learning processes themselves, at the classroom level (or in instructional settings outside classrooms).
2. Studies that pay attention to the larger policy and institutional environments within which educational transactions take place.

3. Studies that help develop research tools that can support advancing the kinds of research the Foundation has identified here.

These three categories might be labeled studies of instructional practice, of the educational infrastructure that supports or hinders effective practice, and of the research infrastructure that supports inquiry into educational practice. These categories are definitely not meant to be either exhaustive or mutually exclusive, but the Foundation thinks they do helpfully map the terrain.

- URL: <http://www.spencer.org/lyle-spencer-research-awards>

Robert Noyce Teacher Scholarship Program

National Science Foundation (NSF)

Due Date: 9/6/2016

The National Science Foundation Robert Noyce Teacher Scholarship Program seeks to encourage talented science, technology, engineering, and mathematics majors and professionals to become K-12 STEM teachers. The program invites creative and innovative proposals that address the critical need for recruiting and preparing highly effective K-12 STEM teachers, especially in high-need local educational agencies. The program offers four tracks:

Track 1: The Robert Noyce Teacher Scholarships and Stipends Track

Track 2: The NSF Teaching Fellowships Track

Track 3: The NSF Master Teaching Fellowships Track

Track 4: Noyce Research Track.

In addition, Capacity Building proposals are accepted from proposers intending to develop a future Track 1, 2, or 3 proposal. **NSF 16-559**

- URL: <http://www.nsf.gov/pubs/2016/nsf16559/nsf16559.htm>

ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

Civil, Mechanical and Manufacturing Innovation (CMMI) Unsolicited Proposals

National Science Foundation (NSF)

Due Date: 9/15/2016, 2/15/2017

The Division of Civil, Mechanical and Manufacturing Innovation (CMMI) is one of the five divisions in the Directorate for Engineering at the National Science Foundation (NSF). Its mission is to fund fundamental research and education in support of the Foundation's mission through:

- Advances in knowledge to enable manufacturing, design and use of engineering materials, and building technologies across scales from nanometers to kilometers,
- Advances that improve the resilience and sustainability of the nation's civil infrastructure, including reduction of risk and damage from natural and human-induced disasters, and
- Advances in engineering mathematics, engineering decision-making, and systems control and engineering.

The Division encourages cross-disciplinary research partnerships at the intersections of traditional disciplines supported across NSF to promote transformative advances in support of the CMMI mission. It also encourages discovery enabled by the use of cross-cutting technologies such as adaptive systems, nanotechnology, and simulation. The integration of research and education is supported across all programs of the Division. CMMI is organized into four program clusters, each containing three to five research programs:

- [Advanced Manufacturing](#)
- [Mechanics and Engineering Materials](#)
- [Resilient and Sustainable Infrastructures](#)
- [Operations, Design and Dynamical Systems](#)

- **URL:** <http://www.nsf.gov/div/index.jsp?div=CMMI>

Focused Research Groups in the Mathematical Sciences (FRG)

National Science Foundation (NSF)

Due Date: 9/18/2016

The purpose of the FRG activity is to allow groups of researchers to respond to recognized scientific needs of pressing importance, to take advantage of current scientific opportunities, or to prepare the ground for anticipated significant scientific developments in the mathematical sciences. Groups may

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.

include, in addition to mathematicians and statisticians, researchers from other science and engineering disciplines appropriate to the proposed research. The activity supports projects for which the collective effort by a group of researchers is necessary to reach the scientific goals. Projects should be scientifically focused and well-delineated. It is not the intent of this activity to provide general support for infrastructure. Projects should also be timely, limited in duration to up to three years, and substantial in their scope and impact. **NSF 12-566**

- URL: <http://www.nsf.gov/pubs/2012/nsf12566/nsf12566.htm>

HEALTH, LIFE & EARTH SCIENCES

Growing Great Ideas: Research Education Course in Product Development and Entrepreneurship for Life Science Researchers (R25)

National Institutes of Health (NIH) - National Institute on Drug Abuse (NIDA)

Due Date: Letters of Intent 6/20/2016; Applications 7/20/2016

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The over-arching goal of this NIDA R25 program is to support educational activities that enhance the training of a workforce to meet the nation's biomedical, behavioral and clinical research needs. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on Courses for Skills Development. This FOA solicits applications to develop and implement research education programs/short courses in entrepreneurship, innovation and product development specifically targeting bench life scientists. The institution proposing the course must be a research-intensive institution that has an established and well-recognized entrepreneurship teaching program with the demonstrated ability and willingness to adapt/develop and deliver the integrated curriculum for the academic life scientists, including scientists working in the field of drug abuse and addiction research. The short courses should primarily target independent academic neuroscience researchers and post-doctoral fellows interested in incorporating product (drug, device, diagnostics, research tool, mobile health application, etc.) development into their research programs with the goal of future commercialization. **RFA-DA-17-007**

- URL: <https://grants.nih.gov/grants/guide/rfa-files/RFA-DA-17-007.html>

Coupling, Energetics, and Dynamics of Atmospheric Regions (CEDAR)

National Science Foundation (NSF)

Due Date: 7/18/2016

CEDAR is a broad-based, community-guided, upper atmospheric research program. The goal is to understand the behavior of atmospheric regions from the middle atmosphere upward through the thermosphere and ionosphere into the exosphere in terms of coupling, energetics, chemistry, and dynamics on regional and global scales. These processes are related to the sources of perturbations that propagate upward from the lower atmosphere as well as to solar radiation and particle inputs from above. The activities within this program combine observations, theory and modeling. The specific goals of the CEDAR program include the study of: 1) dynamics and energetics of the upper atmosphere, with particular emphasis on the region between 60 and 150 km; 2) coupling between the mesosphere, ionosphere, thermosphere, exosphere, and magnetosphere; and 3) horizontal coupling between adjacent geographic regions. The CEDAR program encourages the use of both chains and clusters of instruments in scientific studies of atmosphere coupling processes, as well as the development of new instrumentation and modeling approaches and algorithms. The CEDAR community continuously strives to update its science plan to focus on specific high-priority research areas. **NSF 14-545**

- URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5503

GeoPRISMS Program

National Science Foundation (NSF)

Due Date: 7/26/2016

GeoPRISMS (Geodynamic Processes at Rifting and Subducting Margins) Program investigates the coupled geodynamics, earth surface processes, and climate interactions that build and modify continental margins over a wide range of timescales. These interactions cross the shoreline and have applications to margin evolution and dynamics, construction of stratigraphic architecture, accumulation of economic resources, and associated geologic hazards and environmental management. The GeoPRISMS Program includes two broadly integrated science initiatives (Subduction Cycles and Deformation and Rift Initiation and Evolution), linked by five overarching scientific topics and themes, where transformative advances are likely to occur in the decade 2011-2020, and where a focused scientific program could be most effective. These overarching science topics include 1) Origin and evolution of continental crust; 2) Fluids, magmas and their interactions; 3) Climate-surface-tectonics feedbacks; 4) Geochemical cycles; and 5) Plate boundary deformation and geodynamics. Each of the initiatives has identified primary sites for focused investigations, as well as thematic studies that will complement primary site studies. **NSF 16-560**

- URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13516

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Science & SciLifeLab Prize for Young Scientists

Science

Due Date: 8/1/2016

The Prize is awarded annually to one young scientist for outstanding life science research for which he/she was awarded a doctoral degree in the previous two years. The topic of the entrant's thesis research must be in one of the following categories: **Cell and Molecular Biology, Genomics and Proteomics, Ecology and Environment, Translational Medicine**. Eligible entrants must have been awarded their doctoral degree in 2014 or 2015, and the subject of their thesis should match one of the Subject Tracks referenced above. The winners from each category will compete for the grand prize.

- URL: <http://scienceprize.scilifelab.se/how-to-apply-science-prize/>

The National Institute on Aging (NIA) Late Onset of Alzheimer's Disease (LOAD) Family-Based Study (FBS) (U24)

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

Due Date: (Optional Letter of Intent due 30 prior to application due date) 9/25/2016, 1/25/2017, 5/25/2017 (standard NIH due dates apply)

This Funding Opportunity Announcement (FOA) invites applications specific to infrastructure to support the Alzheimer's Disease Sequencing Project (ADSP) related to the collection, longitudinal follow-up, ascertainment of antecedent risk factors, and the characterization of additional relatives from families multiply affected with Alzheimer's disease (AD) in order to expand the existing NIA Late Onset of AD Family Based Study sample set. **PAR-16-205**

- URL: <https://grants.nih.gov/grants/guide/pa-files/PAR-16-205.html>

Improving Smoking Cessation in Socioeconomically Disadvantaged Populations Via Scalable Interventions

National Institutes of Health (NIH) - National Cancer Institute (NCI)

Due Date: 10/11/2016, 6/13/2017, 10/11/2017

The purpose of this Funding Opportunity Announcement (FOA) is to provide support for highly innovative and promising intervention research designed to improve smoking cessation outcomes among socioeconomically disadvantaged populations. Specifically, this FOA is intended to stimulate research efforts aimed at the development of smoking cessation interventions that: 1) are targeted to socioeconomically disadvantaged populations, and 2) could be made scalable for broad population impact. Applicants may propose projects that develop and test novel cessation interventions with the

potential to be scaled up, as well as projects that focus on enhancing the effectiveness, quality, accessibility, utilization, and cost-effectiveness of currently scaled smoking cessation interventions. This FOA provides funding for up to 5 years for research planning, intervention delivery, and follow-up activities.

R01 (PAR-16-202)

- URL: <https://grants.nih.gov/grants/guide/pa-files/PAR-16-202.html>

R21 (PAR-16-201)

- URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-16-201.html>

Leveraging Cognitive Neuroscience to Improve Assessment of Cancer Treatment-Related Cognitive Impairment (R21)

National Institutes of Health (NIH) - National Cancer Institute (NCI)

Due Date: 10/13/2016, 4/11/2017, 10/10/2017

This Funding Opportunity Announcement (FOA) encourages transdisciplinary research that will leverage cognitive neuroscience to improve traditional measurement of cognitive impairment following cancer treatment, often referred to as "chemobrain." A better understanding of the acute- and late-term cognitive changes following exposure to adjuvant chemotherapy and molecularly-targeted treatments, including hormonal therapy, for non-central nervous system tumors can inform clinical assessment protocols with downstream implications for survivorship care plans. **PAR-16-213**

- URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-16-213.html>

Expeditions Council Grant

National Geographic Society

Due Date: Pre-Applications continuously accepted

The Expeditions Council is an editorially driven grant program that supports exploration and adventure worldwide. Proposed projects must have the potential to yield compelling stories and images. Applications are also judged on the qualifications of applicants and their teams, and on the project's merit, uniqueness and safety protocols. While the Expeditions Council funds a broad range of exploration and adventure, if a project is based on scientific inquiry, applicants must provide detailed methodology. In addition, all projects must adhere to applicable scientific or professional ethical standards, which are outlined in the grant application and are subject to scientific review. The Expeditions Council offers its grantees the opportunity to work effectively with National Geographic's

many divisions. Grantees are therefore able to share the results of their expeditions with National Geographic's global audience.

- URL: <http://www.nationalgeographic.com/explorers/grants-programs/ec-apply/>

Collaborative Activity Awards

McDonnell Foundation, James S. (JSMF)

Due Date: Letters of Inquiry continually accepted

The Foundation offers Collaborative Activity Awards to initiate interdisciplinary discussions on problems or issues, to help launch interdisciplinary research networks, or to fund communities of researchers/practitioners dedicated to developing new methods, tools, and applications of basic research to applied problems. In each case the focus of the collaborative activity must meet the program guidelines for one of the following program areas:

- Studying Complex Systems
- Mathematical & Complex Systems Approaches for Brain Cancer
- Understanding Human Cognition

With the Collaborative Activity Awards, JSMF continues and formalizes a funding mechanism the Foundation has used since 1987. Over the past decade or so, the Foundation has from time to time provided grants to support study panels and research networks. This has proven to be an effective way to encourage cross-disciplinary thinking and research on fundamental questions. Furthermore, these activities have contributed to the development of programs both at the Foundation and at other funding agencies.

- URL: <https://www.jsmf.org/apply/collaborative/index.htm>

INTERNATIONAL

Ireland: Mary Ball Washington Award in American History

Institute of International Education (IIE) - Fulbright Scholar Program

Due Date: 8/1/2016

The award is for teaching and research at University College Dublin, School of History, Dublin. Applications are sought in all appropriate disciplines, but applications in the following disciplines are preferred: American History. Applications are sought in all appropriate specializations, but applications in the following specializations are preferred: 19th and 20th century U.S. history. The grantee will conduct a combination of teaching and research, with the teaching component of the grant to be agreed upon with Head of School. The scholar will also have the opportunity to conduct and present his/her own research. The selected scholar will also be expected to mentor graduate students and to contribute to the school's Distinguished Lecture Series.

- URL: <https://catalog.cies.org/viewAward.aspx?n=7519&dc=EI>

Core Fulbright U.S. Scholar Program

U.S. Department of State – Bureau of Educational and Cultural Affairs

Due Date: 8/1/2016

The Core Fulbright Scholar Program offers nearly 500 teaching, research or combination teaching/research awards in over 125 countries. Opportunities are available for college and university faculty and administrators as well as for professionals, artists, journalists, scientists, lawyers, independent scholars and many others. In addition to several new program models designed to meet the changing needs of U.S. academics and professionals, Fulbright is offering more opportunities for flexible, multi-country grants.

- URL: <http://www.cies.org/program/core-fulbright-us-scholar-program>

NEW FACULTY / INVESTIGATOR

Research Associateship Programs (RAP)

The National Academies

Due Dates: 8/1/2016, 11/1/2016, 2/1/2017, 5/1/2017

The National Research Council has conducted the Research Associateship Programs in cooperation with sponsoring federal laboratories and other research organizations approved for participation since 1954. Through a national competition, the NRC recommends and makes Research Associateship awards to outstanding scientists and engineers, at the postdoctoral and senior levels, for tenure as guest researchers at the participating laboratories. A limited number of opportunities are available for support of graduate students in select fields. The objectives of the Research Associateship Programs are (1) to provide postdoctoral and senior scientists and engineers of unusual promise and ability opportunities for research on problems, largely of their own choice that are compatible with the interests of the sponsoring laboratories and (2) to, thereby, contribute to the overall efforts of the laboratories. For recent doctoral graduates, the Research Associateship Programs provide an opportunity for concentrated research in association with selected members of the permanent professional laboratory staff. For established scientists and engineers, the Research Associateship Programs afford an opportunity for research without the interruptions and distracting assignments of permanent career positions.

- URL: <http://sites.nationalacademies.org/pqa/rap/>

SOCIAL & BEHAVIORAL SCIENCES

Developmental and Learning Sciences (DLS)

National Science Foundation (NSF)

Due Date: 7/15/2016, 1/17/2017

DLS supports fundamental research that increases our understanding of cognitive, linguistic, social, cultural, and biological processes related to children's and adolescents' development and learning. Research supported by this program will add to our basic knowledge of how people learn and the underlying developmental processes that support learning, social functioning, and productive lives as members of society. DLS supports research that addresses developmental processes within the domains of cognitive, social, emotional, and motor development using any appropriate populations for

the topics of interest including infants, children, adolescents, adults, and non-human animals. The program also supports research investigating factors that impact development change including family, peers, school, community, culture, media, physical, genetic, and epigenetic influences. Additional priorities include research that: incorporates multidisciplinary, multi-method, microgenetic, and longitudinal approaches; develops new methods, models, and theories for studying learning and development; includes participants from a range of ethnicities, socioeconomic backgrounds, and cultures; and integrates different processes (e.g., learning, memory, emotion), levels of analysis (e.g., behavioral, social, neural), and time scales (e.g. infancy, middle childhood, adolescence). The DLS program also accepts proposals for workshops and small conferences. **PD 08-1698**

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

Law & Social Sciences (LSS)

National Science Foundation (NSF)

Due Date: 8/1/2016, 1/15/2017

The Law & Social Sciences Program considers proposals that address social scientific studies of law and law-like systems of rules. The Program is inherently interdisciplinary and multi-methodological. Successful proposals describe research that advances scientific theory and understanding of the connections between law or legal processes and human behavior. Social scientific studies of law often approach law as dynamic, made in multiple arenas, with the participation of multiple actors. **NSF 15-514**

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

1. Crime, Violence and Punishment
2. Economic Issues
3. Governance
4. Legal Decision Making
5. Legal Mobilization and Conceptions of Justice
6. Litigation and the Legal Profession

LSS provides the following modes of support:

1. Standard Research Grants and Grants for Collaborative Research
2. Doctoral Dissertation Research Improvement Grants
3. Interdisciplinary Postdoctoral Fellowships
4. Workshop and Conference Awards

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

SJI Grants

State Justice Institute (SJI)

Due Dates: 8/1/2016, 11/1/2016

SJI was established by federal law in 1984 to improve the quality of justice in state courts, and foster innovative, efficient solutions to common issues faced by all courts. To fulfill this mission, SJI awards grants that benefit the nation's judicial system and the public it serves. Types of Grants Available: **Project Grants, Technical Assistance Grants, Curriculum Adaptation & Training Grants, Partner Grants, Strategic Initiatives Grants, Education Support Program.**

- URL: <http://www.sji.gov/grants.php>

Science, Technology, and Society (STS)

National Science Foundation (NSF)

Due Date: 8/3/2016, 2/2/2017

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: <http://www.nsf.gov/pubs/2015/nsf15506/nsf15506.htm>

Cultural Anthropology Program

National Science Foundation (NSF)

Due Date: 8/15/2016 (Dissertation and Senior Research), 8/16/2016 (Scholars)

The primary objective of the Cultural Anthropology Program is to support basic scientific research on the causes, consequences, and complexities of human social and cultural variability. Anthropological research spans a wide gamut, and contemporary cultural anthropology is an arena in which diverse

research traditions and methodologies are valid. Recognizing the breadth of the field's contributions to science, the Cultural Anthropology Program welcomes proposals for empirically grounded, theoretically engaged, and methodologically sophisticated research in all sub-fields of cultural anthropology. Because the National Science Foundation's mandate is to support basic research, the NSF Cultural Anthropology Program does not fund research that takes as its primary goal improved clinical practice or applied policy. Program research priorities include, but are not limited to, research that increases our understanding of:

- Socio-cultural drivers of critical anthropogenic processes such as deforestation, desertification, land cover change, urbanization, and poverty
- Resilience and robustness of socio-cultural systems
- Conflict, cooperation, and altruism
- Economy, culture, migration, and globalization
- Variability and change in kinship and family norms and practices
- Cultural and social contexts of health and disease
- Social regulation, governmentality, and violence
- Origins of complexity in socio-cultural systems
- Language and culture: orality and literacy, sociolinguistics, and cognition
- Human variation through empirically grounded ethnographic descriptions
- Mathematical and computational models of sociocultural systems such as social network analysis, agent-based models, and integration of agent-based models with geographic information systems (GIS)

PD 98-1390

- URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5388

Historical Archives Program (HAP)

Wenner-Gren Foundation for Anthropological Research, Inc.

Due Date: Continuous

The objective of the Historical Archives Program is to encourage the preservation of unpublished personal research materials of established anthropologists considered of value for research on the history of anthropology. HAP grants are offered to individuals, to assist senior scholars at the end of their careers (or their heirs) with the expense of preparing and transferring their unpublished research materials for archival deposit. Applicants must show evidence that arrangements have been made with an appropriate archival repository. Funds are strictly limited to covering expenses related to the basic preparation of materials for archival deposit. Please note: Efforts to establish archival facilities, develop existing collections, or otherwise process materials already held by repositories are not eligible for funding consideration.

- URL: <http://www.wennergren.org/programs/historical-archives-program-hap>

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