



Funding Bulletin

January 30th, 2015 (Vol. 2, No. 9)

Funding Information

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

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

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

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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/>

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Upcoming Events

Spring 2015 RTT Workshop Series

Writing Proposals: <i>Clear, Concise, Consistent (and Successful!) Proposals</i>	Fran Cook , Contract/Grant Development Specialist Matt Johnson , President, Kansas Professional Grant Association Fred McLean , Grant Writer, Carrico, Pence & McLean	February 12, 2015	2:00 – 3:30pm	266 Pike	Grant writing tips; Grant writing resources
NIH Meet the Experts: Webinar on SBIR/STTR	Fran Cook , Contract/Grant Development Specialist Becky Hundley , Intellectual Property & Contracts for WSU Ventures	March 3, 2015	1:30 – 3:30pm	142 Harvest Room	NIH webinar – NIH funding mechanisms, specifically Small Business Technology Transfer and Small Business Innovative Research – How Can I apply for one?
NIH Meet the Experts: Webinar on R01, R15	Fran Cook , Contract/Grant Development Specialist	March 17, 2015	1:30 – 3:30pm	142 Harvest Room	NIH webinar – NIH funding mechanisms, specifically R01 and R15
Technology Transfer & Intellectual Property: <i>WSU Ventures</i>	Becky Hundley , Intellectual Property & Contracts for WSU Ventures	April 9, 2015	1:30 – 3:00pm	266 Pike	Everyone has intellectual property – what do I own, what does the University own, how can I protect it?

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.

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LIMITED SUBMISSIONS

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

(1) Environmental Health Sciences Core Centers (EHS CC) (P30)

National Institutes of Health (NIH) – National Institute of Environmental Health Sciences (NIEHS)

Due Date: Internal 2/6/2015; Letter of Intent 3/22/2015; Application 4/22/2015

This Funding Opportunity Announcement (FOA) invites grant applications from qualified institutions to support Environmental Health Sciences Core Centers (EHS CC). A Core Center Grant is an institutional award to support centralized scientific resources and facilities shared by investigators with existing research projects. By providing intellectual leadership, advanced technologies/methodologies, and supporting community engagement, a core center is intended to enhance the ability of scientists working in the field of environmental health sciences to identify and capitalize on emerging issues that will translate into advances improving the understanding of the relationships among environmental exposures, human biology, and disease. **Only one application per institution is allowed. RFA-ES-13-012**

- URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-ES-15-007.html>

INTERNAL OPPORTUNITIES

Award for Research/Creative (ARC)

Wichita State University

Due Date: 2/6/2015

Applications for Award for Research/Creative Projects (ARC) are due to the Office of Research and Technology Transfer by Feb. 6 at 5:00 p.m. Award for Research/Creative projects provide salary/fringes of \$3,000* for 2 months, plus \$1,000 for other operating expenses (total of \$4,000) to enable faculty to pursue research or creative projects during the summer (grant period May 1 - Aug 31, 2015). Awardees are expected to resume their teaching in the fall for the next academic year. A

faculty member may receive only one of the following in a fiscal year: an ARCS, a University Research/Creative Projects Award (URCA), or a Multidisciplinary Research Project Award (MURPA). Those who accept any summer appointment from their college (for the summer grant period) are ineligible. Application and instructions are available on the research website and may be submitted electronically to proposals@wichita.edu or Campus Box 7.

For more information, visit

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

Flossie E. West Foundation Award

Wichita State University

Due Date: 3/6/2015

Applications for the Flossie E. West Foundation Award are due to the Office of Research and Technology Transfer by March 6th at 5:00p.m. The award provides support for research relating to the study and cure of cancer. Awards are intended as seed money to develop pilot data for proposals to be submitted to governmental agencies, foundations, or industries (grant period May 1, 2015 – April 30, 2016). Funds are restricted to WSU faculty project expenses; all WSU faculty members with research interests in the study of cancer are eligible. Application and instructions are available on the research website and may be submitted electronically to proposals@wichita.edu or Campus Box 7.

For more information, visit

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

GENERAL

Service Enterprise Systems (SES)

National Science Foundation (NSF)

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

The SES program supports research on decision making related to design, planning, and operation of commercial, nonprofit, and institutional service enterprises with the goal of improving their overall effectiveness and cost reduction. 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 healthcare operations and

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medical decision making; policies and incentives in healthcare, energy, and other public service institutions; financial engineering and risk management; transportation and humanitarian logistics; and national security. Of particular interest are methods that incorporate increasingly rich and diverse sources of data and information to support decision making. **PD 10-1787**

- **URL:**http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13343&WT.mc_id=USNSF_39&WT.mc_ev=click

Young Investigator Program (YIP)

U.S. Department of Defense (DoD) – Office of Naval Research (ONR)

Due Date: 3/4/2015

The Office of Naval Research (ONR) is interested in receiving proposals for its Young Investigator Program (YIP). ONR's Young Investigator Program (YIP) seeks to identify and support academic scientists and engineers who are in their first or second full-time tenure-track or tenure-track-equivalent academic appointment, have begun their first appointment on or after 01 Nov 2009, and who show exceptional promise for doing creative research. The objectives of this program are to attract outstanding faculty members of Institutions of Higher Education to the Department of the Navy's research program, to support their research, and to encourage their teaching and research careers. **15-FOA-0006**

- **URL:**<http://www.onr.navy.mil/Contracts-Grants/Funding-Opportunities/Broad-Agency-Announcements.aspx>

Scholar Award in Studying Complex Systems 2015 Grant Competition

James S. McDonnell Foundation

Due Date: 3/11/2015

The JSMF Scholar Awards program derives from and is consistent with JSMF's commitment to supporting high quality research and scholarship leading to the generation of new knowledge and its responsible application. For *Scholar Awards* the program's emphasis is furthering the science of complex systems via the continued development of the theory and tools used in the study of complex research questions and not on particular fields of research per se. JSMF is particularly interested in projects attempting to apply complex systems approaches to coherently articulated questions. Scholar Awards in Complex System Science (Scholar Awards-CS) provide largely unrestricted funding over a sufficient time period (\$450,000 paid in three (3) \$150,000 payments; funds expendable in no less than 3 and no more than 6 years) to allow investigators to pursue and develop new directions to their research programs. Scholars who do not fully expend the funds in 6 years will have the

opportunity to request a 1 time no-cost extension of up to 2 years, but unless there are mitigating circumstances to justify prolonging the grant period the grant will be terminated and unexpended funds returned. It is JSMF's intent that Scholars expend the funds to pursue a research program within the 6 year time period. Scholar Awards-CS are one-time support. Once you have received a James S. McDonnell Scholar Award, you are not eligible to receive another Scholar Award. For *Scholar Awards* the program's emphasis is furthering the science of complex systems via the continued development of the theory and tools used in the study of complex research questions and not on particular fields of research per se. JSMF is particularly interested in projects attempting to apply complex systems approaches to coherently articulated questions.

- URL: <https://www.jsmf.org/apply/scholar-cs/>

Cultivating Cultures for Ethical STEM (CCS STEM)

National Science Foundation (NSF)

Due Date: 3/12/2015

Cultivating Cultures for Ethical STEM (CCE STEM) funds research projects that identify factors that are efficacious in the formation of ethical STEM researchers in all the fields of science and engineering that NSF supports. CCE STEM solicits proposals for research that explores the following: 'What constitutes ethical STEM research and practice? Which cultural and institutional contexts promote ethical STEM research and practice and why?' Factors one might consider include: honor codes, professional ethics codes and licensing requirements, an ethic of service and/or service learning, life-long learning requirements, curricula or memberships in organizations (e.g. Engineers without Borders) that stress social responsibility and humanitarian goals, institutions that serve under-represented groups, institutions where academic and research integrity are cultivated at multiple levels, institutions that cultivate ethics across the curriculum, or programs that promote group work, or do not grade. Do certain labs have a 'culture of academic integrity'? What practices contribute to the establishment and maintenance of ethical cultures and how can these practices be transferred, extended to, and integrated into other research and learning settings? Successful proposals typically have a comparative dimension, either between or within institutional settings that differ along these or other factors. CCE STEM research projects will use basic research to produce knowledge about what constitutes responsible or irresponsible, just or unjust scientific practices and sociotechnical systems, and how to best instill students with this knowledge. Proposals for awards from minority-serving institutions (e.g. Tribal Colleges and Universities, Historically Black Colleges and Universities, Hispanic-Serving Institutions, Alaska Native or Native Hawaiian Serving Institutions), women's colleges, and institutions primarily serving persons with disabilities are strongly encouraged. **NSF 15-528**

- URL: http://www.nsf.gov/pubs/2015/nsf15528/nsf15528.htm?WT.mc_id=USNSF_25&WT.mc_ev=click

Research Coordination Networks (RCN)

National Science Foundation (NSF)

Due Date: RCN & UBE Incubator Track full proposals due 3/2/2015, General (non-targeted) RCN proposals accepted anytime

The goal of the RCN program is to advance a field or create new directions in research or education by supporting groups of investigators to communicate and coordinate their research, training and educational activities across disciplinary, organizational, geographic and international boundaries. RCN provides opportunities to foster new collaborations, including international partnerships, and address interdisciplinary topics. Innovative ideas for implementing novel networking strategies, collaborative technologies, and development of community standards for data and meta-data are especially encouraged. RCN awards are not meant to support existing networks; nor are they meant to support the activities of established collaborations. RCN awards do not support primary research. RCN supports the means by which investigators can share information and ideas, coordinate ongoing or planned research activities, foster synthesis and new collaborations, develop community standards, and in other ways advance science and education through communication and sharing of ideas. Proposed networking activities directed to the RCN program should focus on a theme to give coherence to the collaboration, such as a broad research question or particular technologies or approaches. Participating core programs in the Directorates for Biological Sciences (BIO), Computer and Information Science and Engineering (CISE), Geosciences (GEO), Engineering (ENG) and Social, Behavioral and Economic Sciences (SBE) will accept General (non-targeted) RCN proposals. Some submission deadlines for the general RCN proposals vary by program; consult program websites. BIO is joined by the Directorate for Education and Human Resources (EHR) in the Undergraduate Biology Education (RCN-UBE) track described below.

The following targeted track within the RCN programs is intended to foster linkages between BIO and EHR:

- **RCN-UBE:** The Undergraduate Biology Education track focuses on any topic likely to lead to improved participation, learning, or assessment in undergraduate biology education and follows the same guidelines outlined below for the general RCN program.

Note: Because it addresses undergraduate biology education, the RCN-UBE track is offered in alignment with the NSF-wide undergraduate STEM education initiative, Improving Undergraduate STEM Education (IUSE).

- **URL:** <http://www.nsf.gov/pubs/2015/nsf15527/nsf15527.htm>

ARTS & HUMANITIES

Furthermore Grants in Publishing

J.M. Kaplan Fund

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

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>

Institutes for Advanced Topics in the Digital Humanities

National Endowment for the Humanities (NEH)

Due Date: 3/10/2015

These NEH grants support national or regional (multistate) training programs for scholars and advanced graduate students to broaden and extend their knowledge of digital humanities. Through these programs, NEH seeks to increase the number of humanities scholars using digital technology in their research and to broadly disseminate knowledge about advanced technology tools and methodologies relevant to the humanities. The projects may be a single opportunity or offered multiple times to different audiences. Institutes may be as short as a few days and held at multiple locations or as long as six weeks at a single site. For example, training opportunities could be offered before or after regularly occurring scholarly meetings, during the summer months, or during appropriate times of the academic year. The duration of a program should allow for full and thorough treatment of the topic.

- URL: <http://www.neh.gov/grants/odh/institutes-advanced-topics-in-the-digital-humanities>



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Creative Writing Fellowships

National Endowment for the Arts (NEA)

Due Date: 3/11/2015

Fellowships in fiction, poetry, and creative nonfiction enable recipients to set aside time for writing, research, travel, and general career advancement. Non-matching grants are for \$25,000. This year's guidelines are for poetry fellowships.

- URL: <http://arts.gov/grants-individuals/creative-writing-fellowships>

EDUCATION

Rathmann Challenge

Rathmann Innovation Center

Due Date: Opened for submission on 1/5/2015 and remains open until 200 qualified applications are received

The Rathmann Challenge is an opportunity for innovative thinkers who know how to implement a successful program. The first \$100,000 is awarded for your past outstanding work and includes an exclusive opportunity to apply for an additional \$200,000 in support of your Even Bigger Idea. Choose to put them together and you'll have \$300,000 from our Even Bigger Idea challenge to turn your vision into a reality. Our funding focus rotates annually through various areas. In 2015, we're focused on "Provisions for Personal Necessities in Preparation for Learning." We trust and believe teachers, administrators and program service providers are best positioned to create, evaluate and implement solutions for their student population and identify critical factors for student success. We seek ideas on how to assist educators in addressing issues which interfere with PreK-12 students' ability to be fully present in the classroom. Examples include: food, clothing, classroom supplies, shelter, personal care, dental, medical, mental health and legal support (e.g. immigration, juvenile and custodial issues).

- URL: <https://rathmann.brightidea.com/2015RathmannChallenge>

Robert Noyce Teacher Scholarship Program

National Science Foundation (NSF)

Due Date: 3/17/2015, 8/4/2015

In this solicitation, the acronym *STEM* stands for science, technology, engineering, and mathematics; STEM includes computer science. The **Robert Noyce Teacher Scholarship Program** seeks to encourage talented science, technology, engineering, and mathematics majors and professionals to become K-12 STEM teachers. **Track 1: The Robert Noyce Teacher Scholarships and Stipends Track** provides funds to support scholarships, stipends, and academic programs for undergraduate STEM majors and post-baccalaureate STEM professionals to become highly effective STEM teachers; these individuals commit to teaching for 2 years in high-need local educational agencies for every year of scholarship/stipend support. **Track 2: The NSF Teaching Fellowships Track** provides funds to support fellowships, academic programs, professional development, and salary supplements for STEM professionals, including retirees from STEM professions, who enroll in a master's degree program leading to teacher certification or licensing; these individuals, referred to as NSF Teaching Fellows, commit to teaching for four years in high-need local educational agencies. **Track 3: The NSF Master Teaching Fellowships Track** provides funds to support professional development and salary supplements for K-12 STEM teachers, who are experienced and exemplary and who already have a master's degree in their field, to become NSF Master Teaching Fellows; these individuals commit to teaching for five years in high-need local educational agencies. Tracks 1, 2, and 3 welcome Phase 1, Phase 2, and Capacity Building proposals. **Track 4: Research on the Preparation, Recruitment, and Retention of K-12 STEM Teachers** provides funds to support planning, exploratory research, and full scale research proposals that address (1) a set of research priorities identified by and stated in the 2010 National Research Council's report, *Preparing Teachers: Building Evidence for Sound Policy* and (2) issues identified in the literature on effective teachers and the retention of effective STEM teachers and teacher leaders. This track provides funding for two categories of proposals: Research Type A *Noyce Partnerships for Research on STEM Teacher Preparation* and Research Type B *Research on Preparing STEM Teachers for the Future*. **NSF 15-530**

- **URL:**http://www.nsf.gov/pubs/2015/nsf15530/nsf15530.htm?WT.mc_id=USNSF_25&WT.mc_ev=click

ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

Advanced Research Projects Agency – Energy (ARPA-E)

U.S. Department of Energy (DoE)

Due Date: Notice of Intent 2/20/2015; Concept Papers 2/27/2015

The objective of an ARPA-E OPEN FOA is to support the development of potentially disruptive new technologies across the full spectrum of energy applications. ARPA-E seeks to support transformational research in all areas of energy R&D, covering transportation and stationary applications. Areas of research responsive to this FOA include (but are not limited to) electricity generation by both renewable and non-renewable means; electricity transmission, storage, and distribution; energy efficiency for buildings, manufacturing and commerce, and personal use; and all aspects of transportation, including the production and distribution of both renewable and non-renewable fuels, electrification, and energy efficiency in transportation. Because of the enormous breadth of energy technologies solicited under an OPEN FOA, it is impossible to provide the well-defined technical targets contained in an ARPA-E FOA for a focused technology program. Rather, ARPA-E asks applicants to address the potential impact of the proposed technology on the agency's Mission Areas: reducing imported energy, reducing energy-related emissions, and improving energy efficiency. The critical question for applicants to consider in assessing potential impact is: "If it works, will it matter?" If an applicant can demonstrate that the proposed technology can achieve the technical targets specified in the FOA for a focused program, the agency believes that the technology can have significant impact on the agency's missions. In an OPEN FOA, the burden of demonstrating potential impact lies solely upon the applicant, who must make the strongest possible case for why the proposed technology will matter – that it has the potential to change our energy future. **DE-FOA-0001261**

- URL: <https://arpa-e-foa.energy.gov/#Foaldce3cc85c-75cb-4d73-baa5-3cee39bb6bc7>

The following NSF opportunities have semi-annual due dates of 2/17/15 and 9/15/15:

Biomechanics and Mechanobiology (BMMB)

National Science Foundation (NSF)

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

The BMMB Program supports fundamental research in biomechanics and mechanobiology. An emphasis is placed on multiscale mechanics approaches in the study of organisms that integrate across molecular, cell, tissue, and organ domains. The influence of *in vivo* mechanical forces on cell



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and matrix biology in the histomorphogenesis, maintenance, regeneration, and aging of tissues is an important concern. In addition, the relationships between mechanical behavior and extracellular matrix composition and organization are of interest. Funded projects may include theoretical, computational, and experimental approaches. The program encourages the consideration of diverse living tissues as smart materials that are self-designing. **PD 14-7479**

- **URL:**http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13523&WT.mc_id=USNSF_39&WT.mc_ev=click

Design of Engineering Material Systems (DEMS)

National Science Foundation (NSF)

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

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/pgm_summ.jsp?pims_id=504809&WT.mc_id=USNSF_39&WT.mc_ev=click

Engineering and Systems Design (ESD)

National Science Foundation (NSF)

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

The Engineering and Systems Design (ESD) program supports fundamental research leading to new engineering and systems design methods and practices for specific global contexts. In particular, ESD

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seeks intellectual advances in which the theoretical foundations underlying design and systems engineering are operationalized into rigorous and pragmatic methods for a specific context. In addition, the program funds the rigorous theoretical and empirical characterization of new or existing methods for design and systems engineering, identifying in which global contexts and under which assumptions these methods are effective and efficient. Such a global context includes both a domain (such as energy systems, consumer products, cyber-physical systems) and an economic, socio-political, environmental and technological context. Application of *existing* design methods or tools to new domains is out of scope. Research in ESD should advance the state of knowledge of design methodology, for instance, by adapting existing methods to a new context or by carefully characterizing existing or new design methods in a new context. Research focused on the theoretical foundation of design and systems engineering in a generic, domain-independent fashion should be submitted to the Systems Science program (SYS). **PD 14-1464**

- [URL:http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13340&WT.mc_id=USNSF_39&WT.mc_ev=click](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13340&WT.mc_id=USNSF_39&WT.mc_ev=click)

Manufacturing Enterprise Systems (MES)

National Science Foundation (NSF)

Due Date: 2/17/2015, 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](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13342&WT.mc_id=USNSF_39&WT.mc_ev=click)

Materials Engineering and Processing (MEP)

National Science Foundation (NSF)

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

The Materials Engineering and Processing (MEP) program supports fundamental research addressing the **processing and mechanical performance** of engineering materials by investigating the



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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/pgm_summ.jsp?pims_id=504950&WT.mc_id=USNSF_39&WT.mc_ev=click

Mechanics of Materials and Structures (MOMS)

National Science Foundation (NSF)

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

The Mechanics of Materials and Structures program supports fundamental research in mechanics as related to the behavior of deformable solid materials and respective structures under internal and external actions. A diverse and interdisciplinary spectrum of research is supported with emphasis on research that leads to advances in i) theory, experimental, and/or computational methods in mechanics, and/or ii) uses contemporary mechanics methods to address modern challenges in materials and structures. Proposed research can focus on existing or emerging materials and structural systems, across time and length scales. Proposals related to material response are welcome, and would propose, but not limited to, advances in fundamental understanding of deformation, fracture, fatigue, as well as on contact and friction through constitutive modeling, multi-scale (spatial or temporal) and multi-physics analysis, computational methods, or experimental techniques. Proposals that relate to structural response are welcome and would propose, but not limited to, advances in the understanding of nonlinear deformation, instability and collapse in the context of large deformation, wave propagation, multi-scale (spatial or temporal) and multi-physics analysis, computational methods, or experimental techniques. **PD 15-1630**

- **URL:**http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13355&WT.mc_id=USNSF_39&WT.mc_ev=click

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Nanomanufacturing (NM)

National Science Foundation (NSF)

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

The NSF Nanomanufacturing Program supports fundamental research in novel methods and techniques for batch and continuous processes, top-down (addition/subtraction) and bottom-up (directed self-assembly) processes leading to the formation of complex heterogeneous nanosystems. The program supports basic research in nanostructure and process design principles, integration across length-scales, and system-level integration. The Program leverages advances in the understanding of nano-scale phenomena and processes (physical, chemical, electrical, thermal, mechanical and biological), nanomaterials discovery, novel nanostructure architectures, and new nanodevice and nanosystem concepts. It seeks to address quality, efficiency, scalability, reliability, safety and affordability issues that are relevant to manufacturing. To address these issues, the Program encourages research on processes and production systems based on computation, modeling and simulation, use of process metrology, sensing, monitoring, and control, and assessment of product (nanomaterial, nanostructure, nanodevice or nanosystem) quality and performance. The Program seeks to explore transformative approaches to nanomanufacturing, including but not limited to: micro-reactor and micro-fluidics enabled nanosynthesis, bio-inspired nanomanufacturing, manufacturing by nanomachines, additive nanomanufacturing, hierarchical nanostructure assembly, continuous high-rate nanofabrication such as roll-to-roll processing or massively-parallel large-area processing, and modular manufacturing platforms for nanosystems. The Program encourages the fabrication of nanomaterials by design, three-dimensional nanostructures, multi-layer nanodevices, and multi-material and multi-functional nanosystems. Also of interest is the manufacture of dynamic nanosystems such as nanomotors, nanorobots, and nanomachines, and enabling advances in transport and diffusion mechanisms at the nano-scale. The program supports education of the next generation of researchers, and encourages building a workforce trained in nanomanufacturing systems. It is also interested in understanding long-term environmental, health and societal (EHS) implications of large-scale production and use of nano-scale materials, devices and systems. **PD 14-1788**

- [URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13347&WT.mc_id=USNSF_39&WT.mc_ev=click](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13347&WT.mc_id=USNSF_39&WT.mc_ev=click)

Operations Research (OR)

National Science Foundation (NSF)

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

The OR program supports fundamental research leading to the creation of innovative mathematical models, analysis, and algorithms for optimal or near optimal decision-making, applicable to the

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design and operation of manufacturing, service, and other complex systems. In addition to the traditional areas of Operations Research which includes discrete and continuous optimization as well as stochastic modeling and analysis, new research thrusts include simulation optimization and self-optimizing systems that can observe, learn, and adapt to changing environments. **PD 10-5514**

- **URL:**http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13341&WT.mc_id=USNSF_39&WT.mc_ev=click

Structural and Architectural Engineering (SAE)

National Science Foundation (NSF)

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

The overall goal of the Structural and Architectural Engineering (SAE) program is to evolve sustainable structures, such as buildings, that can be continuously occupied and /or operational during the structure's useful life. The SAE program supports fundamental research for advancing knowledge and innovation in structural and architectural engineering that enables holistic approach to design, construction, operation, maintenance, retrofit, repair and end-of-life disposal of structures. For buildings, holistic approach incorporates the foundation-structure-envelope-nonstructural system, as well as the façade and roofing. Research topics of interest for sustainable structures include the following: strategies for structures that over their lifecycle are cost-effective, make efficient use of resources and energy, and incorporate sustainable structural and architectural materials; deterioration due to fatigue and corrosion; serviceability concerns due to large deflections and vibrations; and advances in physics-based computational modeling and simulation. Research is encouraged that integrates discoveries from other science and engineering fields, such as materials science, building science, mechanics of materials, dynamic systems and control, reliability, risk analysis, architecture, economics and human factors. **PD 15-1637**

- **URL:**http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13358&WT.mc_id=USNSF_39&WT.mc_ev=click

Systems Science (SYS)

National Science Foundation (NSF)

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

The Systems Science (SYS) program supports fundamental research leading to a theoretical foundation for design and systems engineering. In particular, the Systems Science program seeks intellectual advances in which underlying theories (such as probability theory, decision theory, game theory, organizational sociology, behavioral economics or cognitive psychology) are integrated and abstracted to develop explanatory models for design and systems engineering in a general, domain-independent fashion. Ideally, the explanatory models, derived from the underlying theoretical



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foundations will lead to testable hypotheses. Based on collected evidence supporting or falsifying the hypotheses, new insights are gained allowing the explanatory models to be refined or updated. Systems research that does not address the *Engineering* of Systems is out of scope. Domain-specific applications of the theoretical foundations are also out of scope. Research that focuses on domain-specific applications, but simultaneously advances our fundamental understanding of design and systems engineering will be considered for co-funding with other programs (see "Related Programs" below for examples). Such proposals should be submitted to the appropriate disciplinary program, with the System Science program identified as a secondary program. **PD 14-8085**

- URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504788&WT.mc_id=USNSF_39&WT.mc_ev=click

FY15 Funding Opportunity Announcement for the Navy and Marine Corps Science, Technology, Engineering & Mathematics Education, Outreach, and Workforce Program
Office of Naval Research (ONR)

Due Date: White Papers 2/28/2015; Proposals 9/30/2015

The ONR seeks proposals for developing innovative solutions that directly support the development and maintenance of a robust STEM workforce. The goal of any proposed effort should be to provide "game changing" solutions that will establish and maintain a diverse pipeline of U.S. citizens who are interested in uniformed or civilian DoN (or Navy and Marine Corps) STEM related workforce opportunities. While this announcement is relevant for any stage of the STEM pipeline, for FY15, funding efforts will be targeted primarily towards High School, Post-Secondary education, and outreach designed to enhance the DoN (or Naval) STEM workforce and its mission readiness. Emphasis will be given both to key engineering and scientific areas outlined in the Naval S&T Strategic Plan such as our National Naval Responsibilities (see ONR website), and to identified STEM related workforce gaps and new strategic goals on the uniformed and civilian side. **ONR-FOA-15-0002**

Currently, we are especially interested in efforts related to:

- Developing and strengthening the engineering disciplines across all Naval activities, as well as improving our technician pipeline.
- Developing the capacity of the current and future Naval workforce to utilize big data analytics and enhance information science disciplines across all Naval activities.
- Develop efforts that engage Veterans in Naval STEM careers.

- URL: <http://www.onr.navy.mil/~media/Files/Funding-Announcements/BAA/2015/15-0002-STEM.ashx>

Doctoral New Investigator (DNI) Grants

American Chemical Society Petroleum Research Fund

Due Date: 3/13/2015, 10/17/2015

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>

United States-Israel Collaboration in Computer Science (USICCS)

National Science Foundation / US-Israel Binational Science Foundation (BSF)

Due Date: 3/16/2015

The United States-Israel Collaboration in Computer Science (USICCS) program is a joint program of NSF and the United States - Israel Binational Science Foundation (BSF). The program supports research projects that develop new knowledge in the areas of theory of computing; algorithm design and analysis; design, verification, and evaluation of software systems; and revolutionary computing models based on emerging scientific ideas. Through this program, NSF and BSF will jointly support collaborations among US-based researchers and Israel-based researchers. US-based researchers will receive funds from NSF to support travel to Israel to interact with their Israeli counterparts. Israel-based and US-based researchers will receive funds allowable under the BSF program described at <http://www.bsf.org.il/>. **NSF 15-510**

- **URL:** http://www.nsf.gov/pubs/2015/nsf15510/nsf15510.htm?WT.mc_id=USNSF_25&WT.mc_ev=click

HEALTH, LIFE & EARTH SCIENCES

Digital Health Initiative - Healthier World Innovation Challenge

Aetna Foundation

Due Date: Letters of Inquiry 2/16/2015; Invited Proposals 5/8/2015

The Aetna Foundation seeks to support evidence-based localized models of how technology and digital health strategies can be used to promote and support chronic disease prevention and management in minority and other underserved populations. Technology and digital health strategies must be fully developed before the start of funding, should be attentive to digital and health literacy and should not incur costs to the targeted user. We wish to examine how technology and digital health strategies, when used in partnership with a strong foundation of primary care, can contribute to efforts to reduce racial and ethnic health disparities. Projects should be done in partnership with community partners and other stakeholders and grounded in behavioral or applicable theory, as well as policy. Our goal is to demonstrate the key components, best practices and benefits of the use of technology and digital health as part of population health strategies for chronic disease prevention and management in minority populations. Accordingly, these strategies should be focused on reducing racial and ethnic health disparities.

- URL: <http://www.aetna-foundation.org/foundation/aetna-foundation-programs/mHealth/healthierworld-innovation-challenge.html>

NIH Big Data to Knowledge (BD2K) Enhancing Diversity in Biomedical Data Science (R25)

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

Due Date: Letters of Intent 2/19/2015; Applications 3/19/2015

The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The over-arching goal of this Big Data to Knowledge (BD2K) R25 program is to support educational activities that enhance the diversity of the biomedical, behavioral, and clinical research workforce. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on research experiences and curriculum development.

RFA-MD-15-005

- URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-MD-15-005.html>

Bayada Technological Innovation in Nursing Award

Drexel University

Due Date: 3/2/2015

[Drexel University](#) is accepting applications for the annual Bayada Awards for Technological Innovation in Nursing Education and Practice. The award program, which was created in 2004 to acknowledge nurses who have made a significant contribution to nursing education or practice through the development and/or adoption of a new technology, provides two \$10,000 prizes, one to a nursing educator or a practicing nurse whose innovation leads to improved nursing education and student outcomes, and one to a nurse educator or practicing nurse whose innovation leads to improved patient care and patient care outcomes. Entries will be judged on the technology's innovativeness and its impact on nursing education or direct patient care. The innovation must be new and be in use for six months or longer prior to submission of application. Applications must be submitted in one of the following categories: **1) Nursing education (both didactic and clinical):** innovation may be related to curriculum delivery methods, improving student clinical competency, and efficiency. Examples include developing a software program that assists nursing students with collection of patient data and the creation of an electronic nursing care plan. **2) Patient care:** innovation may be related to improving the efficiency of patient care delivery, preventing errors in patient care, and improving outcomes. Examples include using current technology/equipment to develop a new way to monitor patient assessment data, alerting staff of status change, developing new technological tools to assess patients, and decision support tools. See the Drexel University website for complete program guidelines, application instructions, and profiles of past winners.

- URL: <http://www.drexel.edu/cnhp/newsEvents/events/BayadaAwards/>

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

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

Due Date: 3/6/2015 (thereafter, standard due dates apply) 6/5/2015, 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>

Environmental Education Local (EE) Grants

Environmental Protection Agency (EPA)

Due Date: 3/6/2015

The purpose of the Environmental Education Local Grants Program is to support locally-focused environmental education projects that increase public awareness and knowledge about environmental issues and provide the skills that participants in its funded projects need to make informed environmental decisions and take responsible actions toward the environment. **EPA-EE-14-02**

- URL: <http://www2.epa.gov/education/environmental-education-ee-grants>

Recognition Grants

Kansas Health Foundation (NHF)

Due Date: 3/15/2015, 9/15/2015

Recognition Grants expand the Kansas Health Foundation's support to a broad range of organizations throughout the state. While the majority of the Foundation's funding is through invited proposals, the Recognition Grants program is designed to fund unsolicited requests. It targets for organizations and agencies proposing meaningful and charitable projects that fit within the Foundation's mission of improving the health of all Kansans. In addition to supporting projects, the Foundation also seeks to support initiatives that focus on promoting policy, systems and environmental (PSE) transformations that support health. PSE initiatives that affect all aspects of health, including social factors that contribute to a healthy population may be considered. Funding may be used to support the following activities of the proposed initiative: strategic communication, coalition building, data collection to inform or support an initiative, or non-lobbying advocacy actions.

Recognitions Grants are grants of up to \$25,000 per organization. Using a competitive process, the Foundation will award as much as \$2 million annually to Recognition Grant projects. Application deadlines are March 15 and September 15 each year. In the event these deadlines fall on a weekend, applications will not be due until the next business day.

- URL: <http://kansashealth.org/grantmaking/recognitiongrants>

Career Guidance for Trainees

Burroughs Wellcome Fund

Due Date: 3/16/2015

Beyond the traditional tenure track, there are few clear pathways for transition from bench training to the kinds of jobs that put scientists' knowledge, skills, and intellectual energy to good use. Highlighting approaches to careers outside academia, providing insight into how to fit in and thrive in the working world, and clarifying how a scientist's skills are applicable beyond the bench may help young scientists remain confident that time spent at the bench does not close the door to future careers away from the laboratory, and that improving one's non-technical skills does not close the door to future careers in basic or applied research. The Burroughs Wellcome Fund will support pilot projects that demonstrate practical approaches to readying scientists for career transitions. Projects may be meant to enhance trainees' understanding of jobs beyond the Academy, or of career trajectories within academe, or of the flexibility of scientists' intellectual skill set.

- URL: <http://www.bwfund.org/grant-programs/career-guidance/career-guidance-trainees>

Earth Sciences: Instrumentation and Facilities (EAR/IF)

National Science Foundation (NSF)

Due Date: Proposals accepted anytime

The Instrumentation and Facilities Program in the Division of Earth Sciences (EAR/IF) supports meritorious requests for infrastructure that promotes research and education in areas supported by the Division (see <http://www.nsf.gov/div/index.jsp?div=EAR>). EAR/IF will consider proposals for:

- **Acquisition or Upgrade of Research Equipment** that will advance laboratory and field investigations and student research training opportunities in the Earth sciences. The maximum request is \$750,000. The maximum request for upgrade of research group computing facilities is \$75,000.

- **Development of New Instrumentation, Techniques or Software** that will extend current research and research training capabilities in the Earth sciences. The maximum request is \$750,000.
- **Support of National or Regional Multi-User Facilities** that will make complex and expensive instruments, systems of instruments or services broadly available to the Earth science research and student communities.
- **Support for Early Career Investigators** to facilitate expedient development and operation of new research infrastructure proposed by the next generation of leaders in the Earth Sciences. The Early Career opportunity specifically allows for submission of a proposal for **Acquisition or Upgrade of Research Equipment** or **Development of New Instrumentation, Techniques or Software** which may include additional budget line items associated with support of a new full-time technician who will be dedicated to manage, operate and maintain the instrument(s) being requested. Any request for technical support under this opportunity is limited to three years duration. The maximum total request is \$1,000,000. **NSF 15-516**
- **URL:**http://www.nsf.gov/pubs/2015/nsf15516/nsf15516.htm?WT.mc_id=USNSF_25&WT.mc_ev=click

INTERNATIONAL

Human Frontier Research Program

International Human Frontier Science Program Organization

Due Date: Registration 3/19/2015; Letters of Intent 3/31/2015

The Human Frontier Research Program supports interdisciplinary, international research on complex mechanisms of living organisms. Research grants provides for teams of scientists from different countries to combine their expertise in approaches to questions that could not be answered by individual laboratories. Areas of interest are brain functions and molecular approaches to biological functions.

- **URL:** <http://www.hfsp.org/funding>

MULTIPLE DISCIPLINES

Secure and Trustworthy Cyberspace (SaTC) Early Concept Grants for Exploratory Research (EAGERs)

National Science Foundation (NSF)

[Dear Colleague Letter: SaTC EAGERS Enabling New Collaborations \(NSF 15-005\)](#)

Due Dates: Research Idea Summary 3/2/2015; Proposals 5/1/2015

SOCIAL & BEHAVIORAL SCIENCES

Esther Katz Rosen Fund Grants

American Psychological Association (APA)

Due Date: 3/1/2015

The Ester Katz Rosen Fund was established in 1974 by a generous bequest intended to support "...activities related to the advancement and application of knowledge about gifted children."

Rosen Fund grants:

- Enable and enhance development of identified gifted and talented children and adolescents.
- Encourage promising psychologists to continue innovative research and programs in this area.

Support will be provided for activities on the advancement and application of knowledge related to identified gifted and talented children and adolescents such as:

- Research
- Pilot Projects
- Research-based programs
- Projects aimed at improving the quality of education in psychological science and its application in secondary schools for high ability students
- **URL:** <http://www.apa.org/apf/funding/rosen.aspx>

Evaluating Structural, Economic, Environmental, or Policy Primary Prevention Strategies for Intimate Partner Violence and Sexual Violence

Department of Health & Human Services (HHS) - Centers for Disease Control & Prevention (CDC)

Due Date: 3/5/2015

The purpose of this announcement is to support research to rigorously evaluate structural, economic, environmental, or policy strategies for the primary prevention of intimate partner violence and/or sexual violence (IPV and/or SV). The proposed research will add to the limited knowledge base on effective strategies for IPV and/or SV prevention by evaluating the use of community-level approaches that change one or more of the social, economic, behavioral, or environmental characteristics of a community in order to prevent and reduce rates of IPV and/or SV perpetration, victimization or both perpetration and victimization. **RFA-CE-15-003**

- URL: <http://www.grants.gov/web/grants/view-opportunity.html?oppld=269967>

Collecting Digital Evidence From Large-Scale Computer Systems and Networks

National Institute of Justice (NIJ) - U.S. Department of Justice (DOJ)

Due Date: 3/23/2015

Among the needs identified in the NIJ publication, “High Priority Criminal Justice Technology Needs 2010,” is an improved capability to use and process digital evidence. The ultimate goal of this solicitation is to introduce into practice improved means to meet, at least in part, that need. Large-scale computer systems and computer networks are often identified as the potential source of digital evidence in criminal justice investigations that range from combating terrorism to economic crimes. These systems entail diverse configurations, operating systems, applications, connectivity, hardware, and components. Network data are more volatile and unpredictable than on standalone devices; and the amount of data generated can create challenges. Network forensics offers some significant challenges when compared to computer forensics. In an environment where data are dynamic and constantly moving, defining where and how to retrieve the data that are of evidentiary interest is difficult. Data that may be of evidentiary interest may be obfuscated by the application, cluster computing, or the network type (e.g., wireless networks). In increasing cases the size of the data environment has grown so that only portions or segments of the data are within the scope of possible investigations. As the prevalence of these systems increases, State and local criminal justice practitioners will need improved tools to conduct network forensics, e.g., investigate network traffic, capture packets, incoming/outgoing connections, etc. **NIJ-2015-4016**

- URL: <https://www.ncjrs.gov/pdffiles1/nij/sl001136.pdf>

Developing a Method to Valuate Law Enforcement Data

National Institute of Justice (NIJ) - U.S. Department of Justice (DOJ)

Due Date: 3/23/2015

One of the research objectives of NIJ's Science and Technology Program is to improve the delivery of information to the criminal justice practitioner; to ensure they have the right data, at the right time to make informed decisions. To that end, NIJ is already funding research to (1) map the national criminal justice data architecture; (2) identify gaps or misalignments in the architecture; and (3) recommend solutions to address those gaps. NIJ is also funding research to develop and test an evaluation methodology to measure the outcomes of existing information sharing systems on criminal justice organizational performance. This solicitation takes NIJ's efforts in this area one step further, seeking to begin to valuate the different kinds of data moving through that architecture. **NIJ-2015-4019**

- URL: <https://www.ncjrs.gov/pdffiles1/nij/sI001135.pdf>

OJJDP FY 2015 Youth Violence Prevention Coordinated Technical Assistance Program

U.S. Department of Justice (DoJ) – Office of Juvenile Justice and Delinquency Prevention (OJJDP)

Due Date: 3/30/2015

This project will make available and deploy strategic, coordinated training and technical assistance to OJJDP's signature youth violence grantees to help them plan, implement, and sustain their youth violence prevention and well-being work. OJJDP will call on the successful applicant to broker, coordinate, and, in relevant instances, provide a range of high quality, cost-effective technical support on topics and reform (community and system change) processes. The successful applicant will support the communities taking part in the Defending Childhood, National Forum on Youth Violence Prevention, and Community Based Violence Prevention initiatives to reduce violence, improve well-being outcomes, and institutionalize and sustain productive efforts. The successful applicant will help the communities develop professional knowledge and capacity, reform policy and practice, increase effective use of data to inform decision making, raise public awareness, align and/or reallocate existing resources, enhance community outreach, increase engagement of and collaboration among the full range of stakeholders, and promote collective impact. (Refer to pages 6 and 7 for program locations.) The ultimate aim of this work is to promote the well-being of children and youth, their families, and the communities in which they reside and enhance public safety through the prevention and reduction of violence. The successful applicant will work closely with OJJDP and other federal partners to provide technical assistance consistent with the terms of this cooperative agreement. Special attention and expertise is required to support the two tribal nations funded under the Defending Childhood Initiative. **OJJDP-2015-4057**

- URL: <http://www.ojjdp.gov/grants/solicitations/FY2015/YVPTTA.pdf>

STUDENTS

Minority Fellowship Program

American Nurses Association (ANA)

Due Date: 3/1/2015

The Minority Fellowship Program is supported by SAMHSA and provides fellowships for nurses who are interested in a career that focuses on the prevention and treatment of mental illness and substance abuse and supports the study on minority psychiatric-mental health and substance abuse issues. Includes Predoctoral & Postdoctoral clinical research fellowships. Stipends vary depending on funding for the year. In the past, high has been \$28,260/year for up to two years.

- URL: <http://www.emfp.org/MainMenuCategory/Fellowships.aspx>

Odum Internship in Field Ecology

Huyck Preserve & Biological Research Station

Due Date: 3/2/2015

Dr. Eugene Odum, regarded as the father of ecosystems ecology, launched his scientific career at the Huyck Preserve in the early 1940s as one of the first Senior Research Fellows at the biological research station. In honor of his legacy, the Huyck Preserve offers an internship for undergraduate students who are interested in conducting ecological field research. Similar to the National Science Foundation's Research Experiences for Undergraduates programs, interns work with scientific professionals, conduct and present original research, and gain valuable professional experience at a biological field station that has a rich history of launching prominent ecologists' careers.

Internship summary:

- This is a residential internship at the Huyck Preserve and Biological Research Station
 - Four highly qualified undergraduate students will be selected each summer.
 - This is a full-time internship for the duration of eight weeks
 - The internship is unpaid, however housing and equipment is provided
 - Arrangements for college credit may be possible and must be made with the applicant's home institution.
- URL: <https://www.huyckpreserve.org/odum-internship.html>



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Postdoctoral Research in the Digital Humanities

University of Kansas - Hal Center for the Humanities

Due Date: 3/5/2015

The Hall Center for the Humanities seeks a Postdoctoral Researcher in the Digital Humanities. In order to increase the profile of digital humanities scholarship at the university, the Hall Center seeks to appoint a recent PhD as a Postdoctoral Researcher in the Digital Humanities who will work on a substantial research project in the Hall Center and assist the faculty co-directors of the Institute for Digital Research in the Humanities with workshops and teaching. Candidates should have a PhD in any humanities or humanities-oriented social science field and have demonstrated experience with digital humanities tools and methodologies. Successful candidates will also possess a track record of excellence in teaching at the university level. The Postdoctoral Researcher will be mentored by faculty members at KU in allied fields and the Hall Center Director. This is a two-year appointment. The Hall Center is a designated research center on the KU campus that promotes scholarship the humanities, arts, and humanities-oriented social sciences. Along with the College of Liberal Arts & Sciences and the KU Libraries, the Hall Center supports the Institute for Digital Research in the Humanities (IDRH).

- URL: <https://sjobs.brassring.com/TGWEBHost/jobdetails.aspx?partnerid=25752&siteid=5541&AREq=2527BR>

Student Science and Engineering Research Grants

Sigma Xi

Due Date: 3/15/2015

[Sigma Xi](#), a society of research scientists and engineers that rewards excellence in research and cooperation among scientists in all fields, has been providing undergraduate and graduate students with valuable educational experiences and financial support for more than eighty years. By encouraging close working relationships between students and faculty, the society promotes scientific achievement through hands-on learning. Through its Sigma Xi Grants-in-Aid of Research program, the society awards grants of up to \$1,000 to students from all areas of the sciences and engineering. Designated funds from the National Academy of Sciences allow for grants of up to \$5,000 for astronomy research and \$2,500 for vision-related research. Funding can support travel expenses or the purchase of nonstandard laboratory equipment necessary to complete a specific research project. While membership in Sigma Xi is not a requirement for applying for a grant, approximately 75 percent of Grants-in-Aid of Research funds are restricted for use by dues-paying student members or students whose project advisor is a dues-paying member. Students from any country are eligible to receive funding.

- URL: <https://www.sigmaksi.org/programs/grants-in-aid>

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