



Funding Bulletin

July 17, 2015 (Vol. 2, No. 21)

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 run.

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

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How to Apply

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

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

Upcoming Events

2015 RTT Workshop Series

WORKSHOP TITLE	PRESENTER	DATE	TIME	ROOM	DESCRIPTION
Award Management: Keeping Your Award on Track to the Final Report	Amy Delgado, Associate Director Post-Award & Tamara Atwater, Senior Research Payroll Administrator	August 27, 2015	1:30 – 3:00pm	Jardine – Conference Room 405	Grant set-up, who will I work with? Reporting requirements, research payroll, internal and external grant period extensions; How to make budget changes?
Improve Your Chances of Obtaining Internal Grants at WSU	Panel: Members of the WSU Faculty Support Committee (Rick LeCompte, Chair)	September 17, 2015	3:00 – 4:30pm	RSC Harvest Room	What are the internal research grant opportunities at WSU? What is the role of the Faculty Support Committee with regards to internal grant funding? How can I apply? How do I improve my chances of being funded? Come hear from the reviewers in their own words about what they are looking for!

For more information contact Jana Henderson at jana.henderson@wichita.edu or 978-3285. To register for one of the workshops listed visit <https://webapps.wichita.edu/wintraining/training.asp?dept=1>. You will need to log into myWSU, select "register" and scroll down to find the workshop you are interested in.

INTERNAL OPPORTUNITIES

The next internal opportunities available will be: 1) Multi-disciplinary Research Projects Award (MURPA) and 2) University Research/Creative Award (URCA) - Round 2. Both will have October 2015 deadlines.

For more information, visit

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

Multidisciplinary Research Project Awards (MURPA)

Wichita State University

Due Date: 10/2/2015

Applications for Multidisciplinary Research Project Awards (MURPA) are due to the Office of Research and Technology Transfer by Oct. 2 at 5:00 p.m. for grant period, choice of Jan 1 – June 15, 2016 OR May 1 – Aug 31, 2016. 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

[MURPA INSTRUCTIONS](#)

[MURPA APPLICATION](#)

University Research/Creative Projects (URCA) – Round Two

Wichita State University

Due Date: 10/2/2015

Applications for Round 2 of the University Research/Creative Projects (URCA) are due to the Office of Research and Technology Transfer by Oct. 2 at 5:00 p.m. for grant period Dec 1, 2015 – Dec 31, 2016. URCA's are to retool or reestablish productive research/creative projects agenda. In areas where external funding is available, the URCA may be used as seed money to develop pilot data. Areas where access to external sources is limited may receive special consideration. Grants may be for up to \$4,500 awarded in two separate competitions: New - tenure-eligible faculty in their first or second year of probation to initiate research/creative projects, and Established - tenured faculty or probationary faculty in their 3rd (or more) year of probation to retool or re-establish productive research/creative agenda. 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

[URCA INSTRUCTIONS](#)

[URCA APPLICATION](#)

GENERAL

Science of Science and Innovation Policy (SciSIP)

National Science Foundation (NSF)

Due Date: 9/9/2015, 2/9/2016

The Science of Science & Innovation Policy (SciSIP) program supports research designed to advance the scientific basis of science and innovation policy. The program funds research to develop models, analytical tools, data and metrics that can be applied in the science policy decision making process and concern the use and allocation of scarce scientific resources. For example, research proposals may develop behavioral and analytical conceptualizations, frameworks or models that have applications across the broad array of science and innovation policy challenges. Proposals may also develop methodologies to analyze science, technology and innovation data, and to usefully convey that information to a variety of audiences. Proposals that create and improve science, engineering and innovation data, including the design of new metrics and indicators, particularly proposals that demonstrate the viability of collecting and analyzing data on knowledge generation and innovation in organizations, are encouraged. The SciSIP program welcomes proposals from individual or multi-investigator research projects, doctoral dissertation improvement awards, experimental research, and data collection and dissemination. The SciSIP program places a high priority on interdisciplinary research. 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 supports small grants that are time-critical and small grants that are high-risk and of a potentially transformative nature. **PD 09-7626**

URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501084

Faculty Grants

VentureWell

Due Date: 11/4/2015

VentureWell awards faculty grants to colleges and universities for the purpose of strengthening existing curricular programs and/or building new programs in invention, innovation, and entrepreneurship. Through these grant funds, VentureWell supports creative pedagogical approaches that generate student teams (**E-Teams***) working on technology solutions to real-world problems. Proposals may include plans for creating or improving an individual course, course sequence, minor, major, certificate program, incubator, accelerator, and other co- and extra-curricular programs. VentureWell faculty grants are awarded to US-based colleges and universities. Faculty and staff from VentureWell member colleges and universities are eligible to apply. Proposals may include non-member partners from education, non-profits, industry, NGOs, governments and/or the investment community, etc.

URL: <http://venturewell.org/facultygrants/>

Faculty Research Awards

Google

Due Date: 10/15/2015

Google is committed to developing new technologies to help users find and use information. As part of that vision, the Research Awards program aims to identify and support world-class, full-time faculty pursuing research in areas of mutual interest. The intent of the Awards is to support cutting-edge research in Computer Science, Engineering, and related fields (awards tend to fund projects that are highly technical in nature). Through the program, the company tries to fund projects where collaboration with the company will be especially valuable to the research team. The program is designed to support work whose output will be made available to the public and to the research community. Applicants are asked to categorize their proposals into one of the following broad research areas of interest to the company: - Economics and market algorithms - Geo/maps - Human-computer interaction - Information retrieval, extraction, and organization - Machine learning and data mining - Machine perception - Machine translation - Mobile - Natural language processing - Networking Policy and standards - Privacy - Security - Social networks - Software engineering - Speech - Structured data and database management - Systems (hardware and software) Each funded project will be assigned a company sponsor. The role of the sponsor is to support the project by discussing research directions, engaging with professors and students, and overseeing collaboration between the project team and the company. The company encourages Awards recipients to visit to give talks related to their work and meet with relevant research groups.

URL: http://research.google.com/university/relations/research_awards.html

ARTS & HUMANITIES

Dialogues on the Experience of War

National Foundation for the Arts and the Humanities and the Humanities National Endowment for the Humanities (NEH)

Due Date: 9/15/2015

The program supports the study and discussion of important humanities sources about war, in the belief that these sources can help U.S. military veterans and others to think more deeply about the issues raised by war and military service. The humanities sources can be drawn from history, philosophy, literature, and film—and they may and should be supplemented by testimonials from those who have served. The discussions are intended to promote serious exploration of important questions about the nature of duty, heroism, suffering, loyalty, and patriotism.

The program awards grants of up to \$100,000 that will support

1. the recruitment and training of discussion leaders; and
2. following the training program, the convening of at least two discussion programs.

URL: <http://www.neh.gov/grants/education/dialogues-the-experience-war>

Linguistics

National Science Foundation (NSF)

Due Date: 1/15/2016

The Linguistics Program supports basic science in the domain of human language, encompassing investigations of the grammatical properties of individual human languages, and of natural language in general. Research areas include syntax, semantics, morphology, phonetics, and phonology. The program encourages projects that are interdisciplinary in methodological or theoretical perspective, and that address questions that cross disciplinary boundaries, such as (but not limited to):

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

The Linguistics Program does not make awards to support clinical research projects, nor does it support work to develop or assess pedagogical methods or tools for language instruction. **PD 98-1311**

URL:http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5408&WT.mc_id=USNSF_39&WT.mc_ev=click

Art Educator Grants

National Art Education Foundation (NAEF)

Due Date: 10/1/2015

Through its 2015 grants cycle, the [National Art Education Foundation](#), the philanthropic arm of the [National Art Education Association](#), is accepting applications from NAEF members from programs that support classroom-based art education.

1) Ruth Halvorsen Professional Development Grants: Annual scholarships of up to \$2,500 will be awarded to qualified art educators whose proposals focus on understanding, implementation, and issues specifically relating to the National Visual Arts Standards and support the improvement of the teaching of art.

2) Mary McMullan Grants: Grants of up to \$2,500 will be awarded to projects that promote art education as an integral part of the curriculum and establish and/or improve the instruction of art in public and private elementary and secondary schools as well as institutions of higher education in the United States.

3) NAEF Research Grants: Grants of up to \$10,000 will be awarded in support of research that advances knowledge in the field of art education as well as the goals outlined in [Creating a Visual Arts Research Agenda Toward the 21st Century](#).

4) SHIP Grants: Grants of up to \$500 will be awarded to art educators seeking art equipment and/or instructional curriculum resources related to student learning under the National Visual Arts Standards.

5) Teacher Incentive Grants: Scholarships of up to \$2,500 will be awarded to individual art educators for professional education related to the teaching of art, including curriculum, student learning, student assessment, and classroom management.

URL: <http://www.arteducators.org/grants/national-art-education-foundation>

Collaborative Research Grants

National Endowment for the Humanities (NEH)

Due Date: 12/9/2015

Collaborative Research Grants support interpretive humanities research undertaken by a team of two or more scholars, for full-time or part-time activities for periods of one to three years. Support is available for various combinations of scholars, consultants, and research assistants; project-related travel; field work; applications of information technology; and technical support and services. All grantees are expected to communicate the results of their work to the appropriate scholarly and public audiences. Eligible projects include:

- research that significantly adds to knowledge and understanding of the humanities;
- conferences on topics of major importance in the humanities that will benefit scholarly research;
- archaeological projects that include the interpretation and communication of results (projects may encompass excavation, materials analysis, laboratory work, field reports, and preparation of interpretive monographs); and
- research that uses the knowledge and perspectives of the humanities and historical or philosophical methods to enhance understanding of science, technology, medicine, and the social sciences.

URL: <http://www.neh.gov/grants/research/collaborative-research-grants>

Scholarly Editions and Translations

National Endowment for the Humanities (NEH)

Due Date: 12/9/2015

Scholarly Editions and Translations grants support the preparation of editions and translations of pre-existing texts and documents of value to the humanities that are currently inaccessible or available in inadequate editions. Typically, the texts and documents are significant literary, philosophical, and historical materials; but other types of work, such as musical notation, are also eligible. Projects must be undertaken by a team of at least one editor or translator and one other staff member. These grants support full-time or part-time activities for periods of one to three years. Proposals for editions of foreign language materials in the original language are eligible for funding, as well as proposals for editions of translated materials.

URL: <http://www.neh.gov/grants/research/scholarly-editions-and-translations-grants>

Sustaining Cultural Heritage Collections (SCHC)

National Endowment for the Humanities (NEH)

Due Date: 12/1/2015

Sustaining Cultural Heritage Collections (SCHC) helps cultural institutions meet the complex challenge of preserving large and diverse holdings of humanities materials for future generations by supporting sustainable conservation measures that mitigate deterioration and prolong the useful life of collections. Libraries, archives, museums, and historical organizations across the country face an enormous challenge: to preserve collections that facilitate research, strengthen teaching, and provide opportunities for life-long learning in the humanities. Ensuring the preservation of books and manuscripts, photographs, sound recordings and moving images, archaeological and ethnographic artifacts, art, and historical objects requires institutions to implement measures that slow deterioration and prevent catastrophic loss. This work is best accomplished through preventive conservation, which encompasses managing relative humidity, temperature, light, and pollutants in collection spaces; providing protective storage enclosures and systems for collections; and safeguarding collections from theft and from natural and man-made disasters. As museums, libraries, archives, and other collecting institutions strive to be effective stewards of humanities collections, they must find ways to implement preventive conservation measures that are sustainable. This program therefore helps cultural repositories plan and implement preservation strategies that pragmatically balance effectiveness, cost, and environmental impact. Sustainable approaches to preservation can contribute to an institution's financial health, reduce its use of fossil fuels, and benefit its green initiatives, while ensuring that collections are well cared for and available for use in humanities programming, education, and research. All applicants, whether applying for planning or implementation projects, are required to focus on sustainable preventive conservation strategies.

URL: <http://www.neh.gov/grants/preservation/sustaining-cultural-heritage-collections>

Scientific Music Research and Preservation Projects

The GRAMMY Foundation

Due Date: Letters of Inquiry 10/1/2015

Funded by the [Recording Academy](#), the [Grammy Foundation](#)'s grant program provides support for music archiving and preservation efforts and for scientific research projects related to the impact of music on the human condition. The scientific research projects grant program provides awards of up to \$20,000 to organizations and individuals working to research the impact of music on the human condition. Examples include the study of the effects of music on mood, cognition, and healing; the medical and occupational well-being of music professionals; and the creative process underlying music. Priority will be given to projects with strong methodological design as well those designed to address an important research question. The archiving and preservation projects grant program awards grants to organizations and individuals to support efforts that advance the archiving and preservation of the music and recorded sound heritage of the Americas. The archiving and preservation area has two funding categories — preservation implementation (grants of up to \$20,000); and planning, assessment, and/or consultation (grants of up to \$5,000).

URL: <https://www.grammy.org/grammy-foundation/grants>

ACLS Collaborative Research Fellowships

American Council of Learned Societies (ACLS)

Due Date: 9/23/2015

The aim of this fellowship program is to offer small teams of two or more scholars the opportunity to collaborate intensively on a single, substantive project. The fellowship supports projects that produce a tangible research product (such as joint print or web publications) for which two or more collaborators will take credit. Collaborations need not be interdisciplinary or inter-institutional. Applicants at the same institution, however, must demonstrate why local funding is insufficient to support the project. Collaborations that involve the participation of assistant and associate faculty members are particularly encouraged.

URL: <http://www.acls.org/programs/collaborative/>

ACLS Fellowships

American Council of Learned Societies (ACLS)

Due Date: 9/23/2015

The **ACLS Fellowship program** invites research applications in all disciplines of the [humanities and related social sciences](#). The ultimate goal of the project should be a major piece of scholarly work by the applicant. ACLS does not fund creative work (e.g., novels or films), textbooks, straightforward translation, or pedagogical projects. The ACLS Fellowships are intended as salary replacement to help scholars devote six to twelve continuous months to full-time research and writing. ACLS Fellowships are portable and are tenable at the fellow's home institution, abroad, or at another appropriate site for research. (1) An ACLS Fellowship may be held concurrently with other fellowships and grants and any sabbatical pay, up to an amount equal to the candidate's current academic year salary.

URL: <http://www.acls.org/programs/acls/>

Craft Research Fund

Center for Craft, Creativity & Design

Due Date: 10/9/2015 (Travel Grants due 10/30/2015)

The [Center for Craft, Creativity & Design](#) administers the Craft Research Fund program, which works to advance, expand, and support research about craft in the United States. The program supports innovative research on critical issues in craft theory and history, explores the inter-relationship among craft, art, design and contemporary culture, fosters new cross-disciplinary approaches to scholarship in the U.S. craft field, and advances investigation of neglected questions on craft history and criticism. Types of grants within program:

- 1) **Project Grants** of up to \$15,000 will be awarded for research, writing, support documentation, images or rights to use images or text, as part of the research yet to be completed.
- 2) **Exhibition Research and Project Grants** of up to \$15,000 will be awarded to support research projects related to the goals of the Craft Research Fund.
- 3) **Graduate Research Grants** of up to \$10,000 will be awarded to support research for a master's thesis or dissertation relating to craft in the United States.

- 4) **Travel Grants** of up to \$500 are awarded to individuals invited to read papers relating to U.S. studio craft at any scholarly conference.

Proposals are welcome from academic researchers, independent scholars, and graduate students. The grant program is not about the creation of artwork. The fund will begin accepting proposals on May 4, 2015.

URL: <http://www.craftcreativitydesign.org/grants/craft-research-fund/>

Grants & Fellowships

Hagley Museum & Library

Due Date: 10/31/2015

The Center for the History of Business, Technology, and Society organizes scholarly conferences, research seminars, and administers research grants for the Hagley Library. With its focus on advanced study, the Center fosters a community of scholars that includes Hagley staff, faculty and graduate students, museum professionals, research fellows and associates, and visiting scholars from around the world. Its efforts are designed to bring attention to Hagley's research collections and to generate intellectual dialogue at Hagley. The Center offers [grants](#) that cover costs associated with traveling to use Hagley's research collection. Application deadlines are March 31, June 30, and October 31, and between twenty-five and thirty grants are awarded each year. The Center also awards one-semester [dissertation fellowships](#), with a November 15 application deadline, for graduate students whose research includes Hagley's collections.

URL: <http://www.hagley.org/library-grants>

Furthermore Grants in Publishing

J.M. Kaplan Fund

Due Date: 9/1/2015, 3/1/2016

Furthermore grants assist nonfiction books having to do with art, architecture, and design; cultural history, the city, and related public issues; and conservation and preservation. Furthermore looks for work that appeals to an informed general audience; gives evidence of high standards in editing, design, and production; and promises a reasonable shelf life. The grants, ranging roughly from \$1,500 to a maximum of \$15,000, are awarded twice annually. Postmarked application deadlines are March 1 and September 1. Funds apply to such specific publication components as writing, research, editing, indexing, design, illustration, photography, and printing and binding.

URL: <http://www.furthermore.org/guidelines.html>

BUSINESS

SHRM Foundation Research Grants

Society for Human Resource Management (SHRM) Foundation

Due Date: 10/1/2015

The SHRM Foundation funds high impact HR research, aimed at an academic audience while also having direct actionable implications for HR practice, whether the focus is on addressing current challenges or understanding emerging trends. Any topic will be considered, however the grant must be for original rigorous empirical academic research that advances the HR profession. While aimed at an academic audience, funded research should also have clear applicability for HR practice and help contribute to evidence-based HR. As such, projects submitted for funding should have a high likelihood of both adding value to the HR academic literature (i.e., be suitable for leading academic journals) and yielding practical implications for HR managers (i.e., applied outlets should be interested in the research results). It is crucial that there is continuity between the research questions proposed and the methods used. The research should also be able to reasonably generalize across people and settings. Investigators should include a statement in the proposal regarding the individuals, groups, industry sectors or countries for which their findings are expected to generalize, given the sample and study design. The SHRM Foundation is open to funding research using any type of research methodology as long as the proposed methodology is sound and appropriate for the proposed research question(s). Those research questions typically (but not solely) take the form of theoretically derived hypotheses.

URL: <https://www.shrm.org/about/foundation/research/pages/default.aspx>

Grants Program

National Endowment for Financial Education (NEFE)

Due Dates: 12/1/2015

The grants program seeks innovative research that can make a profound contribution to the field of financial literacy. Inquiries are encouraged from disciplines in fields as diverse as:

- behavior
- economics
- neuroscience
- sociology
- psychology
- marketing
- finance
- education
- change theory
- decision sciences and others

Project outcomes should be actionable in the field of financial literacy, directly relevant to the financial well-being of the public, and able to be applied broadly. NEFE seeks projects whose outcomes can improve the public's ability to achieve personal and household financial well-being. Of particular interest are pro-active research projects initiated from one of a broad spectrum of scholarly disciplines whose findings may cultivate critical thinking in the financial literacy community. Also of interest are development projects that put research recommendations into action. Project outcomes must be capable of achieving traction and measurable impact with audiences such as financial education intermediaries, researchers, practitioners, decision makers, and others who can achieve effective outreach to a target population with an unmet financial literacy need or to the general public.

URL: <http://www.nefe.org/what-we-provide/research-funding/grant-guidelines.aspx>

Research Report Stipend

IBM Center for the Business of Government

Due Date: 10/1/2015

The aim of the program is to use rigorous public management research and analytic techniques to help public sector executives and managers improve the effectiveness of government. It is looking for very practical findings and actionable recommendations to assist executives and managers to more effectively respond to mission and management challenges. Individuals receiving a stipend should produce a 10,000- to 12,000-word report written for government leaders and public managers, providing very practical knowledge and insight. Reports should address the following six public management topics: 1) Fostering Innovation and Transformation, 2) Aligning Mission Support with Mission Delivery, 3) Developing Cost Savings Strategies To Improve Efficiency and Effectiveness, 4) Making the Best Use of Performance and Results Management, 5) Managing Risk, and 6) Developing New Models of Public Leadership Within and Across Agencies. The center also welcomes interesting and timely practical research and actionable recommendations in other current and emerging areas of importance for government, such as acquisition, supply chain, social media, human capital and workforce development, financial management, information technology, healthcare reform implementation, and sustainability. In addition to targeting executives and managers in the US federal government, reports are also welcome which deal with state or international government affairs.

URL: <http://www.businessofgovernment.org/content/research-stipends>

EDUCATION

Improving Undergraduate STEM Education: Education and Human Resources (IUSE: EHR)

National Science Foundation (NSF)

Due Date: Exploratory Tracks 11/3/2015, Development Projects 1/13/2016

A well-prepared, innovative science, technology, engineering and mathematics (STEM) workforce is crucial to the Nation's health and economy. Indeed, recent policy actions and reports have drawn attention to the opportunities and challenges inherent in increasing the number of highly qualified STEM graduates, including STEM teachers. Priorities include educating students to be leaders and innovators in emerging and rapidly changing STEM fields as well as educating a scientifically literate populace. Both of these priorities depend on the nature and quality of the undergraduate education experience. In addressing these STEM challenges and priorities, the National Science Foundation invests in evidence-based and evidence-generating approaches to understanding STEM learning; to designing, testing, and studying instruction and curricular change; to wide dissemination and implementation of best practices; and to broadening participation of individuals and institutions in STEM fields. The goals of these investments include: increasing the number and diversity of STEM students, preparing students well to participate in science for tomorrow, and improving students' STEM learning outcomes. The Improving Undergraduate STEM Education (IUSE: EHR) program invites proposals that address immediate challenges and opportunities that are facing undergraduate STEM education, as well as those that anticipate new structures (e.g. organizational changes, new methods for certification or credentialing, course re-conception, cyberlearning, etc.) and new functions of the undergraduate learning and teaching enterprise. The IUSE: EHR program recognizes and respects the

variety of discipline-specific challenges and opportunities facing STEM faculty as they strive to incorporate results from educational research into classroom practice and work with education research colleagues and social science learning scholars to advance our understanding of effective teaching and learning. Toward these ends the program features two tracks: (1) **Engaged Student Learning** and (2) **Institutional and Community Transformation**. Two tiers of projects exist within each track: (i) *Exploration and Design* and (ii) *Development and Implementation*. **NSF 15-585**

URL: <http://www.nsf.gov/pubs/2015/nsf15585/nsf15585.htm>

IRA Elva Knight Research Grant

International Reading Association (IRA)

Due Date: 11/1/2015

The IRA Elva Knight Research Grant provides up to US\$8,000 for research in reading and literacy. Projects should be completed within 2 years and may be carried out using any research method or approach so long as the focus of the project is on research in reading or literacy. Activities such as developing new programs or instructional materials are not eligible for funding except to the extent that these activities are necessary procedures for the conduct of the research.

URL: http://www.reading.org/Resources/AwardsandGrants/research_knight.aspx

Learning and Leadership Grants

NEA Foundation

Due Date: 10/15/2015, 2/1/2016, 6/1/2016

The NEA Foundation provides grants to support public school teachers, public education support professionals, and/or faculty and staff in public institutions of higher education for one of the following two purposes: Grants to individuals fund participation in high-quality professional development experiences, such as summer institutes or action research; or grants to groups fund collegial study, including study groups, action research, lesson study, or mentoring experiences for faculty or staff new to an assignment. With the exception of study groups, applicants may not use grant funds to pay themselves stipends. Funds may not be used for lobbying or religious purposes. Identical applications will not be considered. All professional development must improve practice, curriculum, and student achievement. The grant amount is \$2,000 for individuals and \$5,000 for groups engaged in collegial study. All \$5,000 group grant applicants must include partner information.

URL: <http://www.neafoundation.org/pages/learning-leadership-grants/>

Strengthening Secondary Education

Arthur Vining Davis Foundation

Due Dates: 11/1/2015

A key philanthropic goal of the secondary education program is to fund initiatives with the capacity for expansion or replication to the state, regional or national levels. Requests should target professional development of high school teachers and offer best-in-class training to address a significant issue(s) facing teachers. Efforts to assist either in-service teachers or new teacher preparation are

welcome. Encouraging the use of technology to promote improved teaching and outreach efforts to connect colleges and universities with school districts are invited. Curricular improvement should be aligned with relevant standards and include both content and pedagogy. Requests to support well-established programs should have the potential to improve quality significantly.

URL: <http://www.avdf.org/FoundationsPrograms/SecondaryEducation.aspx>

ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

Computer and Information Science and Engineering (CISE) Research Initiation Initiative (CRII)

National Science Foundation (NSF)

Due Date: 9/30/2015

With the goal of encouraging research independence immediately upon obtaining one's first academic position after receipt of the PhD, the Directorate for Computer and Information Science and Engineering (CISE) will award grants to initiate the course of one's independent research. Understanding the critical role of establishing that independence early in one's career, it is expected that funds will be used to support untenured faculty or research scientists (or equivalent) in their first two years in a primary academic position after the PhD, but not more than a total of five years after completion of their PhD. One may not yet have received any other grants or contracts in the Principal Investigator (PI) role from any department, agency, or institution of the federal government, including from the CAREER program or any other program, post-PhD, regardless of the size of the grant or contract, with certain exceptions noted below. Serving as co-PI, Senior Personnel, Postdoctoral Fellow, or other Fellow does not count against this eligibility rule. Grants, contracts, or gifts from private companies or foundations; state, local, or tribal governments; or universities do not count against this eligibility rule. It is expected that these funds will allow the new CISE Research Initiation Initiative PI to support one or more graduate students for up to two years. Faculty at undergraduate and two-year institutions may use funds to support undergraduate students, and may use the additional RUI designation. **NSF 15-569**

URL: http://www.nsf.gov/pubs/2015/nsf15569/nsf15569.htm?WT.mc_id=USNSF_25&WT.mc_ev=click

Lifetime Achievement Awards

National Council of Teachers of Mathematics (NCTM)

Due Date: Letters of Nomination 11/6/2015

The [National Council of Teachers of Mathematics](#) Lifetime Achievement Awards are designed to honor current (on or before October 15, 2014) Full Individual, E-Members, or Emeritus Members of NCTM who have exhibited a lifetime of achievement in mathematics education at the national level. The Lifetime Achievement Award recognizes achievement in leadership, teaching, and service. Distinction in these categories can be demonstrated through performance of the nominee on the job; service beyond the requirements of the job at the state and national/international level; and service to NCTM such as offices held, committee memberships, special projects, meetings, and publications. The award may be given posthumously. Presentations are made yearly at the [NCTM Annual Meeting and](#)

Exposition. To be eligible, nominees should have a minimum of twenty-five years of distinguished service in the field of mathematics education.

URL: <http://www.nctm.org/metlifetime/>

Mid-Scale Innovations Program in Astronomical Sciences (MSIP)

National Science Foundation (NSF)

Due Date: Preliminary Proposals 9/16/2015; Full Proposals 2/22/2016

A vigorous Mid-Scale Innovations Program (MSIP) was recommended by the 2010 Astronomy and Astrophysics Decadal Survey, citing "many highly promising projects for achieving diverse and timely science." As described in this solicitation, the Division of Astronomical Sciences has established a mid-scale program to support a variety of astronomical activities within a cost range up to \$30M. This program will be formally divided into four subcategories: 1) limited term, self-contained science projects; 2) longer term mid-scale facilities; 3) development investments for future mid-scale and large-scale projects; and 4) community open access capabilities. The MSIP will emphasize both strong scientific merit and a well-developed plan for student training and involvement of a diverse workforce in instrumentation, facility development, or data management. **NSF 15-580**

URL: <http://www.nsf.gov/pubs/2015/nsf15580/nsf15580.htm>

NSF Scholarships in Science, Technology, Engineering, and Mathematics (S-STEM)

National Science Foundation (NSF)

Due Date: 9/22/2015, 5/16/2016

The National Science Foundation (NSF) Scholarships in Science, Technology, Engineering, and Mathematics program (S-STEM) addresses the need for a high quality STEM workforce in areas of national priorities. The program seeks to increase the success of low-income academically talented students with demonstrated financial need who are pursuing associate, baccalaureate, or graduate degrees in science, technology, engineering, and mathematics (STEM). The program provides awards to Institutions of Higher Education (IHEs) to fund scholarships, and to enhance and study effective curricular and co-curricular activities that support recruitment, retention, student success, and graduation in STEM. The S-STEM program encourages collaborations among different types of partners: Partnerships among different types of institutions, collaborations of STEM faculty and educational and social science researchers, or partnerships among institutions of higher education and business and industry. The program seeks: 1) to increase the number of low-income academically talented students with demonstrated financial need obtaining degrees in STEM and entering the STEM workforce or graduate study; 2) improve the education of future scientists, engineers, and technicians, with a focus on academically talented low-income students; and 3) advance understanding of the factors or curricular and co-curricular activities affecting the success of low-income students. In this solicitation, the acronym STEM stands for science, technology, engineering, and mathematics that includes biological sciences (except medicine and other clinical fields); physical sciences (including physics, chemistry, astronomy, and materials science); mathematical sciences; computer and information sciences; geosciences; engineering; and technology areas associated with the preceding disciplines (for example, biotechnology, chemical technology, engineering technology, information technology, etc.)

The S-STEM program particularly encourages proposals from 2-year institutions, Minority Serving Institutions (MSIs), and urban public and rural institutions. **NSF 15-581**

URL:http://www.nsf.gov/pubs/2015/nsf15581/nsf15581.htm?WT.mc_id=USNSF_25&WT.mc_ev=click

Simons Collaborations in Mathematics and the Physical Sciences

Simons Foundation

Due Date: Letters of Intent 10/31/2015; Full Proposals 3/31/2015 (ANTICIPATED)

The aim of the Simons Collaborations in MPS program is to stimulate progress on fundamental scientific questions of major importance in the broad area of mathematics, theoretical physics, and theoretical computer science. A Simons Collaboration in MPS should address a mathematical or theoretical topic of fundamental scientific importance, where a significant new development creates a novel area for exploration or provides a new direction for progress in an established field. The questions addressed by the Simons Collaboration may be concrete or conceptual, but there should be little doubt that answering these would constitute a major scientific milestone. The project should have clearly defined initial activities and goals by which progress and its success can be measured. The support from the foundation should be seen as critical for the objectives of the project. The project should involve outstanding researchers with a range of career stages. Excellence of the scientific leadership is one of the main criteria in the selection process. The project should be organized and managed in a manner engendering a high level of collaboration.

URL: <https://www.simonsfoundation.org/funding/funding-opportunities/mathematics-physical-sciences/simons-collaborations-in-mathematics-and-the-physical-sciences/>

Thermal Transport Processes

National Science Foundation (NSF)

Due Date: 10/20/2015

The **Thermal Transport Processes (TTP)** program supports engineering research aimed at gaining a basic understanding of the thermal transport phenomena and processes that are driven by thermal gradients and manipulating of these processes to achieve engineering goals. Of specific interest is research that explores active and passive control of the dynamics of thermal processes, and simulations and experiments that bridge and model information across multiple scales. **PD 14-1406**

Application areas of interest include:

- Cooling and heating of components, devices and equipment.
- Thermal transport processes in: energy conversion & storage; power generation; physiologic systems; and propulsion.

Priority is given to insightful investigations of fundamental problems with clearly defined economic, environmental and societal impacts.

Note that proposals that focus primarily on the following issues are NOT of interest to the TTP program:

- Designing materials and their thermal properties

- Thermal transport in materials synthesis and/or processing; these proposals should be directed to the Materials Engineering and Processing (MEP) program in ENG/CMMI or the Division of Materials Research (DMR) in the Mathematical and Physical Sciences (MPS) Directorate.
- Mass transport or system design-oriented efforts.

URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13367

Environmental Engineering

National Science Foundation (NSF)

Due Date: 10/20/2015

The goal of the **Environmental Sustainability** program is to promote sustainable engineered systems that support human well-being and that are also compatible with sustaining natural (environmental) systems. These systems provide ecological services vital for human survival. Research efforts supported by the program typically consider long time horizons and may incorporate contributions from the social sciences and ethics. The program supports engineering research that seeks to balance society's need to provide ecological protection and maintain stable economic conditions. **There are four principal general research areas that are supported:**

- **Industrial Ecology:** Topics of interest in Industrial Ecology include advancements in modeling such as life cycle assessment, materials flow analysis, input/output economic models, and novel metrics for measuring sustainable systems. Innovations in industrial ecology are encouraged.
- **Green Engineering:** Research is encouraged to advance the sustainability of manufacturing processes, green buildings, and infrastructure. Many programs in the Engineering Directorate support research in environmentally benign manufacturing or chemical processes. The Environmental Sustainability program supports research that would affect more than one chemical or manufacturing process or that takes a systems or holistic approach to green engineering for infrastructure or green buildings. Improvements in distribution and collection systems that will advance smart growth strategies and ameliorate effects of growth are research areas that are supported by Environmental Sustainability. Innovations in management of storm water, recycling and reuse of drinking water, and other green engineering techniques to support sustainability may also be fruitful areas for research. **NOTE:** Water treatment proposals are to be submitted to the CBET Environmental Engineering program (1440), NOT the Environmental Sustainability program (7643).
- **Ecological Engineering:** Topics should focus on the engineering aspects of restoring ecological function to natural systems. Engineering research in enhancement of natural capital to foster sustainable development is encouraged.
- **Earth Systems Engineering:** Earth Systems Engineering considers aspects of large scale engineering research that involve mitigation of greenhouse gas emissions, adaptation to climate change, and other global scale concerns.

URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501027

Secure and Trustworthy Cyberspace (SaTC)

National Science Foundation (NSF)

Due Date: 9/16/2015 Medium Projects, 9/24/2015 Large Projects, 11/18/2015 Small Projects, 12/16/2015 Cybersecurity Education Projects

Cyberspace has transformed the daily lives of people for the better. The rush to adopt cyberspace, however, has exposed its fragility and vulnerabilities: corporations, agencies, national infrastructure and individuals have been victims of cyber-attacks. In December 2011, the National Science and Technology Council (NSTC) with the cooperation of NSF issued [a broad, coordinated Federal strategic plan](#) for cybersecurity research and development to "change the game," minimize the misuses of cyber technology, bolster education and training in cybersecurity, establish a science of cybersecurity, and transition promising cybersecurity research into practice. This challenge requires a dedicated approach to research, development, and education that leverages the disciplines of mathematics and statistics, the social sciences, and engineering together with the computing, communications and information sciences. The Secure and Trustworthy Cyberspace (SaTC) program welcomes proposals that address cybersecurity from:

- a Trustworthy Computing Systems (TWC) perspective and/or a Social, Behavioral and Economic Sciences (SBE) perspective;
- the Secure, Trustworthy, Assured and Resilient Semiconductors and Systems (STARSS) perspective; or
- the Transition to Practice (TTP) perspective.

In addition, we welcome proposals that integrate research addressing all of these perspectives (see the Program Description below). Proposals may be submitted in one of the following three project classes (plus Cybersecurity Education; see below):

- Small projects: up to \$500,000 in total budget, with durations of up to three years;
- Medium projects: \$500,001 to \$1,200,000 in total budget, with durations of up to four years; or
- Large projects: \$1,200,001 to \$3,000,000 in total budget, with durations of up to five years.

In addition, the SaTC program seeks proposals focusing entirely on Cybersecurity Education with total budgets limited to \$300,000 and durations of up to two years. **NSF 15-575**

URL:http://www.nsf.gov/pubs/2015/nsf15575/nsf15575.htm?WT.mc_id=USNSF_25&WT.mc_ev=click

Division of Physics: Investigator-Initiated Research Projects (PHY)

National Science Foundation (NSF)

Due Date: 10/28/2015, 11/13/2015, 12/3/2015, 2/3/2016 (varies depending on program – see below for specifics)

The Division of Physics (PHY) supports physics research and education in the nation's colleges and universities across a broad range of physics disciplines that span scales of space and time from the largest to the smallest and the oldest to the youngest. The Division is comprised of disciplinary programs covering experimental and theoretical research in the following major subfields of physics: Accelerator Science; Atomic, Molecular, Optical and Plasma Physics; Computational Physics; Elementary Particle Physics; Gravitational Physics; Nuclear Physics; Particle Astrophysics; Physics of Living Systems; Quantum Information Science; Education and Interdisciplinary Research. The Physics Division strongly encourages single proposal submission for possible co-review rather than multiple submissions of proposals with slight differences to several programs. This division-wide solicitation

replaces an annual Dear Colleague Letter (the most recent version is [NSF12-068](#)). The solicitation follows most of the requirements in the Grant Proposal Guide, but has additional requirements listed. These relate primarily to proposers who anticipate having multiple sources of support, and proposals involving significant instrumentation development. This solicitation also has deadlines instead of target dates. All proposals submitted to the Physics Division that are not governed by another solicitation (such as CAREER) should be submitted to this solicitation; otherwise they will be returned without review. The Mathematical Physics program has been discontinued as a separate, stand-alone program and will not entertain new proposals. PIs interested in submitting proposals that use mathematical physics methods to address physics problems in disciplinary areas within the purview of the Physics Division are encouraged to submit proposals directly to the programs identified in this solicitation. **NSF 14-576**

10/28/2015: Physics of Living Systems, Experimental Atomic Molecular and Optical Physics; Nuclear Physics; Elementary Particle Physics; Particle Astrophysics; Theoretical Atomic, Molecular, Optical and Plasma Physics; Gravitational Physics; and Education and Interdisciplinary Research

11/13/2015: Theoretical Nuclear Physics

12/3/2015: Theoretical Elementary Particle Physics; Theoretical Astrophysics and Cosmology; Physics at the Information Frontier (Computational Physics, Quantum Information Science)

2/3/2016: Accelerator Science

URL: <http://www.nsf.gov/pubs/2014/nsf14576/nsf14576.htm>

Quantum Information Science

National Science Foundation (NSF)

Due Date: 12/3/2015

Quantum Information Science (QIS) supports theoretical and experimental proposals that explore quantum applications 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. The quantum information science program is focused on investigations relevant to 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, gravitational and biological physics, particle astrophysics, and accelerator science. 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. **PD 15-7281**

URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505207&WT.mc_id=USNSF_25&WT.mc_ev=click

Design of Engineering Material Systems (DEMS)

National Science Foundation (NSF)

Due Date: 2/17/2015, 9/15/2015, 2/16/2016

The Design of Engineering Material Systems (DEMS) program supports fundamental research intended to lead to new paradigms of design, development, and insertion of advanced engineering material systems. Fundamental research that develops and creatively integrates theory, processing/manufacturing, data/informatics, experimental, and/or computational approaches with rigorous engineering design principles, approaches, and tools to enable the accelerated design and development of materials is welcome. Research proposals are sought that strive to develop systematic scientific methodologies to tailor the behavior of material systems in ways that are driven by performance metrics and incorporate processing/manufacturing. While an emphasis on a specific material system may be appropriate to provide the necessary project focus, techniques developed should transcend materials systems. Ultimately it is expected that research outcomes will be methodologies to enable the discovery of materials systems with new properties and behavior, and enable their rapid insertion into engineering systems. Proposals that focus on modeling, simulation, and prediction of material performance (even when research is coupled with experiments for validation or guidance) without an intellectual emphasis on design are not appropriate for this program and should be submitted to other disciplinary programs. **PD 12-8086**

URL:http://www.nsf.gov/funding/pqm_summ.jsp?pims_id=504809&WT.mc_id=USNSF_39&WT.mc_e v=click

Materials Engineering and Processing (MEP)

National Science Foundation (NSF)

Due Date: 9/15/2015, 2/16/2016

The Materials Engineering and Processing (MEP) program supports fundamental research addressing the processing and mechanical performance of engineering materials by investigating the interrelationship of materials processing, structure, properties and/or life-cycle performance for targeted applications. Materials processing proposals should focus on manufacturing processes that convert material into useful form as either intermediate or final composition. These include processes such as extrusion, molding, casting, deposition, sintering and printing. Proposed research should include the consideration of cost, performance, and feasibility of scale-up, as appropriate. Novel processes for the production of nanoscale materials (nanotubes, nanocrystals, etc.) are of interest. Process optimization studies without a fundamental scientific contribution are not supported. Research plans driven by scientific hypotheses are encouraged. Material structures across length scales ranging from nano to meso to macro are of interest. Research on materials in the bulk or in special configurations such as surfaces or interfaces is appropriate as are research proposals related to surface engineering or tribology. Analytical, experimental, and/or numerical studies are supported. Collaborative proposals with industry (GOALI) are encouraged. **PD 13-8092**

URL:http://www.nsf.gov/funding/pqm_summ.jsp?pims_id=504950&WT.mc_id=USNSF_39&WT.mc_e v=click

Manufacturing Enterprise Systems (MES)

National Science Foundation (NSF)

Due Date: 9/15/2015

The MES program supports research on design, planning, and control of operations in manufacturing enterprises. Research is supported that is both grounded in an interesting and relevant application and requires the development of novel analytical and computational methodologies that may be of broader interest. Topics of interest include supply chain optimization and management; production planning and scheduling; monitoring and control of manufacturing processes; and maintenance and repair. Of particular interest are methods that incorporate increasingly rich enterprise process and product information and models, methods that address sustainability, and methods that incorporate characteristic uncertainty and risk. **PD 13-1786**

URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13342&WT.mc_id=USNSF_39&WT.mc_ev=click

Doctoral New Investigator (DNI) Grants

American Chemical Society Petroleum Research Fund

Due Date: 10/16/2015

The Doctoral New Investigator grants program aims to promote the careers of young faculty by supporting research of high scientific caliber, and to enhance the career opportunities of their undergraduate/ graduate students, and postdoctoral associates through the research experience. Doctoral New Investigator (DNI) grants provide start-up funding for scientists and engineers in the United States who are within the first three years of their first academic appointment at the level of Assistant Professor or the equivalent. Applicants may have limited or no preliminary results for a research project they wish to pursue, with the intention of using the preliminary results obtained to seek continuation funding from other agencies. The DNI grants are to be used to illustrate proof of principle or concept, to test a hypothesis, or to demonstrate feasibility of an approach. The DNI grants program is seeking investigator-initiated, original research across the spectrum of the fund's mission. Original research is defined as being different from that performed previously by the PI as part of their graduate or postdoctoral studies. Excluded from consideration are proposals in which the ideas being presented are a mere extension of research from the PI's graduate or postdoctoral experience. Research projects must be unique.

URL: <http://www.acs.org/content/acs/en/funding-and-awards/grants/prf/programs/dni.html>

New Directions Grants

American Chemical Society Petroleum Research Fund

Due Date: 10/16/2015

The New Directions (ND) grants program provides funds to scientists and engineers with limited—or even no—preliminary results for a research project they wish to pursue, who intend to use the PRF-driven preliminary results to seek continuation funding from other agencies. ND grants are to be used to illustrate proof of concept/feasibility. Accordingly, they are to be viewed as seed money for new research ventures. A "new research direction" is something different from previous

research performed by the lead principal investigator (lead PI). But, it may involve a field of science or engineering in which others are already working. Therefore, the proposed research should not be in the same direction as—or overlap with—current projects in the lead PI's research group.

URL: <http://www.acs.org/content/acs/en/funding-and-awards/grants/prf/programs/nd.html>

General & Age-Related Disabilities Engineering (GARDE)

National Science Foundation (NSF)

Due Date: 10/20/2015

The **General & Age Related Disabilities Engineering (GARDE)** program supports fundamental engineering 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. Areas of particular interest are disability-related research in neuroengineering and rehabilitation robotics. Emphasis is placed on significant advancement of fundamental engineering and not on incremental improvements. Applicants are encouraged to contact the Program Director prior to submitting a proposal. **PD 14-5342**

URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501021

Electronics, Photonics, and Magnetic Devices (EPMD)

National Science Foundation (NSF)

Due Date: 11/2/2015

The Electronics, Photonics, and Magnetic Devices (EPMD) Program seeks to improve the fundamental understanding of devices and components based on the principles of micro- and nano-electronics, optics and photonics, optoelectronics, magnetics, electromechanics, electromagnetics, and related physical phenomena. The program enables discovery and innovation advancing the frontiers of nanoelectronics, spin electronics, molecular and organic electronics, bioelectronics, biomagnetics, non-silicon electronics, and flexible electronics. The Optics & Photonics component of EPMD supports research and engineering efforts leading to significant advances in novel optical sources and photodetectors, optical communication devices, photonic integrated circuits, single-photon quantum devices, and nanophotonics. Related areas of interest include novel optical imaging and sensing applications and solar cell photovoltaics. The Electronics & Magnetic component of EPMD addresses advances in energy-efficient electronics, sensors, low-noise, power electronics, and mixed signal devices. EPMD supports related topics in quantum devices and novel electromagnetic materials-based device solutions from DC to high-frequency, millimeter-wave and THz, monolithic integrated circuits built with them, and electromagnetic effects, components needed for communications, telemedicine, and other wireless applications. Wide bandgap semiconductor devices, device design, processing and characterization, as well as metamaterial and plasmonic based devices are of interest. Novel electronic, photonic and magnetic devices with organic, inorganic or hybrid materials on conformable or transparent substrates are also of interest, as are carbon-based and emerging 2D atomic-layered materials for electronic, photonic, magnetic, energy harvesting and other related device application areas. Interest extends to novel ideas for next generation of memory devices. **PD 13-1517**

URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13379&WT.mc_id=USNSF_39&WT.mc_ev=click

Communications, Circuits, and Sensing-Systems (CCSS)

National Science Foundation (NSF)

Due Date: 11/2/2015

The Communications, Circuits, and Sensing-Systems (CCSS) Program is intended to spur visionary systems-oriented activities in collaborative, multidisciplinary, and integrative research. CCSS supports systems research in hardware, signal processing techniques, and architectures to enable the next generation of cyber-physical systems (CPS) that leverage computation, communication, and algorithms integrated with physical domains. CCSS supports innovative research and integrated educational activities in micro- and nano- electromechanical systems (MEMS/NEMS), communications and sensing systems, and cyber-physical systems. The goal is to design, develop, and implement new complex and hybrid systems at all scales, including nano and macro, that lead to innovative engineering principles and solutions for a variety of application domains including, but not limited to, healthcare, medicine, environmental monitoring, communications, disaster mitigation, homeland security, transportation, manufacturing, energy, and smart buildings. CCSS also supports integration technologies at both intra- and inter- chip levels, new and advanced radio frequency (RF), millimeter wave and optical wireless and hybrid communications systems architectures, and sensing and imaging at terahertz (THz) frequencies. Proposals for the CCSS program may involve collaborative research to capture the breadth of expertise needed for such multidisciplinary integrative activities. ECCS will consider supporting a limited number of small team proposals of three or more Investigators from different disciplines and/or universities. **PD 13-7564**

[URL:http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13381&WT.mc_id=USNSF_39&WT.mc_ev=click](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13381&WT.mc_id=USNSF_39&WT.mc_ev=click)

Energy, Power, Control and Networks (EPCN)

National Science Foundation (NSF)

Due Date: 11/2/2015

Recent advances in communications, computation, and sensing technologies offer unprecedented opportunities for the design of cyber-physical systems with increased responsiveness, interconnectivity and automation. To meet new challenges and societal needs, the Energy, Power, Control and Networks (EPCN) Program invests in systems and control methods for analysis and design of cyber-physical systems to ensure stability, performance, robustness, and security. Topics of interest include modeling, optimization, learning, and control of networked multi-agent systems, higher-level decision making, and dynamic resource allocation as well as risk management in the presence of uncertainty, sub-system failures and stochastic disturbances. EPCN also invests in adaptive dynamic programming, brain-like networked architectures performing real-time learning, and neuromorphic engineering. EPCN supports innovative proposals dealing with systems research in such areas as energy, transportation, and nanotechnology. EPCN places emphasis on electric power systems, including generation, transmission, storage, and integration of renewables; power electronics and drives; battery management systems; hybrid and electric vehicles; and understanding of the interplay of power systems with associated regulatory and economic structures and with consumer behavior. Also of interest are interdependencies of power and energy systems with other critical infrastructures. Topics of interest include energy scavenging and alternate energy technologies such as solar, wind, and hydrokinetic. The program also supports innovative tools and test beds, as well as curriculum development integrating

research and education. In addition to single investigator projects, EPCN encourages cross-disciplinary proposals that benefit from active collaboration of researchers with complementary skills. Proposals for the EPCN program may involve collaborative research to capture the breadth of expertise needed for such multidisciplinary integrative activities. ECCS will consider supporting a limited number of small team proposals of three or more Investigators from different disciplines and/or universities. **PD 13-7607**

URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13380&WT.mc_id=USNSF_39&WT.mc_ev=click

Computing and Communication Foundations (CCF): Core Programs

National Science Foundation (NSF)

Due Date: Medium 9/16/2015, Large 9/24/2015, Small 11/18/2015

CISE's Division of Computing and Communication Foundations (CCF) supports research and education projects that develop new knowledge in three core programs:

- The Algorithmic Foundations (AF) program;
- The Communications and Information Foundations (CIF) program; and
- The Software and Hardware Foundations (SHF) program.

Proposers are invited to submit proposals in three project classes, which are defined as follows:

- Small Projects - up to \$500,000 total budget with durations up to three years;
- Medium Projects - \$500,001 to \$1,200,000 total budget with durations up to four years; and
- Large Projects - \$1,200,001 to \$3,000,000 total budget with durations up to five years.

NSF 15-573

URL: <http://www.nsf.gov/pubs/2015/nsf15573/nsf15573.htm>

Computer and Network Systems (CNS): Core Programs

National Science Foundation (NSF)

Due Date: Medium 9/16/2015, Large 9/24/2015, Small 11/18/2015

CISE's Division of Computer and Network Systems (CNS) supports research and education projects that develop new knowledge in two core programs:

- Computer Systems Research (CSR) program; and
- Networking Technology and Systems (NeTS) program.
-

Proposers are invited to submit proposals in three project classes, which are defined as follows:

- Small Projects - up to \$500,000 total budget with durations up to three years;
- Medium Projects - \$500,001 to \$1,200,000 total budget with durations up to four years; and
- Large Projects - \$1,200,001 to \$3,000,000 total budget with durations up to five years.

NSF 15-572

URL: <http://www.nsf.gov/pubs/2015/nsf15572/nsf15572.htm>

Information and Intelligent Systems (IIS): Core Programs

National Science Foundation (NSF)

Due Date: Medium 9/16/2015, Large 9/24/2015, Small 11/18/2015

CISE's Division of Information and Intelligent Systems (IIS) supports research and education projects that develop new knowledge in three **core programs**:

- The Cyber-Human Systems (CHS) program;
- The Information Integration and Informatics (III) program; and
- The Robust Intelligence (RI) program.

IIS is also responsible for managing the review process for proposals in Computer Graphics and Visualization; these proposals may be submitted to any of the three core programs described above.

Proposers are invited to submit proposals in three project classes, which are defined as follows:

- Small Projects - up to \$500,000 total budget with durations up to three years;
- Medium Projects - \$500,001 to \$1,200,000 total budget with durations up to four years; and
- Large Projects - \$1,200,001 to \$3,000,000 total budget with durations up to five years.

NSF 15-574

URL: <http://www.nsf.gov/pubs/2015/nsf15574/nsf15574.htm>

Unsolicited Chemistry Proposals

National Science Foundation (NSF)

Due Date: Depending upon the program - 9/30/2015, 10/31/2015

Supports unsolicited proposals in all traditional areas of chemistry and multidisciplinary fields drawing on the chemical sciences & enable basic research & education. Modes of support include single/multi-investigator awards, shared instrumentation funding, instrumentation development, and educational projects that leverage the division's research investments to build research capacity. Projects that build infrastructure and partnerships that advance chemical sciences are also supported. Annual deadlines: submission windows are 9/1-9/30 and 10/1-10/31 depending on individual programs within the Division of Chemistry.

URL: <http://www.nsf.gov/div/index.jsp?div=CHE>

Innovative Systems for Military Missions

Defense Advanced Research Projects Agency (DARPA), Tactical Technology Office (TTO)

Due Date: Proposals accepted through 4/27/2016

The Tactical Technology Office of the Defense Advanced Research Projects Agency is soliciting executive summaries, white papers and proposals for advanced research and development of innovative systems for military missions. This solicitation seeks system and subsystem level technologies that enable revolutionary improvements to the efficiency and effectiveness of the military. Novel concepts are sought in the following focus areas: Ground Systems, Maritime Systems, Air Systems, and Space Systems. The Tactical Technology Office of the Defense Advanced Research Projects Agency is soliciting executive summaries, white papers and proposals for advanced research

and development of innovative systems for military missions. This solicitation seeks system and subsystem level technologies that enable revolutionary improvements to the efficiency and effectiveness of the military. Novel concepts are sought in the following focus areas: Ground Systems, Maritime Systems, Air Systems, and Space Systems. Proposals may be submitted at any time while this solicitation is open. TTO may publish groups of special topics as modifications to this BAA throughout the year. TTO also welcomes classified submissions. **DARPA-BAA-15-27**

URL: <https://www.fbo.gov/index?s=opportunity&mode=form&id=44c072990482a429f86565e3005a0016&tab=core&cvview=0>

Communications, Circuits, and Sensing-Systems

National Science Foundation (NSF)

Due Date: 10/1/2015 – 11/2/2015

The Communications, Circuits, and Sensing-Systems (CCSS) Program is intended to spur visionary systems-oriented activities in collaborative, multidisciplinary, and integrative research. CCSS supports systems research in hardware, signal processing techniques, and architectures to enable the next generation of cyber-physical systems (CPS) that leverage computation, communication, and algorithms integrated with physical domains. CCSS supports innovative research and integrated educational activities in micro- and nano- electromechanical systems (MEMS/NEMS), communications and sensing systems, and cyber-physical systems. The goal is to design, develop, and implement new complex and hybrid systems at all scales, including nano and macro, that lead to innovative engineering principles and solutions for a variety of application domains including, but not limited to, healthcare, medicine, environmental monitoring, communications, disaster mitigation, homeland security, transportation, manufacturing, energy, and smart buildings. CCSS also supports integration technologies at both intra- and inter- chip levels, new and advanced radio frequency (RF), millimeter wave and optical wireless and hybrid communications systems architectures, and sensing and imaging at terahertz (THz) frequencies.

URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13381

Electronics, Photonics, and Magnetic Devices

National Science Foundation (NSF)

Due Date: 10/1/2015 – 11/02/2015

The Electronics, Photonics, and Magnetic Devices (EPMD) Program seeks to improve the fundamental understanding of devices and components based on the principles of micro- and nano-electronics, optics and photonics, optoelectronics, magnetics, electromechanics, electromagnetics, and related physical phenomena. The program enables discovery and innovation advancing the frontiers of nanoelectronics, spin electronics, molecular and organic electronics, bioelectronics, biomagnetics, non-silicon electronics, and flexible electronics. The Optics & Photonics component of EPMD supports research and engineering efforts leading to significant advances in novel optical sources and photodetectors, optical communication devices, photonic integrated circuits, single-photon quantum devices, and nanophotonics. Related areas of interest include novel optical imaging and sensing applications and solar cell photovoltaics. The Electronics & Magnetic component of EPMD addresses advances in energy-efficient electronics, sensors, low-noise, power electronics, and mixed signal devices. EPMD supports related topics in quantum devices and novel electromagnetic materials-based

device solutions from DC to high-frequency, millimeter-wave and THz, monolithic integrated circuits built with them, and electromagnetic effects, components needed for communications, telemedicine, and other wireless applications. Wide bandgap semiconductor devices, device design, processing and characterization, as well as metamaterial and plasmonic based devices are of interest. Novel electronic, photonic and magnetic devices with organic, inorganic or hybrid materials on conformable or transparent substrates are also of interest, as are carbon-based and emerging 2D atomic-layered materials for electronic, photonic, magnetic, energy harvesting and other related device application areas. Interest extends to novel ideas for next generation of memory devices.

The program supports cooperative efforts with the semiconductor industry on new nanoelectronics concepts beyond the scaling limits of silicon technology. EPMD additionally emphasizes emerging areas of diagnostic, wearable and implantable devices, and supports manipulation and real-time measurement with nanoscale precision through new approaches to imaging and metrology.

URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13379

Energy, Power, Control and Networks (EPCN)

National Science Foundation (NSF)

Due Date: 10/1/2015 – 11/2/2015

Recent advances in communications, computation, and sensing technologies offer unprecedented opportunities for the design of cyber-physical systems with increased responsiveness, interconnectivity and automation. To meet new challenges and societal needs, the Energy, Power, Control and Networks (EPCN) Program invests in systems and control methods for analysis and design of cyber-physical systems to ensure stability, performance, robustness, and security. Topics of interest include modeling, optimization, learning, and control of networked multi-agent systems, higher-level decision making, and dynamic resource allocation as well as risk management in the presence of uncertainty, sub-system failures and stochastic disturbances. EPCN also invests in adaptive dynamic programming, brain-like networked architectures performing real-time learning, and neuromorphic engineering. EPCN supports innovative proposals dealing with systems research in such areas as energy, transportation, and nanotechnology. EPCN places emphasis on electric power systems, including generation, transmission, storage, and integration of renewables; power electronics and drives; battery management systems; hybrid and electric vehicles; and understanding of the interplay of power systems with associated regulatory and economic structures and with consumer behavior. Also of interest are interdependencies of power and energy systems with other critical infrastructures. Topics of interest include energy scavenging and alternate energy technologies such as solar, wind, and hydrokinetic. The program also supports innovative tools and test beds, as well as curriculum development integrating research and education. In addition to single investigator projects, EPCN encourages cross-disciplinary proposals that benefit from active collaboration of researchers with complementary skills.

URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13380

Research in Engineering Education (REE)

National Science Foundation (NSF)

Due Date: 9/17/2015, 1/28/2016

The Division of Engineering Education and Centers (EEC) supports creation of a more agile engineering education ecosystem, equally open and available to all members of society, that dynamically and rapidly adapts to meet the changing needs of society and the Nation's economy. Research is sought that will inform systemic change across all parts of the ecosystem; areas of interest include, but are not limited to:

- *Diversifying pathways to and through engineering degree programs.*
- *Exploring credentialing in engineering education.*
- *Understanding how to scale engineering education innovations.*
- *Advancing engineering learning in broader eco-systems such as innovation, globalization, or sustainability. .*
- *Developing engineering-specific learning theories.*

Competitive proposals advance understanding in engineering education by grounding the proposed work in theory as well as relevant prior work in engineering education specifically and education generally. Proposals should clearly address why the proposed research fills gaps in existing knowledge and address how evaluation will inform the research effort and allow assessment of the project's impact and effectiveness. **PD 10-1340**

URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503584

Human-Centered Intelligence, Surveillance & Reconnaissance (ISR)

Air Force Research Lab (AFRL) – Department of Defense (DoD)

Due Date: White papers accepted through 2/12/2018

This effort is an open-ended BAA soliciting innovative research concepts for the overall mission of the Human-Centered Intelligence, Surveillance, & Reconnaissance (ISR) Division (711 HPW/RHX). It is intended to generate research concepts not already defined and planned by RHX as part of its core S&T portfolio. The core RHX mission is to develop human-centered S&T that (1) enables the Air Force to better identify, locate and track humans within the ISR environment and (2) enhance the performance of ISR analysts. To accomplish this mission, the RHX core S&T portfolio is structured into three major research areas:

- (1) Human Signatures - develop technologies to sense and exploit human bio-signatures at the molecular and macro (anthropometric) level,
- (2) Human Trust and Interaction – develop technologies to improve human-to-human interactions as well as human-to-machine interactions, and
- (3) Human Analyst Augmentation – develop technologies to enhance ISR analyst performance and to test the efficacy of newly developed ISR technologies within a simulated operational environment.

The RHX mission also includes research carried over from the Airman Biosciences and Performance Program. While not directly linked to the core S&T strategic plan, there exists a unique capability resident within RHX to address critical Air Force operational and sustainment needs resulting from chemical and biological hazards. Research areas include contamination detection, hazard assessment

and management, individual and collective protection, and restoration and reconstitution of operational capability.

URL: <http://www.grants.gov/web/grants/view-opportunity.html?oppld=251243>

AFRL Research Collaboration Program

Department of Defense (DoD)

Due Date: 12/20/2017

The objective of the AFRL Research Collaboration program is to enable collaborative research partnerships between AFRL and Academia and Industry in areas including but not limited to Materials and Manufacturing and Aerospace Sensors that engage a diverse pool of domestic businesses that employ scientists and engineers in technical areas required to develop critical war-fighting technologies for the nation's air, space and cyberspace forces through specific AFRL Core Technical Competencies (CTCs). **BAA-RQKM-2013-0005**

URL: <http://www.grants.gov/web/grants/search-grants.html?keywords=BAA-RQKM-2013-0005>

HEALTH, LIFE & EARTH SCIENCES

Division of Environmental Biology (core programs) (DEB)

National Science Foundation (NSF)

Due Date: Preliminary Proposals 1/23/2016; Full Proposals 8/2/2016

The Division of Environmental Biology (DEB) supports fundamental research on populations, species, communities, and ecosystems. Scientific emphases range across many evolutionary and ecological patterns and processes at all spatial and temporal scales. Areas of research include biodiversity, phylogenetic systematics, molecular evolution, life history evolution, natural selection, ecology, biogeography, ecosystem structure, function and services, conservation biology, global change, and biogeochemical cycles. Research on organismal origins, functions, relationships, interactions, and evolutionary history may incorporate field, laboratory, or collection-based approaches; observational or manipulative experiments; synthesis activities; as well as theoretical approaches involving analytical, statistical, or computational modeling. **NSF 15-500**

URL: <http://www.nsf.gov/pubs/2015/nsf15500/nsf15500.htm>

Long Term Research in Environmental Biology (LTREB)

National Science Foundation (NSF)

Due Date: Preliminary Proposals 1/23/2016; Full Proposals 8/2/2016

The Long Term Research in Environmental Biology (LTREB) Program supports the generation of extended time series of data to address important questions in evolutionary biology, ecology, and ecosystem science. Research areas include, but are not limited to, the effects of natural selection or other evolutionary processes on populations, communities, or ecosystems; the effects of interspecific interactions that vary over time and space; population or community dynamics for organisms that have extended life spans and long turnover times; feedbacks between ecological and evolutionary processes; pools of materials such as nutrients in soils that turn over at intermediate to longer time

scales; and external forcing functions such as climatic cycles that operate over long return intervals. The Program intends to support decadal projects. Funding for an initial, 5-year period requires submission of a preliminary proposal and, if invited, submission of a full proposal that includes a 15-page project description. Proposals for the second five years of support (renewal proposals) are limited to an eight-page project description and do not require a preliminary proposal. Continuation of an LTREB project beyond an initial ten year award will require submission of a new preliminary proposal that presents a new decadal research plan. **NSF 15-503**

URL: <http://www.nsf.gov/pubs/2015/nsf15503/nsf15503.htm>

Grants & Scholarships

Midwest Nursing Research Society (MNRS)

Due Date: 11/2/2015

Seed Grant: The Midwest Nursing Research Society is pleased to offer **one** Seed Grant of **up to \$10,000**. The purpose of this grant is to support researchers in the Midwest that advances nursing science and practice. Funds are available for quantitative and qualitative research on any topic relevant to nursing science. This funding is available to all MNRS nursing researchers, regardless of prior funding history or time from dissertation.

MNRS New Investigator Seed Grant: The Midwest Nursing Research Society is pleased to offer **one** New Investigator Grant of **up to \$10,000**. The purpose of this grant is support researchers in the Midwest that advances nursing science and practice. Funds are available for quantitative or qualitative research on any topic relevant to nursing science. Applicants are **not eligible** for the New Investigator Grant if they are more than 7 years' post-dissertation or have received NIH funding from either the R or K series or equivalent federal level sources or have received extramural funding exceeding \$100,000.

MNRS/ Sally Lusk Grant: Sally Lusk, PhD, RN, FAAN, FAAOHN has had a distinguished career as a nurse researcher and educator. Her particular area of expertise is in noise-induced hearing loss in occupational settings and the development and testing of hearing protection intervention programs. Dr. Lusk's findings have influenced both policy and practice. In recognition of her outstanding research contributions, Dr. Lusk has been awarded the Distinguished Research Award from MNRS, the Mary Louise Brown Research Recognition Award from the American Association of Occupational Health, and the Distinguished Alumni Award from the Indiana University School of Nursing for excellence in research. A dedicated and sustained leader, Dr. Lusk served as President of the Midwest Nursing Research Society from 2005-2007 and then helped to establish the MNRS Foundation in 2008. She lead the Foundation, with incredible passion and devotion, from 2008-2013 as its first President. For these and many other accomplishments, in 2012 Dr. Lusk received the MNRS Lifetime Achievement Award. This year, the Midwest Nursing Research Society is pleased to offer a new **\$2,500** Grant in her honor entitled the MNRS/Sally Lusk Grant. The purpose of this grant is to support the research development of budding scholars in the Midwest Region.

URL: <https://www.mnrs.org/research-amp-awards/grant-opportunities/grant-opportunities>

AHRQ Health Services Research Demonstration and Dissemination Grants (R18)

Agency for Healthcare Research and Quality (AHRQ)

Due Date: 9/25/2015, 1/25/2016, 5/25/2016 (standard due dates apply)

The Research Demonstration and Dissemination Grant (R18) is an award made by AHRQ to an institution/organization to support a discrete, specified health services research project. The project will be performed by the named investigator and study team. The R18 research plan proposed by the applicant institution/organization must be related to the mission and priority research interests of AHRQ. The AHRQ mission is to produce evidence to make health care safer, higher quality, more accessible, equitable and affordable, and to work with HHS and other partners to make sure that the evidence is understood and used. **PA-14-290**

Within the mission, AHRQ's specific priority areas of focus are:

- Improve health care quality by accelerating implementation of Patient Centered Outcomes Research (PCOR)
- Make health care safer
- Increase accessibility by evaluating expansions of insurance coverage
- Improve health care affordability, efficiency and cost transparency

URL: <http://grants.nih.gov/grants/guide/pa-files/PA-14-290.html>

Partnerships for Translational Research Training Award

Kansas IDEa Network of Biomedical Research Excellence (K-INBRE)

Due Date: 12/1/2015

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. The awards are meant to support technical assistant salaries together with other research project requirements with the goal of exchanging information, data and technical expertise in a close partnership arrangement. The K-INBRE expects to fund two proposals/year.

URL: <http://www.k-inbre.org/FacultyAwards.html>

Minority Initiatives Awards

American Physical Therapy Association

Due Date: 12/1/2015

The [American Physical Therapy Association](http://www.apta.org) is accepting nominations of physical therapy education programs for its annual Minority Initiatives Awards. The awards recognize planned, comprehensive initiatives that can assist in the recruitment, admission, retention, and graduation of minority students, and/or initiatives designed to sustain or increase the number of minority faculty recruited, employed, and retained over a period of at least three years. Recipients will receive an engraved plaque and a monetary award of \$2,500. Eligible programs include those that are accredited by the [Commission on Accreditation in Physical Therapy Education](http://www.caaep.org) and have been ongoing for at least three years.

URL: <http://www.apta.org/HonorsAwards/Awards/MinorityInitiatives/>

Health Policy and Administration Projects

American Physical Therapy Association

Due Date: 12/31/2015

The American Physical Therapy Association is seeking applications for projects that stimulate, encourage, and support research activities that enhance the body of knowledge related to health policy, clinical administration, global health, and the use of technology in physical therapy. The program is administered by the association's Health Policy & Administration Section. Catalyst grants of up to \$15,000 will be awarded to new or established physical therapist investigators who are embarking on a new research agenda in the areas of physical therapist practice, leadership, administration, or education. Grants may be renewable (no-cost extension) for up to one year. To be eligible, applicants must be an APTA Health Policy & Administration section member. Collaborative research with non-section members is permissible as long as the principal investigator is a member of the section on HPA.

URL: <http://www.aptahpa.org/?page=34>

Interdisciplinary Training in Bioinformatics and Diabetes, Obesity and Metabolic Disease (T32)

National Institutes of Health (NIH) – National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

Due Date: 11/17/2015 (Letters of Intent due 30 days before the application due date)

The purpose of this Funding Opportunity Announcement (FOA) is to promote the development of an interdisciplinary workforce for conducting bioinformatics research in diabetes, obesity and related metabolic diseases that are relevant to the research mission of NIDDK. This FOA will support institutional training programs for predoctoral and postdoctoral level researchers with backgrounds in bioinformatics, mathematics and/or computational sciences with mentors from both computational and biological backgrounds. **PAR-15-182**

URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-15-182.html>

Cognitive Neuroscience

National Science Foundation (NSF)

Due Date: 2/11/2016

The Cognitive Neuroscience program seeks highly innovative proposals aimed at advancing a rigorous understanding of human cognition, including how the human brain mediates action, affect, creativity, decision making, intentionality, perception, social processes, and thought. Topics may bear on core functions such as attention, emotion, empathy, executive processes, language, learning, memory, music, sensory processing, sleep, representation of self and other, reasoning and rhythm. Topics may also include how human cognition develops and changes in the brain across the lifespan. The program is particularly interested in supporting the development of new techniques and technologies for recording, analyzing, and modeling complex brain activity and human brain mapping. Such projects should include a plan for sharing new software and other technologies with the research community at large. Additionally, the program is interested in supporting projects addressing the growing amount of data collected across disparate lab environments, which may require new standardization, curation, and sharing solutions. **PD 15-1699**

URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5316

Diet and Physical Activity Assessment Methodology (R21)

National Institutes of Health (NIH)

**Due Date: (Letters of Intent due 30 days prior to the application due date) 10/16/2015,
6/16/2016**

This Funding Opportunity Announcement (FOA) encourages innovative research to enhance the quality of measurements of dietary intake and physical activity. Applications submitted to this FOA may include development of: novel assessment approaches; better methods to evaluate instruments; assessment tools for culturally diverse populations or various age groups, including children and older adults; improved technology or applications of existing technology; statistical methods/modeling to improve assessment and/or to correct for measurement errors or biases; methods to investigate the multidimensionality of diet and physical activity behavior through pattern analysis; or integrated measurement of diet and physical activity along with the environmental context of such behaviors.

PAR-15-171

URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-15-171.html>

ALS Research Projects

ALS Therapy Alliance

Due Date: 10/15/2015

The [ALS Therapy Alliance](#) was established in 2000 to facilitate ALS research projects and collaborations among a diverse group of scientists and clinicians at multiple institutions working to cure amyotrophic lateral sclerosis. The alliance represents a unique collaborative enterprise that spans multiple laboratories, universities, and disciplines. Today, the ATA partners with corporations, biotech and pharmaceutical firms, manufacturers, and the media to create awareness and raise funds for ALS research through its annual [Breakthrough ALS](#) campaign. To date, more than \$30 million has been raised to fund research for finding a cure for this devastating disease. The ALS Therapy Alliance is accepting applications from investigators for ALS research projects. Grants ranging from \$100,000 to \$1 million over one to three years will be awarded to projects -- including but not limited to basic, clinical, and translational research and clinical trials -- aimed at developing a better understanding of, or treatments for, ALS. National and international nonprofit organizations and for-profit companies are eligible to apply.

URL: <http://alstherapyalliance.org/index.php/research/grant-submission-process.html>

Petrology and Geochemistry (CH) (Deep Earth Process Section)

National Science Foundation (NSF)

Due Date: 1/11/2016

The Petrology and Geochemistry Program supports basic research on the formation of planet Earth, including its accretion, early differentiation, and subsequent petrologic and geochemical modification via igneous and metamorphic processes. Proposals in this program generally address the petrology and high-temperature geochemistry of igneous and metamorphic rocks (including mantle samples), mineral physics, economic geology, and volcanology. Proposals that are focused on the development of analytical tools, theoretical and computational models, and experimental techniques for applications

by the igneous and metamorphic petrology, and high temperature geochemistry and geochronology communities are also invited. **NSF 15-557**

URL: http://www.nsf.gov/pubs/2015/nsf15557/nsf15557.htm?WT.mc_id=USNSF_25&WT.mc_ev=click

NIA Academic Leadership Career Award (K07)

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

Due Date: 10/12/2015, 2/12/2015 (standard due dates apply)

The objective of the NIA Research Leadership Career Award (K07) is to provide support for more senior investigators who have the expertise and leadership skills to enhance the aging and geriatric research capacity within their academic institution. **PAR-15-078**

URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-15-078.html>

Research Grants for Independent Investigators: Institutional Research Grants

American Cancer Society

Due Dates: 04/01/2016

An Institutional Research Grant (IRG) is a block award to an institution that enables it to give small grants to beginning investigators who have no national peer-reviewed research grant support. The intent is to support these junior faculty in initiating cancer research projects so they can obtain preliminary results that will enable them to compete successfully for national research grants.

The purpose of the Institutional Research Grants program is:

- to support the development of new investigators to conduct independent cancer research;
- to foster direct relationships between funded institutions and the local ACS; and
- to support research by newly independent investigators in areas of special interest to the ACS.

URL: <http://www.cancer.org/research/applyforaresearchgrant/granttypes/institutional-research-grants>

Research Grants for Independent Investigators: Research Scholar Grants

American Cancer Society

Due Date: 4/1/2016, 10/15/2016

Research Scholar Grants support investigator-initiated projects across the cancer research continuum. Awards are for up to four years and for up to \$165,000 per year (direct costs), plus 20% allowable indirect costs. Independent investigators in the first six years of an independent research career or faculty appointment are eligible to apply.

Exceptions: 1) RSG applicants to the Cancer Control and Prevention Research Program ONLY may be at any career stage provided that the focus of their project is either: a) health policy/health services research or b) achieving cancer health equity; 2) RSG applicants to the Cancer Control and Prevention Research Program (limited to psychosocial and behavioral studies or health policy and health services

research) that are population based and focused on achieving health equity may be up to 5 years with a maximum budget of \$400,000 per year (direct costs), plus 20% allowable indirect costs.

URL: <http://www.cancer.org/research/applyforaresearchgrant/granttypes/research-scholar-grants>

Academic-Industrial Partnerships for Translation of Technologies for Cancer Diagnosis and Treatment (R01)

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

Due Date: 10/5/2015, 2/5/2016

This Funding Opportunity Announcement (FOA) encourages applications from research partnerships formed by academic and industrial investigators, to accelerate the translation of technologies, methods, assays or devices, and/or systems for preclinical or clinical molecular diagnosis or in vitro imaging that are designed to solve a targeted cancer problem. The proposed systems may include molecular diagnosis, molecular imaging or related research resources. Funding may be requested to enhance, adapt, optimize, validate, and otherwise translate the following examples, among others: (a) current commercially supported systems, (b) next-generation systems, (c) quality assurance and quality control, (d) validation and correlation studies, (e) quantitative imaging, and (f) related research resources. Because applications should be translational in scope, this FOA defines innovation as a coherent translational plan to deliver emerging or new capabilities for preclinical or clinical use that are not yet broadly employed in preclinical or clinical settings. In addition, innovation may be considered as delivery of a new capability to end users. The partnership on each application should establish an inter-disciplinary, multi-institutional research team to work in strategic alliance to implement a coherent strategy to develop and translate their system to solve their chosen cancer problem. This FOA will support clinical trials that test functionality, optimize, and validate the performance of the proposed translational work. This FOA does not intend to support either actual commercial production or basic research projects that do not emphasize translation. **PAR-15-075**

URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-15-075.html>

Alcohol Education Project Grants (R25)

National Institutes of Health (NIH) – National Institute on Alcohol Abuse and Alcoholism (NIAAA)

Due Date: 9/25/2015, 1/25/2016, 5/25/2016 (standard due dates apply)

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The over-arching goal of the National Institute on Alcohol Abuse and Alcoholism (NIAAA) R25 program is to foster a better understanding of biomedical, behavioral and clinical research and its implications. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on Curriculum or Methods Development and Outreach activities for Health Professionals. **PAR-15-054**

URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-15-054.html>

Secondary Analyses in Obesity, Diabetes and Digestive and Kidney Diseases (R21)

National Institutes of Health (NIH) – National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)

Due Date: 10/16/2015, 2/16/2016 (standard due dates apply)

This Funding Opportunity Announcement (FOA) encourages R21 applications that propose to conduct secondary analyses of existing data sets relevant to diabetes and selected endocrine and metabolic diseases including thyroid, parathyroid and Cushing's diseases and acromegaly; and genetic metabolic disease including cystic fibrosis, lysosomal storage diseases, and disorders of the urea cycle, amino acid metabolism and metal transport where the focus is on peripheral metabolism or organ function; obesity, liver diseases, alimentary GI tract diseases and nutrition; kidney, urologic, and hematologic diseases. The goal of this program is to facilitate research that explores innovative hypotheses through the use of existing data sets. **PA-15-169**

URL: <http://grants.nih.gov/grants/guide/pa-files/PA-15-169.html>

NCI Mentored Research Scientist Development Award to promote Diversity (K01)

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

Due Date: 10/12/2015, 2/12/2016 (standard due dates apply)

The purpose of the NCI Mentored Research Scientist Development Award (K01) is to enhance the diversity of the NCI-funded cancer research workforce by supporting eligible individuals from groups that have been shown to be underrepresented in the biomedical, behavioral, social and clinical sciences. This FOA provides salary and research support for a sustained period of "protected time" for intensive research career development under the guidance of an experienced mentor, or sponsor. The Diversity Training Branch (DTB) of the Center to Reduce Cancer Health Disparities (CRCHD), at the National Cancer Institute (NCI), invites career development award applications (K01) from individuals from backgrounds that have been shown to be underrepresented in health-related science. **PAR-15-064**

URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-15-064.html>

INTERNATIONAL

Foreign Visiting Researchers at Max Planck Institutes

Max Planck Institutes

Due Date: proposals accepted on an ongoing basis

The Max Planck Institutes carry out basic research in the life sciences, natural sciences and the social and human sciences. It is thus almost impossible to allocate an individual institute to one single research field: conversely, it can be the case that different Max Planck Institutes carry out research in the same subject.

URL: <http://research-in-germany.de/en/research-funding/funding-programmes/max-planck-foreign-visiting-researchers-at-max-planck-institutes.html>

LIBRARIES

Innovative Information Science Research Projects

OCLC Research

Due Date: 9/15/2015

[OCLC Research](#), in partnership with the [Association for Library and Information Science Education](#), is accepting applications from research projects that contribute to a better understanding of how the integration of new technologies affects the information environment and user behavior. Through its OCLC/ALISE Library & Information Science Research program, OCLC will award grants of up to \$15,000 for research related, but not limited, to the impact of digital technology on libraries and museums, social media and information-seeking behavior, and new developments in knowledge organization (metadata, social tagging, linked data, etc.) To be eligible, applicants must be a full-time academic faculty member in a school of library and information science or a related field. Priority will be given to proposals from junior faculty.

URL: <http://www.oclc.org/research/grants/call.html>

MULTIPLE DISCIPLINES

Infrastructure Management and Extreme Events (IMEE)

National Science Foundation (NSF)

Due Date: 9/15/2015, 2/16/2016

The IMEE program supports fundamental, multidisciplinary research on the impact of hazards and extreme events upon civil infrastructure and society. The program is focused upon research on the mitigation of, preparedness for, response to, and recovery from multi-hazard disasters. Community and societal resilience and sustainability are important topics within the research portfolio of IMEE. The program is deeply multidisciplinary and attempts to integrate multiple issues from civil, mechanical, transportation, and system engineering, sociology, psychology, economics, geography, political science, urban planning, epidemiology, natural and physical science, and computer science. With regard to the four core emphasis areas of mitigation, preparedness, response and recovery, a variety of topics are supported. The following list provides examples of the kinds of topics and issues that may be supported, though the list is not exhaustive and other, innovative topics may be proposed. Mitigation research may focus upon issues such as the analysis of structural and non-structural mitigation effectiveness, local capacity building for risk reduction, and social and physical vulnerability analyses. Preparedness research may involve studies on warning and risk communication, evacuation, multi-hazard emergency planning, and the effectiveness of pre-disaster planning. Response research may examine such issues as infrastructure interdependencies and cascading disasters, innovation and improvisation in emergency management, and the use of new communication technology and social media in emergency management. Recovery research may examine linking disaster recovery to the mitigation of future disasters, resilience metrics and models, resilience of interdependent infrastructure processes and systems, and social factors related to economic recovery and resilience.

PD 15-1638

URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13353

NEW FACULTY/INVESTIGATOR

Emerging Research Grants

Hearing Health Foundation (HHF)

Due Date: Letters of Intent 11/2/2015

Hearing Health Foundation supports research in the following areas:

- **Central Auditory Processing Disorder:** Four grants will be awarded for innovative research that will increase our understanding of the causes, diagnosis, and treatment of central auditory processing disorder (CAPD), an umbrella term for a variety of disorders that affect the way the brain processes auditory information.
- **Hyperacusis:** Two grants will be awarded that is focused on innovative research (e.g., animal models, brain imaging, biomarkers, electrophysiology) that will increase our understanding of the mechanisms, causes, diagnosis, and treatments of hyperacusis and severe forms of loudness intolerance. Research that explores distinctions between hyperacusis and tinnitus is of special interest.
- **Ménière's Disease:** Two grants will be awarded for innovative research that will increase our understanding of the inner ear and balance disorder Ménière's disease.
- **Tinnitus:** One grant will be awarded for innovative research that will increase our understanding of the mechanisms, causes, diagnosis, and treatment of tinnitus. Projects investigating the prevention, treatment, and/or alleviating tinnitus are encouraged to apply.

Hearing Health Foundation (HHF) awards grants once a year for the project period of July 1 - June 30. A grant represents a mutual joining of interests on the part of HHF, the grantee, and his/her associated institution in the pursuit of a common objective furthering hearing and balance science. HHF Emerging Research Grants are intended primarily for promising researchers who are in the early stages of their careers. The primary purpose of this award is to enable the investigator to become established or produce quality research that will allow him/her to successfully compete for NIH Grants or grants from other sources. Applications will be considered for research directed to investigation of specified research topic areas of the auditory and vestibular systems to be listed in the Request for Application; both fundamental and clinical research proposals are welcome. HHF grants up to **\$30,000 per year** for each research project and provides a maximum of one year of support. Second year applications are no longer eligible. **Priority is given to new investigators in the field of hearing and balance and to projects that are likely to open new lines of inquiry.** New and innovative projects developed by established scientists will also be considered.

URL: <http://hearinghealthfoundation.org/emerging-research-grants>

SOCIAL & BEHAVIORAL SCIENCES

Victoria S. Levin Grant

Society for Research in Child Development

Due Date: 09/01/2015

The grant's aim is to foster early career success in achieving funding for research that is informed by developmental science to address concerns affecting the early foundations of children's mental health. The Grant will add measurably to Vicki's dream of a society in which all children are protected from disabling mental health problems by getting the healthiest start in life. Vicki believed strongly in the NIH's critical role in creating a scientific basis for achieving this goal and in the need to attract the best and brightest new scientists. Therefore, the VSL Grant is designed to increase the likelihood that promising early career scientists succeed in securing NIH funding. The Grant serves the promising pre-tenured, junior investigator by:

Vicotri- Supporting release time from duties during which time the awardee writes and submits an application in the area of early childhood mental health to the NIH. This support compensates the awardee's unit/department for the work from which the awardee is released. Having adequate time to develop and submit a grant application is essential for early career success.

- Providing travel funds for a trip to NIH to meet program staff. This support helps the awardee develop meaningful contacts with NIH program staff who can guide the application preparation and revision (funding usually requires two application submissions).

- Providing a pre-review of the application. The opportunity to hire a distinguished scientist to review the application in advance of submission to NIH heightens the chances of early success. In addition to providing a critique, the reviewer can also advise the new scientist, which NIH review panels cannot do.

URL: <http://www.srcd.org/advancing-field/srcd-awards-research-grants/victoria-s-levin-grant>

Grants

Ford Foundation

Due Date: Continuous

The Ford Foundation is committed to achieving lasting change that transforms people's lives. Through its grant making, the Foundation supports innovative thinkers, leaders and organizations that are working to reduce poverty and injustice and to promote democratic values, free expression and human achievement. When making grants, the Foundation thinks about long-term strategies, knowing that lasting social change requires decades of effort. And because the Foundation's mission is broad and its resources are limited, the Foundation carefully targets support so it can be used most effectively and leverage the greatest amount of impact.

The activities the Foundation supports through grants and program-related investments must be charitable, educational or scientific as defined under the appropriate provisions of the U.S. Internal Revenue Code and Treasury Regulations.

URL: <http://www.fordfoundation.org/grants/organizations-seeking-grants>

Hunt Post-Ph.D. Research Grants

Wenner Gren Foundation

Due Date: 11/1/2015

Post-Ph.D. Research Grants are awarded to individuals holding a Ph.D. or equivalent degree to support individual research projects. The program contributes to the Foundation's overall mission to support basic research in anthropology and to ensure that the discipline continues to be a source of vibrant and significant work that furthers our understanding of humanity's cultural and biological origins, development, and variation. The Foundation supports research that demonstrates a clear link to anthropological theory and debates, and promises to make a solid contribution to advancing these ideas. There is no preference for any methodology, research location, or subfield. The Foundation particularly welcomes proposals that employ a comparative perspective, can generate innovative approaches or ideas, and/or integrate two or more subfields.

URL: <http://www.wennergren.org/programs/post-phd-research-grants>

Biological Anthropology

National Science Foundation (NSF)

Due Date: 3/16/2016

The Biological Anthropology Program supports basic research in areas related to human evolution and contemporary human biological variation. Research areas supported by the program include, but are not limited to, human genetic variation, human and nonhuman primate ecology and adaptability, human osteology and bone biology, human and nonhuman primate paleontology, functional anatomy, and primate socioecology. Grants supported in these areas are united by an underlying evolutionary framework, and often by a consideration of adaptation as a central theoretical theme. Many proposals also have a biocultural orientation. The program frequently serves as a bridge within NSF between the social and behavioral sciences and the natural and physical sciences, and proposals commonly are jointly reviewed and funded with other programs. **PD 98-1392**

URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5407&WT.mc_id=USNSF_39&WT.mc_ev=click

Lizette Peterson-Homer Injury Prevention Award

American Psychological Foundation

Due Date: 10/1/2015

The [American Psychological Foundation](#) is accepting applications for the Lizette Peterson Homer Memorial Injury Research Grant. The annual award program supports research into psychological and behavioral aspects of the prevention of injuries in children and adolescents as reflected in the activities and interests within pediatric psychology of the late Lizette Peterson-Homer and her commitment to improving the status of children. Specifically, the grant supports research related to the prevention of injuries in children and adolescents caused by accidents, violence, abuse, or attempted suicide. One grant of up to \$5,000 will be awarded in 2015. To be eligible, applicants must be a student and/or

faculty member at an accredited university and demonstrate research competence and a commitment to the field.

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

Fund for the Advancement of the Discipline (FAD)

American Sociological Association (ASA)

Due Date: 12/15/2015

The American Sociological Association invites submissions for the Fund for the Advancement of the Discipline (FAD) awards. Supported by the American Sociological Association through a matching grant from the National Science Foundation, the goal of this project is to nurture the development of scientific knowledge by funding small, groundbreaking research initiatives and other important scientific research activities such as conferences. FAD awards provide scholars with "seed money" for innovative research that has the potential for challenging the discipline, stimulating new lines of research, and creating new networks of scientific collaboration. The award is intended to provide opportunities for substantive and methodological breakthroughs, broaden the dissemination of scientific knowledge, and provide leverage for acquisition of additional research funds.

URL: <http://www.asanet.org/funding/fad.cfm>

STUDENTS

Dissertation Grants

Charles Koch Foundation

Due Date: Abstracts accepted anytime

The **Charles Koch Foundation** supports colleges and universities in exploring the institutions and ideas that foster societal well-being. The Foundation is accepting research grant proposals from current doctoral students interested in writing dissertations that investigate the role of free societies in advancing well-being. Proposals will be considered for dissertations across a variety of disciplines that examine foundational, system-level, and applied research questions. Accepted dissertation proposals may be awarded up to \$5,000 in grant funding with the possibility of renewal as well as additional resources to expand doctoral candidates' educational opportunities and career development.

URL: <http://www.charleskochfoundation.org/dissertation-grants/>

Promise of Nursing Regional Faculty Fellowship

Foundation of the National Student Nurses' Association (FNSNA)

Due Date: March 2016

URL: <http://www.forevernursing.org/faculty-fellowship.html>

Career Development Grants

American Association of University Women (AAUW)

Due Date: 12/15/2015

Career Development Grants provide funding to women who hold a bachelor's degree and are preparing to advance or change careers or re-enter the workforce. Primary consideration is given to women of color and women pursuing their first advanced degree or credentials in nontraditional fields. Applicants must be U.S. citizens or permanent residents whose last degree was received before June 30, 2010. Funds are available for tuition, fees, books, supplies, local transportation, and dependent care. Grants provide support for course work beyond a bachelor's degree, including a master's degree, second bachelor's degree, certification program, or specialized training in technical or professional fields. Course work must be taken at an accredited two- or four-year college or university in the United States or at a technical school that is fully licensed or accredited by the U.S. Department of Education. Funds are not available for doctorate-level work.

URL: <http://www.aauw.org/what-we-do/educational-funding-and-awards/career-development-grants/>

NSF Earth Sciences Postdoctoral Fellowships (EAR-PF)

National Science Foundation (NSF)

Due Date: 1/12/2016

The Division of Earth Sciences (EAR) awards Postdoctoral Fellowships to recent recipients of doctoral degrees to carry out an integrated program of independent research and education. The research and education plans of each fellowship must address scientific questions within the scope of EAR disciplines. The program supports researchers for a period of up to two years with fellowships that can be taken to the institution of their choice (including facilities abroad). The program is intended to recognize beginning investigators of significant potential, and provide them with research experience, mentorship, and training that will establish them in leadership positions in the Earth Sciences community. Because the fellowships are offered only to postdoctoral scientists early in their career, doctoral advisors are encouraged to discuss the availability of EAR postdoctoral fellowships with their graduate students early in their doctoral programs. Fellowships are awards to individuals, not institutions, and are administered by the Fellows. **NSF 15-568**

URL: http://www.nsf.gov/pubs/2015/nsf15568/nsf15568.htm?WT.mc_id=USNSF_25&WT.mc_ev=click

Studio Arts Internship

The Smithsonian Associates (TSA)

Due Dates: Varies by time of year (see below)

The Smithsonian Associates (TSA) are looking for Studio Arts Interns for Summer, Fall, and Spring.

The primary responsibility will be research and development of an increased web presence for the Studio Arts department. This portion of the internship is somewhat self-directed with oversight by the Studio Arts Coordinator. Tasks include:

- Maintaining/enhancing the Studio Arts social media profiles on Facebook & Twitter
- Maintaining/enhancing the Studio Arts department fledgling art-related blog

- Providing content for a Studio Arts landing page on the TSA website.

The intern will also assist the TSA Studio Arts department by providing program support including: logistical set-up, research, budgeting, marketing, and correspondence with staff, vendors, and the general public including direct, hands-on, support for fall and/or winter studio art programs. **To be considered in the first round of applications, please submit your materials by the dates below:**

Winter/Spring Positions: 10/1/2015

Summer Positions: 2/1/2016

URL: <http://www.smithsonianofa.com/blog/2014/03/06/the-smithsonian-associates-studio-arts-internship/>