

Funding Bulletin

October 11, 2013 (Vol. 1, No. 3)

Funding Information

To receive funding information, please contact Sarah Haug, Funding Opportunity Specialist, Office of Research and Technology Transfer, phone: 316-978-6803, e-mail: sarah.haug@wichita.edu

NOTICE – The Funding Bulletin is available 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.

NOTE – DUE TO THE CURRENT GOVERNMENT SHUTDOWN, FEDERAL DUE DATES ARE SUBJECT TO CHANGE.

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

[LIMITED SUBMISSIONS](#)

[INTERNAL OPPORTUNITIES](#)

[GENERAL](#)

[ARTS & HUMANITIES](#)

[BUSINESS](#)

[STUDENTS](#)

[EDUCATION](#)

[ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES](#)

[HEALTH & LIFE SCIENCES](#)

[MULTIPLE DISCIPLINES](#)

[SOCIAL 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/>

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.

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 is currently one limited submission:

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

National Institutes of Health (NIH)

Due Dates: Internal 11/15/2013; Letters of Intent 12/31/2013; Applications 1/31/2014

WSU is limited to two proposals in response to this funding opportunity. If you are interested in preparing a Letter of Intent for the Dec. 31 due date, you must notify proposals@wichita.edu by 5 p.m. Friday, Nov. 15, to allow time for an internal review of projects if needed.

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 two applications per institution are allowed.
RFA-RM-13-009

- URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-13-009.html>

INTERNAL OPPORTUNITIES

Multidisciplinary Research Project Awards (MURPA)

Wichita State University

Due Date: 10/25/2013

Applications for Multidisciplinary Research Project Awards (MURPA) are due to the Office of Research and Technology Transfer by Oct. 25 at 5:00 p.m. Multidisciplinary Research Projects are projects that involve two or more investigators from different disciplines that focus different perspectives and capabilities on complex problems that intersect established areas of study. They are intended as seed money to develop pilot data for proposals to be submitted to governmental agencies, foundations or

industries. Application and instructions are available on the research website and may be submitted electronically to proposals@wichita.edu or Campus Box 7.

For more information, visit

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

GENERAL

Young Investigator Program (YIP)

Office of Naval Research

Due Date: 1/3/2014

The Office of Naval Research (ONR) is interested in receiving proposals for its Young Investigator Program (YIP). ONR's Young Investigator Program (YIP) seeks to identify and support academic scientists and engineers who are in their first or second full-time tenure-track or tenure-track-equivalent academic appointment and for FY2014, have begun their first appointment on or after 01 November 2008, and who show exceptional promise for doing creative research. The objectives of this program are to attract outstanding faculty members of Institutions of Higher Education (hereafter also called "universities") to the Department of the Navy's research program, to support their research, and to encourage their teaching and research careers. Proposals addressing research areas as described in the ONR Science and Technology (S&T) Department section of ONR's website at www.onr.navy.mil which are of interest to ONR Program Officers and Division Directors will be considered. Contact information for each Division (a subgroup of an S&T Department) is also listed within the S&T section of the website. Potential applicants may contact the appropriate Division Director, or the Program Officer who is the point of contact for a specific technical area, to discuss their research ideas. Brief informal pre-proposals may be submitted to facilitate these discussions. Such discussions can clarify the content and breadth of the priority research areas and enhance the match between a subsequent proposal and Department of the Navy research needs. **ONRBAA13-023**

- URL: <http://www.grants.gov/web/grants/search-grants.html?keywords=ONRBAA13-023>

Program Grants

National Collegiate Inventors and Innovators Alliance (NCIIA)

Due Dates: 11/8/2013; 5/9/2014

Course and Program grants are awarded to [NCIIA member institutions](#) for the purpose of strengthening existing curricular programs or building new programs in technology-based invention,

innovation, and entrepreneurship. Proposals may request support for a single course, a course sequence, a certificate program, a minor or major, extracurricular programs or a combination of these. Successful proposals include the following elements: The **formation of student teams (E-Teams*)** focused on technology invention, innovation and entrepreneurship with a **positive social/environmental impact**; a **focus on entrepreneurship** and support for promising student teams who want to continue to develop their technologies and business models after participation in the proposed course/program; a plan for continuation (and **financial sustainability**) of the course or program post-NCIIA-funding; an **emphasis on experiential learning-by-doing** and creative pedagogical approaches to solving real world problems. NCIIA encourages proposals that involve students and advisors from engineering, science, business, design, and liberal arts disciplines, as well as groups traditionally underrepresented in invention, innovation, and entrepreneurship, including women and minorities.

- URL: <http://nciia.org/grants/courseandprogram>

Inspirational Teacher Awards

The Kennedy Center/Stephen Sondheim

Due Date: 12/15/2013

The [Kennedy Center for the Performing Arts](http://www.kennedy-center.org) is seeking nominations for the 2014 Kennedy Center/Stephen Sondheim Inspirational Teacher Awards, a series of annual grants that recognize inspiring teachers in the United States. The awards were created in honor of American composer and lyricist Stephen Sondheim, who frequently attributes his success to the teachers in his life. The awards are presented each year on Sondheim's birthday — March 22 — to a handful of teachers, kindergarten through college, who are nominated via the Kennedy Center Web site.

To be eligible, nominees must be legal residents of the U.S. Nominations must be based on experience as a full-time classroom teacher in a K-12 school in the U.S. or as a college or university instructor in the U.S. In addition, nominators must be at least 18 years of age and have been a student of the nominee. Nominations for teachers by peers, parents, relatives, or other individuals based on non-teacher-student interactions will not be reviewed. In March 2013, six teachers were recognized for their outstanding influence on students. The recipients each received a \$10,000 prize, and their stories, as told by the nominating student, were featured on a Web site dedicated to inspirational teachers. Complete program information and the online nomination form are available at the Kennedy Center Web site.

- URL: <http://www.kennedy-center.org/programs/awards/sondheim/>

Rural Community Development Initiative (RCDI)

Utilities Programs — Department of Agriculture (USDA)

Due Date: 11/12/2013

The US Department of Agriculture supports intermediary organizations that will provide financial and technical assistance to recipients to develop their capacity and ability to undertake projects related to housing, community facilities, or community and economic development. Qualified private, nonprofit and public (including tribal) intermediary organizations proposing to carry out financial and technical assistance programs will be eligible to receive the funding. The intermediary will be required to provide matching funds in an amount at least equal to the RCDI grant. The respective minimum and maximum grant amount per intermediary is \$50,000 and \$300,000. The intermediary must provide a program of financial and technical assistance to a private nonprofit, community-based housing and development organization, a low-income rural community or a federally recognized tribe. **USDA-RD-HCFP-RCDI-2013**

- URL: <http://www.gpo.gov/fdsys/pkg/FR-2013-08-14/pdf/2013-19773.pdf>

ARTS & HUMANITIES

Rome Prize Fellows

American Academy in Rome (AAR)

Due Date: 11/1/2013

Each year the Rome Prize is annually awarded to thirty emerging artists and scholars in the early or middle stages of their careers who exemplify the highest standard of excellence in arts and humanities. Fellows are chosen from the following disciplines: Architecture, Design, Literature (awarded only by nomination through the American Academy of Arts and Letters), Musical Composition, Visual Arts, Ancient Studies, Medieval Studies, Renaissance and Early Modern studies, and Modern Italian Studies.

- URL: <http://www.aarome.org/apply/rome-prize/procedure-requirements>

Our Town Application, FY 2014

National Endowment for the Arts (NEA)

Due Date: 1/13/2014

Art works to improve the lives of America's citizens in many ways. Communities across our nation are leveraging the arts and engaging design to make their communities more livable with enhanced quality of life, increased creative activity, a distinct sense of place, and vibrant local economies that together capitalize on their existing assets. The NEA defines these efforts as the process of Creative Placemaking. Organizations may apply for creative placemaking projects that contribute to the livability of communities and place the arts at their core. Applicants must be partnerships between two primary entities: a nonprofit organization and a local government entity. Educational institutions are eligible as additional partners. All grants require a nonfederal match of at least 1 to 1. **FON: 2014NEA01OT**

- URL: <http://arts.gov/grants-organizations/our-town>

New Music USA Project Grants

New Music USA

Due Dates: 11/4/2013; 4/1/2014

New Music USA is supporting music in a new way. Instead of filling out a grant application, musicians create a private project page that includes all their work samples and project information. If a grant is awarded, New Music USA will publish the project page. Once published, grantees will be able to post updates as the project unfolds.

This year, New Music USA will provide between a hundred and a hundred and fifty individuals with project grants ranging from \$250 to \$20,000 each.

Project Grants support music projects that involve premieres of new music through a live performance or recording. Requests can come from individuals or organizations, and projects can take place up to two years past the deadline, or up to six months prior. New Music USA is especially interested in funding artists directly for their work, whether that involves creating, engaging, performing, or something else. Priority will be given for the creation of new musical work, new live music for dance, recording costs, and residency and community outreach activities. The most competitive projects include living composers and recent music.

Visit the New Music USA Web site for complete program guidelines and the application form.

- URL: <https://www.newmusicusa.org/grants/new-music-usa-project-grants/>

Humanities Program

Gladys Kriebel Delmas Foundation

Due Date: Letters of Intent accepted on continual 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. 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 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.

- URL: http://delmas.org/?page_id=6#humanities

Museums for America

Institute of Museum and Library Sciences (IMLS)

Due Date: 12/2/2013

The Museums for America (MFA) program supports projects that strengthen the ability of an individual museum to serve its public. MFA grants support activities that strengthen museums as active resources for lifelong learning, as important institutions in the establishment of livable communities, and as good stewards of the nation's collections. MFA grants can fund both new and ongoing museum activities and programs. Examples include planning, managing and conserving collections, improving public access, training, conducting programmatic research, school and public programming, producing exhibitions, and integrating new or upgraded technologies into your operations. **MFA-FY14**

- URL: <http://www.ims.gov/applicants/detail.aspx?GrantId=11>

BUSINESS

Economics

National Science Foundation (NSF)

Due Date: 1/18/2014

The Economics program supports research designed to improve the understanding of the processes and institutions of the U.S. economy and of the world system of which it is a part. This program also strengthens both empirical and theoretical economic analysis as well as the methods for rigorous research on economic behavior. It supports research in almost every area of economics, including econometrics, economic history, environmental economics, finance, industrial organization, international economics, labor economics, macroeconomics, mathematical economics, and public finance. The Economics program welcomes proposals for individual or multi-investigator research projects, doctoral dissertation improvement awards, conferences, workshops, symposia, experimental research, data collection and dissemination, computer equipment and other instrumentation, and research experience for undergraduates. The program places a high priority on interdisciplinary research. Investigators are encouraged to submit proposals of joint interest to the Economics Program and other NSF programs and NSF initiative areas. The program places a high priority on broadening participation and encourages proposals from junior faculty, women, other underrepresented minorities, Research Undergraduate Institutions, and EPSCoR states. The program also funds conferences and interdisciplinary research that strengthens links among economics and the other social and behavioral sciences as well as mathematics and statistics. For additional funding opportunities, we invite you to also look at the Cross Disciplinary Activities homepage. For program specific guidelines on the Doctoral Dissertation Improvement Grants in Economics, please visit: Doctoral Preparation Checklist. **PD-98-1320**

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

EDUCATION

Cyberlearning: Transforming Education (Cyberlearning)

National Science Foundation

Due Date: 12/17/2013

Through the Cyberlearning program, NSF seeks to integrate advances in technology with advances in what is known about how people learn to - better understand how people learn with technology and how technology can be used productively to help people learn, through individual use and/or through collaborations mediated by technology; - better use technology for collecting,

analyzing, sharing, and managing data to shed light on learning, promoting learning, and designing learning environments; and - design new technologies for these purposes, and advance understanding of how to use those technologies and integrate them into learning environments so that their potential is fulfilled. Of particular interest are technological advances that allow more personalized learning experiences, draw in and promote learning among those in populations not served well by current educational practices, allow access to learning resources anytime and anywhere, and provide new ways of assessing capabilities. It is expected that Cyberlearning research will shed light on how technology can enable new forms of educational practice and that broad implementation of its findings will result in a more actively-engaged and productive citizenry and workforce. Cyberlearning awards will be made in three research categories, each focusing on a different stage of research and development: Exploratory (EXP), Design and Implementation (DIP), and Integration and Deployment (INDP). The Cyberlearning program will also support small Capacity-Building Projects (CAP) and a Cyberlearning Resource Center (CRC). The following list summarizes the purposes and prerequisites of each project category. 1. EXP: The purpose of this project type is to explore the feasibility of a technological innovation and to shed light on the answers to fundamental research questions related to learning with technology. The prerequisites are a team with a shared vision that takes into account what is known about how people learn, learning in the targeted domain, use of technology for such learning, and challenges to technology use. 2. DIP: The purpose of this project type is to ascertain the potential of ideas, develop guidelines for use of an innovation, and answer research questions about learning with technology. The prerequisites are same as EXP plus completed work equivalent to one or more Cyberlearning EXP projects. 3. INDP: The purpose of this project type is to integrate or extend the use of one or more technologically sophisticated efforts that have already shown promise and answer a variety of research questions related to learning with technology. The prerequisites are same as EXP plus completed work equivalent to one or more Cyberlearning DIP projects. 4. CAP: The purpose of this project type is partnership building and community building, including conferences, workshops, and short courses. 5. Cyberlearning Resource Center: The purpose of this project type is to support Cyberlearning projects and programmatic efforts. The prerequisites are lead institution should have cyberlearning expertise and demonstrated capacity to plan, develop, and manage a national center that provides technical support for a diverse portfolio of projects. The participating NSF components are the Directorate for Computer & Information Science & Engineering (CISE), the Directorate for Education & Human Resources (EHR), the Directorate for Social, Behavioral & Economic Sciences (SBE), and the Office of Cyberinfrastructure (OCI). CFDA 47.070, 47.075, 47.076, 47.080 **NSF 11-587**

- URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503581

Research & Program Evaluations in Early Education

Brady Education Foundation

Due Date: 12/15/2013

The foundation seeks to close the achievement gap by increasing the school readiness of children at risk and poor school outcomes due to environmental factors associated with living in poverty. The foundation pursues its mission by promoting collaboration between researchers and educators via funding of research and program evaluations in early education. The Brady Education Foundation funds two types of projects: 1. Evaluation of existing model programs 2. Innovative research on model development, including both efficacy and effectiveness studies. The Foundation favors:

- projects that bring researchers and service providers together to prove and improve the effectiveness of education environments for children at risk for poor school outcomes due to environmental factors associated with living in poverty
- projects that leverage other funds
- projects with the potential to inform or guide policy or funding decisions
- projects that structure time for researchers/evaluators and program providers to collaborate
- requests of \$100,000 or less per year for a maximum of three years (If you are requesting more than this amount and/or a longer time period, please provide additional justification)
- **URL:** <http://bradyeducationfoundation.org/applicationguidelines.html>

ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

Grant Program

Alfred L. and Constance C. Wolf Aviation Fund

Due Date: 12/15/2013

Since 1992 the Wolf Aviation Fund has awarded special grants for efforts supporting and promoting general aviation. The fund's mission statement is as follows: "The Foundation shall promote and support the advancement of personal air transportation by seeking and funding the most promising individuals and worthy projects which advance the field of general aviation; by increasing the public's knowledge of aviation through publications, seminars, and other information media; by informing the aviation and scientific community of the existence and purpose of the Fund; and by soliciting and receiving feedback concerning Foundation-supported projects." Priority will be given to proposals that may have a large impact and benefit general aviation and the public perception of it the most.

- **URL:** <http://www.wolf-aviation.org/grantprog.htm>

Advanced Development & Demonstration of Affordable Low Observable Technologies
U.S. Department of Defense (DoD); U.S. Department of the Air Force; Air Force Research Laboratory (AFRL); Materials and Manufacturing Directorate, System Support Division
Due Date: 11/27/2013

Broad Agency Announcement seeking soliciting business, cost and technical proposals that support the development, demonstration, and transition of affordable technologies that will reduce the production and life cycle sustainment burden of low observable aircraft treatments, materials, repairs, and processes. Current maintenance man-hours per aircraft flight-hour are significantly higher for Low Observable (LO) vs. conventional aircraft largely due to the various LO requirements. Also, LO maintenance is a dominant activity that negatively affects combat readiness for stealthy aircraft. Finally, LO materials are costly both from the stand point of material production and the application/removal of these materials. LO maintainability has become increasingly important with the need to be light, responsive, and rapidly deployable; and do so in a manner that does not constitute an unacceptable fiscal drain. **BAA-RQKM-2013-0013**

Below is a brief description of some of the specific technical areas of the program:

1. TASK ORDER 0001 - Examining different radome materials, designs, and processes to develop a more optimized radome form. Designing and developing a LO aircraft radome for material optimization/producibility efforts.
2. TASK ORDER 0002 - Designing, testing, fabricating, and demonstrating advanced edge repair materials, configurations, and processes suitable for application to 5th generation fighter aircraft integrated edges. Demonstrating protection and repair of 5th generation fighter aircraft edges without detrimental impact to aircraft Radar Cross Section (RCS) or antenna performance.
3. SAMPLE TASK ORDER - Developing a durable heat and abrasion resistant material for usage in an aircraft hot exhaust zone. Producing a material that could better survive the described environment with a corresponding increased life expectancy and a lower life cycle cost while still meeting all other system requirements.

CONTACT: George Woodworth, 937/656-7843. Email: george.woodworth@us.af.mil

- **URL:**<https://www.fbo.gov/?s=opportunity&mode=form&id=1db59ce946fbb5088ee7e9c5cf789d9d&tab=core&cvview=0>

Energy Frontier Research Centers

U.S. Department of Energy (DoE); Office of Science

Due Date: Letters of Intent 11/13/2013, Proposals 1/9/2014

Notice seeking proposals to support fundamental research to understand, predict, and ultimately control matter and energy at the electronic, atomic, and molecular levels in order to provide the foundations for new energy technologies and to support the agency's mission emphases in energy, the environment, and national security.

In 2009, the Office of Basic Energy Sciences (BES) in the U.S. Department of Energy's Office of Science established the Energy Frontier Research Center (EFRC) program. These integrated, multi-investigator centers involve various combinations of researchers at universities, national laboratories, nonprofit organizations, and for-profit firms. The EFRCs have conducted 2 fundamental research focused on one or more "grand challenges" and use-inspired "basic research needs" identified in major strategic planning efforts by BES and the scientific community. These centers bring together the skills and talents of teams of investigators to perform energy-relevant basic research with a scope and complexity beyond that possible in standard single-investigator or small-group projects. The multi-investigator, multi-disciplinary nature of these centers fosters an environment in which innovations are encouraged and scientific breakthroughs accelerated to provide the basis for transformative energy technologies. The EFRCs pursue the fundamental understanding necessary to enhance U.S. energy security and to meet the global need for abundant, clean, and economical energy.

The Office of Basic Energy Sciences announces the re-competition of the Energy Frontier Research Centers and encourages both new and renewal applications. Applications will be required to address **both** use-inspired priority research directions identified by the series of "Basic Research Needs" reports **and** scientific grand challenges identified in the report *Directing Matter and Energy: Five Challenges for Science and the Imagination*, both of which are described below. In addition, as appropriate, applicants are encouraged to consider the incorporation of research approaches outlined in the following two reports: 1) *Computational Materials Science and Chemistry: Accelerating Discovery and Innovation through Simulation-Based Engineering and Science*; and 2) *From Quanta to the Continuum: Opportunities for Mesoscale Science*. All of these reports can be found here: <http://science.energy.gov/bes/news-and-resources/reports/>.

Approximately \$100 million is available to support multiple awards for five years.
DE-FOA-0001010 CFDA Number 81.049

- URL: <http://www.grants.gov/web/grants/view-opportunity.html?oppld=243953>

Theoretical Gravitational Physics

National Science Foundation (NSF); Directorate for Mathematical and Physical Sciences (MPS)

Due Date: 10/30/2013

The Gravitational Physics program supports research at the frontiers of science aimed towards answering questions about the nature of space and time, the gravitational attraction at atomically small and cosmological large distances and the use of gravitational waves to explore the universe. The Theoretical Gravitational Physics program supports research on classical and quantum gravity theory, including gravitational wave source simulations and other phenomena associated with strong field gravity and the interface between gravitation and quantum mechanics. This includes formulating new approaches for theoretical, computational, and experimental research that explore the fundamental laws of physics and the behavior of physical systems and, in some cases, interpreting the results of experiments. The effort also includes a considerable number of interdisciplinary grants. In addition, the program supports infrastructure activities such as short- and long-term visitor programs, workshops, and research centers involving the participation of external scientists from universities, national laboratories, and industry, as well as graduate students and postdoctoral fellows. **PD 12-1244**

- URL: <http://www.grants.gov/view-opportunity.html?oppld=243173>

Nano-Biosensing

National Science Foundation (NSF)

Due Date: 10/29/2013

The Nano-Biosensing Program supports fundamental research in engineering areas related to: Novel biorecognition elements Multifunctional nanomaterials and interfaces for biosensing applications. Fundamental study of bio-macromolecules confinement and orientation at the micro- and nano-interfaces for biosensing applications Nano-biosensors for basic biology applications (protein-protein interactions, cellular signaling and cross talk, as well as other similar topics) Integration of nano-biosensors into portable devices for medical applications. Proposals outside of these specific topics may also be accepted. Photonic nanosensors with medical applications should be submitted to the Biophotonics Program PE7236, while non-photonic nanosensors should be submitted to PE7909 (Nano-Biosensing). Areas of interest for PE7909 include non-photonic biological and biomedical topics, food safety, energy, environment, distributed sensing, and security. The Nano-Biosensing Program supports innovative, transformative, and insightful fundamental investigations of original technologies with broad long-term impact. The program also supports fundamental development of applications that require novel use of nano-scale bio-inspired engineering principles and approaches that will meet the engineering and technology needs of the nation. The program is targeting research in the area of the monitoring, identification and/or quantification of biological signals and is

particularly interested in projects at the intersection of engineering, life sciences, and information technology. Projects submitted to the Program must advance both engineering and life sciences. Proposals outside of these specific interest areas are welcome. In particular, the Interfacial Processing and Thermodynamics Program and the Nano-Biosensing Program may jointly support novel projects related to surface functionalization at the molecular level. The Nano-Biosensing Program supports innovative, transformative and insightful fundamental investigations of original technologies with broad long term impact and applications that require novel use of bio-inspired engineering principles and sophisticated approaches to meet the engineering and technology needs of the nation. The program is targeting research in the area of the monitoring, identification and/or quantification of biological phenomena and will support potential technological breakthroughs that exist at the intersection of engineering, life science and information technology. Proposals submitted to the Program must advance both engineering and life sciences. The development of novel principles and approaches will require highly collaborative interactions between engineers, life scientists and experts in nanotechnology, biomaterials, bioinformatics, and the chemical and physical sciences. The Program recognizes the important role of education and workforce development specifically relevant to the multidisciplinary nature of the area of biosensing. The Program does not support applications with incremental improvements of existing approaches/technologies. The duration of unsolicited awards is generally one to three years. The average annual award size for the program is \$100,000 (including indirect cost). Proposals requesting a substantially higher amount than this, without prior consultation with the Program Director, may be returned without review. Small equipment proposals up to \$70,000 will also be considered and may be submitted during the annual proposal submission window. Innovative proposals outside of these specific interest areas can be considered. However, prior to submission, it is recommended that the PI contact the Program Director to avoid the possibility of the proposal being returned without review. **PD-14-7909**

- URL: <http://www.grants.gov/web/grants/search-grants.html?keywords=PD%2014-7909>

Physics at the Information Frontier

National Science Foundation (NSF), Division of Physics

Due Date: 11/29/2013

Physics at the Information Frontier (PIF) includes support for data-enabled science, community research networks, and new computational infrastructure, as well as for next-generation computing. It focuses on cyber-infrastructure for the disciplines supported by the Physics Division while encouraging broader impacts on other disciplines. Disciplines within the purview of the Physics Division include: atomic, molecular, optical, plasma, elementary particle, nuclear, particle astrophysics, gravitational and biological physics. Proposals with intellectual focus in areas supported by other NSF Divisions should be submitted to those divisions directly. Proposals that cross Divisional lines are welcome, but the Physics Division encourages PIs to request a co-review by naming other

divisional programs on the cover sheet. This facilitates the co-review and participation of other programs in the review process. PIF provides support for physics proposals in three subareas: 1) computational physics, 2) data enabled physics, and 3) quantum information science and revolutionary computing. Computational physics emphasizes methods for high-performance computing that require significant code development, are led by physicists, and may include applied mathematicians and computer scientists. Priority will be given to proposals that, in addition to compelling scientific goals, have a computational advance or new enabling capability. Proposals should include either innovation in computing such as algorithm development and efficient use of novel architectures or provide significant improvement to community codes. Data enabled physics seeks proposals to develop tools and infrastructure that provide rapid, secure, and efficient access to physics data stores via heterogeneous or distributed computing resources and networks. Examples include development of reliable digital preservation, access, integration, and curation capabilities associated with data from Physics Division experimental facilities and the tools for data handling needed to maximize the scientific payoff. Priority will be given to proposals that serve broad communities or that bring dramatic new capabilities to a specific sub-area of physics. Quantum information and revolutionary computing supports theoretical and experimental proposals that explore applications of quantum mechanics to new computing paradigms or that foster interactions between physicists, mathematicians, and computer scientists that push the frontiers of quantum-based information, transmission, and manipulation. **PD-13-7553**

- URL: <http://www.grants.gov/view-opportunity.html?oppld=243253>

General and Age-Related Disabilities Engineering (GARDE)

National Science Foundation (NSF)

Due Date: 10/29/2013

The General & Age Related Disabilities Engineering (GARDE) program supports research that will lead to the development of new technologies, devices, or software for persons with disabilities. Research may be supported that is directed to the characterization, restoration, and/or substitution of human functional ability or cognition, or to the interaction of persons with disabilities and their environment. **PD 14-5342**

- URL: <http://www.grants.gov/web/grants/search-grants.html?keywords=GARDE>

HEALTH & LIFE SCIENCES

KU/K-INBRE Awards

Kansas University/Kansas Idea Network of Biomedical Research Excellence

Due Date: 12/2/2013

K-INBRE is calling for proposals to support: **1) Developmental Research Project Awards (formerly Major Starter Grants) 2) Partnerships for Translational Research Training Awards, and 3) Postdoctoral Awards.** The mission of the NIH-funded Kansas IDeA Network of Biomedical Research Excellence (Kansas INBRE) Developmental Research Project Awards grant is to strengthen the ability of Kansas researchers to compete effectively for NIH funds by building a critical mass of junior and senior investigators as well as undergraduates, graduate students and post-doctoral fellows. Within our scientific research theme of Cell and Developmental Biology, focus areas include reproductive and embryonic development, organogenesis, developmental neuroscience, and cellular and developmental pathologies. We are now seeking to identify four new faculty members, within 5 years of hiring, to participate as Developmental Research Project Program Recipients. Partnership awards are one-year awards offered for the purpose of facilitating the initiation of clinical/basic science research projects directed toward a translational goal. Post-doctoral awards are one-year mentored awards offered for the purpose of facilitating applications to support 1) initiation of post-doctoral research projects and 2) transition from the post-doctoral position to early investigator status.

- **Email:** hchapman@kumc.edu

Grants Program

American Association of Critical-Care Nurses (AACN)

Due Date: 11/1/2013

The [American Association of Critical-Care Nurses](#) invites clinicians and researchers who are AACN members to apply for the association's annual grants programs. This year, AACN is making available nearly \$200,000 in research funding, including three impact research grants to support inquiry that drives change in high acuity and critical care nursing practice. AACN developed the Impact Research Grant program to ensure a pipeline for evidence-based resources that include protocols and practice alerts in support of a wide range of AACN priorities. Priority projects will address gaps in clinical research at the organization or system level and translation of these findings to bedside clinicians. Projects may include but are not limited to the use of technology to assess patients and manage outcomes, ways to create a healing and humane environment, and processes and systems to optimize high acuity and critical care nursing. Applicants may request up to \$50,000 in total costs.

Research must be completed in two years. AACN continues to offer annual AACN-Sigma Theta Tau Critical Care grants and AACN-Philips Medical Systems Outcomes grants of up to \$10,000.

- URL: <http://www.aacn.org/WD/Practice/Content/grant-all.content?menu=Practice>

Medical Device Impact Study

Association of University Technology Managers (AUTM)

Due Date: 11/1/2013

AUTM, through the generous support of the Wallace H. Coulter Foundation, is seeking proposals from individuals that can determine-through research-the impact of academic institutions and academic medical centers on the development of medical devices used in healthcare. The selected party will conduct the research and produce a report detailing the impact academia has had on the development of medical devices on the market, complete with corresponding research strategy, methodology and support data. One or more of the following aspects of academia's support of medical devices should be addressed: case studies of academia's efforts to develop and test medical devices; reviews of the resources invested in academia in device design/development; analyses of medical device licensing outcomes and revenue generation; quantification of the level of impact of academic-conceived devices on the market; and case studies of successful medical device products and program. The study award amount will depend on budgetary needs for the winning proposal, but will fall within the range of \$40,000 - \$60,000 for the entire term of the study.

- URL: http://www.autm.net/AM/Template.cfm?Section=What_s_New&Template=/CM/ContentDisplay.cfm&ContentID=11696&utm_source=AUTM-Infomz&utm_medium=email&utm_campaign=default

Health Policy Fellows Program

Robert Wood Johnson Foundation

Due Date: 11/13/13

The [Robert Wood Johnson Foundation](#) Health Policy Fellows program is designed to provide a comprehensive fellowship experience at the nexus of health science, policy, and politics in Washington, D.C. The program provides an outstanding opportunity for exceptional midcareer health professionals and behavioral and social scientists with an interest in health and healthcare policy. Fellows participate in the policy process at the federal level and use that leadership experience to improve health, health care, and health policy. Exceptional candidates from academic faculties and nonprofit healthcare organizations are encouraged to apply. Applicants may have backgrounds in the

disciplines of allied health, biomedical sciences, dentistry, economics or other social sciences, health services organization and administration, medicine, nursing, public health, social and behavioral health, or health law. Applicants must be citizens or permanent residents of the United States.

Up to six grants of up to \$165,000 will be made in 2014. Each fellow will receive up to \$94,000 for the Washington stay (September 1, 2014, through August 31, 2015) in salary, plus fringe benefits or a fellowship stipend. The complete call for applications and application instructions are available at the RWJF Web site.

- URL: http://www.rwjf.org/cfp/hpf5?cid=XEM_A7545

R40 Maternal and Child Health Research Program (MCHR)

Health Resources & Services Administration (HRSA) — Department of Health and Human Services (HHS)

Due Date: 11/8/2013

The R40 MCH Research Program supports applied and translational research relating to maternal and child health services including services for children with special health care needs, which show promise of substantial contribution to advancement of the current knowledge pool, and when used in States and communities should result in health and health services improvements. Findings from the research supported by the MCH Research Program are expected to have potential for application in health care delivery programs for mothers and children. Research proposals should address critical MCH questions such as public health systems and infrastructure, health disparities, quality of care, and promoting the health of MCH populations, which also support the goals of the Health Resources and Services Administration. The “life course perspective” is currently being integrated into MCHB’s strategic directions, and can serve as a helpful frame of reference for study proposals designed to address the critical MCH questions defined by the Bureau. Applicants are encouraged to propose translational research studies that specifically address issues related to MCHB investments and programs. Addressing one of the four identified Strategic Research Issues (see Appendix A), is a review criterion worth up to 10 points in the overall score of an application. **HRSA-14-007**

- URL: <http://www.grants.gov/web/grants/view-opportunity.html?oppld=242353>

NIA Program Project Applications (P01)

National Institutes of Health (NIH) — Department of Health and Human Services (HHS)

Due Date: Letters of Intent 12/27/2013; Applications 1/27/2014

The National Institute on Aging invites the submission of investigator-initiated program project (P01) applications. The applications should address scientific areas relevant to the NIA mission. Each P01

application submitted to this FOA must include at least three related research projects that share a common central theme, focus, and/overall objective and an administrative core to lead the project.

PAR-13-258

- URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-13-258.html>

MULTIPLE DISCIPLINES

Interdisciplinary Behavioral and Social Science Research (IBSS)

National Science Foundation (NSF)

Due Date: 12/3/2013

The Interdisciplinary Behavioral and Social Science Research (IBSS) competition promotes the conduct of interdisciplinary research by teams of investigators in the social and behavioral sciences. Emphasis is placed on support for research that involves researchers from multiple disciplinary fields, that integrates scientific theoretical approaches and methodologies from multiple disciplinary fields, and that is likely to yield generalizable insights and information that will advance basic knowledge and capabilities across multiple disciplinary fields. This is a new solicitation for a new competition. Following are important points that distinguish the Interdisciplinary Behavioral and Social Science Research (IBSS) competition from other competitions. IBSS emphasizes the conduct of interdisciplinary research by teams of investigators in the social and behavioral sciences. There are two types of projects that may be supported by IBSS: 1) IBSS Large Interdisciplinary Research Projects (with maximum award sizes of \$1,000,000), 2) IBSS Interdisciplinary Team Exploratory Projects (with maximum award sizes of \$250,000). In addition to the standing NSF merit review criteria of intellectual merit and broader impacts, proposals submitted for the IBSS competition will be evaluated using special review criteria with respect to three different dimensions of their interdisciplinarity: the interdisciplinarity of the research team, the interdisciplinarity of the research approaches to be used, and the interdisciplinarity of the expected intellectual significance of the research results. All proposals submitted for the IBSS competition must include three or more senior personnel from at least two different SBE disciplinary fields. **NSF 12-614**

- URL: <http://www.nsf.gov/pubs/2012/nsf12614/nsf12614.htm>

Grants

Robert E. and Evelyn McKee Foundation

Due Date: 12/15/2013

The purpose of the Robert E. and Evelyn McKee Foundation is to use its funds exclusively within the United States for the benefit of charitable, educational, religious, medical, community funds, and civic institutions. The foundation awards grants in the following categories: 1. Civic, cultural, and religion 2. Education, literature, and science 3. Hospitals 4. Medical, medical research, and mental health 5. Welfare and rehabilitation 6. Youth activities 7. Community funds

- URL: http://www.mckeefoundation.org/ifa_guidelines.htm

SOCIAL SCIENCES

Pearson Early Career Grant

American Psychological Foundation (APF)

Due Date: 12/31/2013

The [American Psychological Foundation](http://www.apa.org/apf)'s Pearson Early Career Grant program is designed to encourage early-career clinicians to work in an area of critical societal need. The program's goals are to support psychology's efforts to improve areas of critical need in society, including but not limited to scientifically based clinical work on serious mental illness, serious emotional disturbance, incarcerated and homeless individuals, children with serious emotional disturbance, and adults with serious mental illness. The aim of the program is to encourage early-career psychologists to devote their careers to underserved populations. Applicants should be psychologists with an Ed.D., Psy.D., or Ph.D. from an accredited university and be no more than seven years postdoctoral. One grant of \$12,000 will be awarded. The recipient may use grant monies for direct administrative costs of his or her proposed project. APF does not allow grant monies to be used for indirect institutional or overhead costs. Complete program guidelines and application procedures are available at the APF Web site.

- URL: <http://www.apa.org/apf/funding/pearson.aspx>

STUDENTS

Science, Engineering and Education for Sustainability Fellows (SEES Fellows)

National Science Foundation (NSF)

Due Date: 11/26/2013

Through the SEES Fellows Program, NSF seeks to advance science, engineering, and education to inform the societal actions needed for environmental and economic sustainability and human well-being while creating the necessary workforce to address these challenges. The Program's emphasis is to facilitate investigations that cross traditional disciplinary boundaries and address issues of sustainability through a systems approach, building bridges between academic inquiry, economic growth, and societal needs. The Fellow's proposed investigation must be interdisciplinary and allow him/her to obtain research experiences beyond his/her current core disciplinary expertise. Proposals with a primary focus on topics covered by the Directorate for Engineering (ENG) are considered out of scope for this revised solicitation; however, proposals may include such topics as a secondary (or tertiary) focus. The Principal Investigator (PI) on the NSF SEES Fellows proposal must be the prospective Fellow. No co-PIs are allowed. To be eligible to submit a proposal to the NSF SEES Fellows program, an individual must, as of the proposal deadline date, meet all of the following criteria: Be a U.S. citizen, national, or permanent resident. Have earned the doctoral degree, or expect to have earned the doctoral degree, by the start date of the award. **NSF 13-595**

- URL: <http://www.nsf.gov/pubs/2013/nsf13595/nsf13595.htm>