



Funding Bulletin

February 13th, 2015 (Vol. 2, No. 10)

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.

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

Spring 2015 RTT Workshop Series

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

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.

Notice - NIH Deadlines Revised

All NIH proposal submission deadlines set for February 13-18 will be postponed to February 19 due to planned upgrades to grants.gov. For more information:

<http://grants.nih.gov/grants/guide/notice-files/NOT-OD-15-057.html>

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) National Science Foundation Research Traineeship (NRT) Program

National Science Foundation (NSF)

Due Date: Internal 3/13/2015; Optional Letters of Intent 3/25/2015; Full Proposals 5/6/2015

The NSF Research Traineeship (NRT) program is designed to encourage the development and implementation of bold, new, potentially transformative, and scalable models for STEM graduate education training. The NRT program seeks proposals that ensure that graduate students in research-based master's and doctoral degree programs develop the skills, knowledge, and competencies needed to pursue a range of STEM careers. The NRT program includes **two tracks**: the **Traineeship Track** and the **Innovations in Graduate Education (IGE) Track**. The **Traineeship Track** is dedicated to effective training of STEM graduate students in high priority interdisciplinary research areas, through the use of a comprehensive traineeship model that is innovative, evidence-based, aligned with changing workforce and research needs, and scalable. For this solicitation the Traineeship Track has one priority interdisciplinary research theme — Data-Enabled Science and Engineering (DESE); proposals are encouraged also on any non-DESE interdisciplinary research theme that is a national priority. The **IGE Track** is dedicated solely to piloting, testing, and evaluating novel, innovative, and potentially transformative approaches to graduate education, both disciplinary and interdisciplinary, to generate the knowledge required for their customization, implementation, and broader adoption. Whereas the Traineeship Track promotes building on the current knowledge base to more effectively train STEM graduate students, the IGE Track supports test-bed projects with high potential to enrich, improve, and extend the knowledge base with attention to transferability and innovation. For both



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tracks, strategic collaborations with the private sector, non-governmental organizations (NGOs), government agencies, national laboratories, field stations, teaching and learning centers, museums, and academic partners are encouraged. **NSF 15-542 Each institution may submit two Traineeship Track proposals and one Innovations in Graduate Education Track proposals.**

(Additional Due Date: LOI 12/22/2015, Full Proposals 2/22/2016)

- URL:http://www.nsf.gov/pubs/2015/nsf15542/nsf15542.htm?WT.mc_id=USNSF_25&WT.mc_ev=click

INTERNAL OPPORTUNITIES

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=/ORAIInternalGrants/ORAIInternalGrants/>

GENERAL

Service Year + Higher Ed Innovation Challenge

Franklin Project at the Aspen Institute

Due Date: 3/6/2015

The [Franklin Project](#) at the [Aspen Institute](#), in partnership with the [Lumina Foundation](#), the [National Conference on Citizenship](#), and the [Corporation for National and Community Service](#), is inviting

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applications from postsecondary education institutions for the Service Year + Higher Ed Innovation Challenge. Each college or university entrant will compete for a prize to support the planning and creation of new education-affiliated service-year positions. The challenge seeks to promote innovative ideas related to the integration of learning and service during the college experience. There are three categories of entrants — public, private, and community colleges — with each category winner receiving \$30,000. Additionally, an Audience Choice Award winner will receive a \$10,000 prize. To be eligible for the challenge, applicants must design a service-year program that results in academic credit, meets Service Year exchange certification criteria, is designed for sustainability, has the support of the institution's leadership, and provides a model for other postsecondary institutions.

- URL: <http://www.sychallenge.org/about-the-challenge/>

Critical Resilient Interdependent Infrastructure Systems and Processes (CRISP)

National Science Foundation (NSF)

Due Date: 3/20/2015

The goals of the **Critical Resilient Interdependent Infrastructure Processes and Systems (CRISP)** solicitation are to: (1) foster an interdisciplinary research community of engineers, computer and computational scientists and social and behavioral scientists, that creates new approaches and engineering solutions for the design and operation of infrastructures as processes and services; (2) enhance the understanding and design of interdependent critical infrastructure systems (ICIs) and processes that provide essential goods and services despite disruptions and failures from any cause, natural, technological, or malicious; (3) create the knowledge for innovation in ICIs so that they safely, securely, and effectively expand the range of goods and services they enable; and (4) improve the effectiveness and efficiency with which they deliver existing goods and services. These goals lead to the following specific objectives for this solicitation:

- To create new knowledge, approaches, and engineering solutions to increase resilience, performance, and readiness in ICIs.
- To create theoretical frameworks and multidisciplinary models of ICIs, processes and services, capable of analytical prediction of complex behaviors, in response to system and policy changes.
- To develop frameworks to understand interdependencies created by the interactions between the physical, the cyber (computing, information, computational, sensing and communication), and social, behavioral and economic (SBE) elements of ICIs. These could include, but are not limited to, approaches for: better physical design of ICIs and their placement; the use of new materials; software frameworks for better integration of the software and computing systems

embedded in ICIs; software frameworks for modeling and simulation, management, monitoring and control of interdependent ICIs; and novel software engineering methodologies.

- To understand organizational, social, psychological, legal, and economic obstacles to improving ICIs, and identifying strategies for overcoming those obstacles.

The CRISP solicitation seeks proposals with transformative ideas that will ensure ICI services are effective, efficient, dependable, adaptable, resilient, safe, and secure. Successful proposals are expected to study multiple infrastructures focusing on them as interdependent systems that deliver services, enabling a new interdisciplinary paradigm in infrastructure research. To meet the interdisciplinary criterion, proposals must broadly integrate across engineering, computer, information and computational science, and the social, behavioral and economic (SBE) sciences. **Proposals that do not meet this criterion may be returned without review.** Projects supported under this solicitation may undertake the collection of new data or use existing curated data depending on the category of award, and must recognize that a primary objective is integrative, predictive modeling that can use the data to validate the models and that can be integrated into decision making. **NSF 15-531**

- **URL:** http://www.nsf.gov/pubs/2015/nsf15531/nsf15531.htm?WT.mc_id=USNSF_25&WT.mc_ev=click

NIJ Graduate Research Fellowship in Science, Technology, Engineering, and Mathematics

National Institute of Justice (NIJ)

Due Date: 3/30/2015

The Graduate Research Fellowship in Science, Technology, Engineering, and Mathematics (GRF-STEM) provides awards to accredited academic institutions to support graduate research leading to doctoral degrees in areas that are relevant to ensuring public safety, preventing and controlling crime, and ensuring the fair and impartial administration of criminal justice in the United States. Applicant academic institutions sponsoring doctoral students are eligible to apply only if the doctoral dissertation research has direct implications for providing science-, technology-, engineering-, or mathematics-based solutions for issues that affect public safety, crime, and the fair and impartial administration of criminal justice in the United States. Academic institutions are encouraged to apply to support doctoral students in the Life Sciences, Chemistry, Physics, Geosciences, Materials Research, Engineering, Computer and Information Sciences and Engineering, and the Mathematical Sciences. **NIJ-2015-3992**

- **URL:** <http://www.grants.gov/web/grants/view-opportunity.html?oppld=270777>

ROSES 2014: Fellowships for Early Career Researchers

National Aeronautics and Space Administration (NASA)

Due Date: 3/31/2015

The Early Career Fellowship (ECF) program was established to support the development of individual research programs of outstanding scientists early in their careers and to stimulate research careers in the areas supported by the Planetary Sciences Division. This Program is based on the idea that supporting key individuals is a critical mechanism for achieving high impact science that will lead the field forward with new concepts, technologies, methods, and more. Proposers who wish to become Early Career Fellows must have received their Ph.D. or equivalent degree within seven calendar years of the year of submission of their research proposal and may not be in a permanent or equivalent position on or before the submission of their research proposal. A permanent equivalent position is one without a fixed term of employment and for which the institution has demonstrated a long-term commitment to the Fellow. Examples of a permanent or equivalent position include, but are not limited to, tenure-track faculty at a university and permanent civil service appointment at a U.S. Government facility. **NNH14ZDA001N-ECF**

- **URL:** <http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={F5018125-844F-0B58-0FF7-5D829FC63F40}&path=open>

ARTS & HUMANITIES

On the Road International Collaboration Grants

Theatre Communications Group

Due Date: 3/11/2015

The New York City-based [Theatre Communications Group](http://www.tcg.org) is accepting proposals from theater organizations and individual artists in support of collaborations between artists based in the United States and their colleagues around the world. Through its Global Connections program, TCG will award up to twelve On the Road grants of up to \$5,000 each to individual artists looking to foster new relationships with international colleagues that inspire their work and create opportunities for cultural exchange; and up to six In the Lab grants of \$10,000 each to further preexisting collaborations through support for residencies that either advance the development of a piece or explore elements leading up to a full production.

- **URL:** http://www.tcg.org/grants/global_connections/globalcon_index.cfm



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BUSINESS

SHRM Foundation Research Grants

Society for Human Resource Management (SHRM) Foundation

Due Date: 4/1/2015, 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>

ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

NEWLY RELEASED!!!

Materials for Transduction (MATRIX)

U.S. Department of Defense (DoD) – Defense Advanced Research Projects Agency (DARPA)

Due Date: Abstracts 2/19/2015; Proposals 4/2/2015

The MATRIX program is soliciting novel ideas in transductional materials and device modeling, design, engineering, and fabrication that address DoD needs, enable new applications, and offer transformative new capability. Achieving these goals within the timescale of the program will require the parallel development of modeling, fabrication, measurement and other materials and component

technologies, as well as the integration and optimization of these components within prototype devices. Devices of interest may cover a broad range of energy transduction modes and capabilities and may be guided by, but are not limited to, the following examples:

- New high-temperature-differential thermoelectric coolers for cooling of temperaturesensitive sensors; high-heat-flux thermoelectric coolers for stabilizing high-powerdensity electronics; new power generation and waste heat harvesting technologies;
- Ultrasensitive room temperature sensors, micromotors and actuators, RF and optical spectral control (e.g., tunable components and antennas), and new switching and logic devices based on multiferroic or phase change materials; and
- Other devices that leverage thermoelectric, multiferroic, or phase change materials, either singly or in combination.

In each case, the proposed materials and device technology should significantly advance the state of the art and enable new applications or capabilities not addressed by present day technologies.

DARPA-BAA-15-19

- URL: https://www.fbo.gov/index?s=opportunity&mode=form&id=c18fc27c569968b0cd0459cc6d2cd782&tab=core&_cvview=0

Topical Collaborations in Nuclear Theory

U.S. Department of Energy (DoE) – Office of Science Nuclear Physics

Due Date: Letter of Intent 3/20/2015; Application 4/30/2015

The Office of Nuclear Physics (NP), Office of Science (SC), U.S. Department of Energy (DOE), hereby announces its interest in receiving proposals for Topical Collaborations in Nuclear Theory. Topical Collaborations are fixed-term, multi-institution collaborations established to investigate a specific topic in nuclear physics of special interest to the community, which is aligned with programmatic NP goals and has not been addressed by a previous Topical Collaboration. Topical Collaborations also provide a mechanism for maintaining a robust community, by encouraging the creation of tenured university appointments and permanent laboratory positions in nuclear theory. **DE-FOA-0001269**

- URL: http://science.energy.gov/~media/grants/pdf/foas/2015/SC_FOA_0001269.pdf

Campus Cyberinfrastructure – Data, Networking, and Innovation Program (CC*DNI)

National Science Foundation (NSF)

Due Date: 3/24/2015

The Campus Cyberinfrastructure - Data, Networking, and Innovation (CC*DNI) program invests in campus-level data and networking infrastructure and integration activities tied to achieving higher levels of performance, reliability and predictability for science applications and distributed research projects. Science-driven requirements are the primary motivation for any proposed activity. **NSF 15-534** CC*DNI awards will be made in seven areas:

1. Data Infrastructure Building Blocks (DIBBs) - Multi-Campus/Multi-Institution Model Implementations awards will be supported at up to \$5,000,000 total for up to 5 years.
2. Data Driven Networking Infrastructure for the Campus and Researcher awards will be supported at up to \$500,000 total for up to 2 years.
3. Network Design and Implementation for Small Institutions awards will be supported at up to \$350,000 total for up to 2 years.
4. Network Integration and Applied Innovation awards will be supported at up to \$1,000,000 total for up to 2 years.
5. Campus CI Engineer awards will be made at up to \$400,000 total for up to 2 years.
6. Regional Coordination and Partnership in Advanced Networking awards will be made at up to \$150,000 for up to 2 years.
7. Instrument Networking awards will be supported at up to \$400,000 for up to two years.

- **URL:**http://www.nsf.gov/pubs/2015/nsf15534/nsf15534.htm?WT.mc_id=USNSF_25&WT.mc_ev=click

Research Experiences for Teachers (RET) in Engineering and Computer Science

National Science Foundation (NSF)

Due Date: 4/8/2015

The Directorate for Engineering (ENG) and the Directorate for Computer and Information Science and Engineering (CISE), have joined to support the Research Experiences for Teachers (RET) in Engineering and Computer Science program. This program supports active long-term collaborative partnerships between K-12 Science, Technology, Engineering, Computer and Information Science, and Mathematics (STEM) teachers and community college and university faculty and students to bring knowledge of engineering or computer and information science and engineering as well as technological innovation to pre-college/community college classrooms. The goal of these partnerships is to enable K-12 STEM teachers and community college faculty to translate their research experiences and new knowledge gained in university settings into their classroom activities.

The university team will include faculty, graduate and undergraduate students as well as industrial advisors. Involvement of graduate students in support of academic-year classroom activities is particularly encouraged. Partnerships with inner city, rural or other high needs schools are especially encouraged, as is participation by underrepresented minorities, women, and persons with disabilities. As part of the long-term partnership arrangements, university undergraduate/graduate students will partner with pre-college/community college faculty in their classrooms during the academic year to help teach engineering/computer science concepts. **NSF 15-536**

- **URL:**http://www.nsf.gov/pubs/2015/nsf15536/nsf15536.htm?WT.mc_id=USNSF_25&WT.mc_ev=click

HEALTH, LIFE & EARTH SCIENCES

Conservation Innovation Grants FY15

U.S. Department of Agriculture (USDA) – National Resource Conservation Service (NRCS)

Due Date: Pre-Proposals 2/24/2015; Applications 4/30/2015

The purpose of CIG is to stimulate the development and adoption of innovative conservation approaches and technologies, while leveraging the Federal investment in environmental enhancement and protection in conjunction with agricultural production. CIG projects are expected to lead to the transfer of conservation technologies, management systems, and innovative approaches (such as market-based systems) into NRCS technical manuals and guides or to the private sector. CIG is used to apply or demonstrate previously proven technology in order to increase adoption with an emphasis on opportunities to scale proven, emerging conservation strategies. CIG promotes sharing of skills, knowledge, technologies, and facilities among communities, governments, and other institutions to ensure that scientific and technological developments are accessible to a wider range of users. CIG funds projects targeting innovative on-the-ground conservation, including pilot projects and field demonstrations. CIG does not fund research projects, with the exception of on-farm conservation research. On-farm conservation research is defined as an investigation conducted to answer a specified conservation-related question using a statistically valid design, while employing farm-scale equipment on farm fields. Specifically, a valid study design will use an appropriate number of replications and statistical analysis of results. To the extent NRCS funds research projects through CIG, the Agency will only fund research projects that stimulate innovative approaches to natural resource management in conjunction with agricultural production. **USDA-NRCS-CIG-15-01**

- **URL:** <http://www.nrcs.usda.gov/wps/portal/nrcs/main/national/programs/financial/cig/>

Alcohol and Substance Abuse Research Program

U.S. Department of Defense (DoD) – Congressionally Directed Medical Research Programs (CDMRP)

Due Date: Pre-Applications 2/26/2015; Full Applications 3/5/2015

Applications to the Fiscal Year 2014 (FY14) Alcohol and Substance Abuse Research Program (ASARP) are being solicited for the Defense Health Agency, Research, Development, and Acquisition (DHA RDA) Directorate, by the U.S. Army Medical Research Acquisition Activity (USAMRAA). As directed by the Office of the Assistant Secretary of Defense for Health Affairs, the DHA RDA Directorate manages and executes the Defense Health Program (DHP) Research, Development, Test, and Evaluation appropriation. The Department of Defense (DoD) Congressionally Directed Medical Research Programs (CDMRP) operates in partnership with the Joint Program Committee 5/Military Operational Medicine Research Program (JPC-5/MOMRP) to provide oversight and execution management for the ASARP. The JPC-5 consists of DoD and non-DoD medical and military technical experts relevant to the MOMRP area. MOMRP oversees an extensive portfolio of research aimed at developing effective countermeasures against stressors to maximize health, performance, and well-being throughout the deployment cycle. MOMRP psychological health and resilience research is focused on prevention, treatment, and recovery of Service Members' and Families' behavioral health which is critical to force health and readiness. The goal of the ASARP is to identify and develop new medications to improve treatment outcomes for alcohol and substance use disorders (ASUD), especially as related to traumatic brain injury (TBI) and post-traumatic stress disorder (PTSD). The program encourages the use of collaborative, multidisciplinary approaches to accelerate the translation of basic research into clinical trial studies. The program's approach is to organize multidisciplinary, team-based translational research efforts to: 1. Identify promising compounds; 2. Conduct proof-of-principle basic research to determine which compounds are most appropriate for human research trials; 3. Conduct human proof-of-principle trials with promising compounds. This approach should accelerate the translation of contemporary basic science knowledge into enhanced clinical pharmacological treatment protocols for ASUD, including a regulatory strategy for U.S. Food and Drug Administration (FDA) compliance.

W81XWH-14-ASARP-CA

- URL: <http://www.grants.gov/web/grants/search-grants.html?keywords=W81XWH-14-ASARP-CA>

Basil O'Connor Starter Scholar Research Award

March of Dimes

Due Date: 3/16/2015

This award is designed to support young scientists just embarking on their independent research careers. The applicants' research interests should be consonant with those of the March of Dimes' mission: The Mission of the March of Dimes is to improve the health of babies by preventing birth

defects, premature birth and infant mortality. The March of Dimes defines a birth defect as any abnormality of structure or function, whether inherited, or acquired in utero and presenting in infancy or early childhood. Deviations from reproductive health of women and men as an underlying basis of birth defects, i.e. preconceptional events, perinatal course, and premature births, are appropriate subjects for research support. Relevance is interpreted broadly to include fundamental cell biology (embryogenesis, cell lineage, differentiation), genetics and genomics, fundamental cellular and clinical pathogenesis of disorders of importance to mothers and infants, biomedical engineering and imaging, and social and behavioral aspects. Each application should be accompanied by a Letter of Support from a Nominator (see guidelines).

- URL: <http://www.marchofdimes.org/research-grants.aspx>

Genealogy of Life (GoLife)

National Science Foundation (NSF)

Due Date: 3/25/2015

Comprehensive understanding of life and how and why it changes over time depends on knowledge of the phylogeny (evolutionary relationships) of living and extinct organisms. The goals of the Genealogy of Life (GoLife) program are to resolve the phylogenetic history of all life's diverse forms and to integrate this genealogical architecture with underlying organismal and environmental data. The ultimate vision of this program is an open access, comprehensive Genealogy of Life that will provide the comparative framework necessary for testing questions in systematics, evolutionary biology, ecology, and other fields. Strategic integration of this genealogy of life with data layers from genomic, phenotypic, spatial, ecological and temporal data will produce an extensive synthesis of biodiversity and evolutionary sciences. The resulting knowledge infrastructure will enable synthetic research on biological dynamics throughout the *history* of life on Earth, within *current* ecosystems, and for predictive modeling of the *future* evolution of life. Projects submitted to this program should emphasize increased efficiency in contributing to a complete Genealogy of Life and strategic integration of various types of organismal and environmental data with phylogenies. This program also seeks to broadly train next generation, integrative phylogenetic biologists, creating the human resource infrastructure and workforce needed to tackle emerging research questions in comparative biology. Projects should train students for diverse careers by exposing them to the multidisciplinary areas of research within the proposal. **NSF 15-520**

- URL: http://www.nsf.gov/pubs/2015/nsf15520/nsf15520.htm?WT.mc_id=USNSF_25&WT.mc_ev=click

ROSES 2014: Rapid Response and Novel Research in Earth Science

NASA Headquarters — National Aeronautics and Space Administration (NASA)

Due Date: Proposals accepted through 3/31/2015

This program element solicits proposals that advance the goals and objectives of NASA's Earth Science Division by conducting unique research to investigate 1) unforeseen or unpredictable Earth system events and opportunities that require rapid response, and 2) novel new ideas of potential high merit and relevance for ESD science that have not otherwise been solicited by NASA in the past three years. **NNH14ZDA001N-RRNES**

- **URL:** <http://nspires.nasaprs.com/external/solicitations/summary.do?method=init&solId={3CDFB5A1-DE15-F011-E852-B4DDADA5169B}&path=open>

Postdoctoral Fellowships

American Cancer Society (ACS)

Due Date: 4/1/2015, 10/15/2015

This award is to support the training of researchers who have received a doctoral degree to provide initial funding leading to an independent career in cancer research (including basic, preclinical, clinical, cancer control, psychosocial, behavioral, epidemiology, health services and health policy research). Awards are for researchers with doctoral degrees. Individuals who have held a PhD or MD for more than four years at the time of application generally are not eligible for a Fellowship.

- **URL:** <http://www.cancer.org/research/applyforaresearchgrant/granttypes/postdoctoral-fellowships>

Proposals on Role of Health Care and Insurance in Improving Outcomes in Cancer Prevention

American Cancer Society (ACS)

Due Date: 4/1/2015

The [American Cancer Society](http://www.cancer.org) has released a Request for Proposals designed to stimulate research that will generate new knowledge of the effects of the United States healthcare system and the role of insurance on both access to and outcomes with respect to cancer screening, early detection, and treatment services. Studies that investigate how factors affecting access and outcomes interact – e.g. insurance status, costs, capacity, personal characteristics, provider characteristics, and/or components of the healthcare delivery system -- are encouraged. Studies may be conducted at the state, multi-state, or national levels, and/or otherwise involve large populations. If cross-sectional



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studies are proposed, analysis of both demographic and outcomes data – e.g., claims data linked with electronic health records, SEER data, state-level data, [National Center for Health Statistics](#), or other existing datasets – is preferred. Potential areas of investigation include but are not limited to how the structure and capacity of the healthcare system affect appropriate and timely access to cancer screening, early detection, treatment, and palliative care services; the provider and system factors that affect treatment patterns and quality of cancer care within the current healthcare systems; and the exploration of life course patterns of the entire spectrum of cancer care (from prevention and screening through diagnosis, treatment, survivorship, and supportive/palliative care) by linking diverse data sources for broad patient populations. Awards will not exceed \$200,000 per year (direct costs) for up to four years. To be eligible, applicants must be affiliated with nonprofit institutions located in the United States, its territories, or the Commonwealth of Puerto Rico; and U.S. citizens, noncitizen nationals, or permanent residents of the United States. Independent investigators at all stages of their career are encouraged to apply.

- URL: <http://www.cancer.org/research/applyforaresearchgrant/granttypes/rfa-role-healthcare-insurance-cancer>

Research Grants for Independent Investigators

American Cancer Society (ACS)

Due Dates: 4/1/2015, 10/15/2015

The Society supports investigator-initiated projects across the cancer research continuum. Institutional Research Grants are block grants averaging \$90,000 per year for three years given to institutions as "seed money" for the initiation of projects by promising junior investigators. Applicants must be independent, self-directed researchers within six years of their first academic appointment.

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

Integrative Paleoanthropology Grant (IPG)

National Science Foundation (NSF)

Due Date: 4/2/2015

The Biological Anthropology and Archaeology Programs are pleased to announce the continuation in 2015 of the Integrative Paleoanthropology Grants (IPG) competition. Prior competitions were held in 2012 and 2013. In 2015, contingent on availability of funds, the Programs plan to make a single award for a maximum total cost of \$1,000,000 to support a multi-year project of up to five years in duration. The goal of the competition is to further innovative, integrative research to elucidate hominin biological and behavioral evolution. The particular focus is on long term processes within hominin

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evolution and how they relate to major questions of paleoanthropological significance. While the intellectual scope of the competition is thus constrained, the potential methodologies and disciplines are not. It is understood, for example, that fields such as (but not limited to) cognitive science, genetics, and spatial or mathematical modeling may be directly relevant to such an endeavor. **PD 15-1392**

- **URL:**http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505181&WT.mc_id=USNSF_25&WT.mc_ev=click

Biological Technologies

U.S. Department of Defense (DoD) - Defense Advanced Research Projects Agency (DARPA)

Due Date: Proposal Abstracts and Full Proposals accepted on a rolling basis until 4/30/2015

The Defense Advanced Research Projects Agency (DARPA) is soliciting innovative research proposals of interest to the Biological Technologies Office (BTO). Proposed research should investigate leading edge approaches that enable revolutionary advances in science, technologies, or systems at the intersection of biology with engineering and the physical and computer sciences. Specifically excluded is research that primarily results in evolutionary improvements to the existing state of the art. BTO seeks unconventional approaches that are outside the mainstream, challenge assumptions, and have the potential to radically change established practice, lead to extraordinary outcomes, and create entirely new fields. The mission of BTO is to foster, demonstrate, and transition breakthrough fundamental research, discoveries, and applications that integrate biology, engineering, computer science, mathematics, and the physical sciences to expand the national security toolkit. BTO's investment portfolio goes far beyond life sciences applications in medicine to include areas of research such as human-machine interfaces, microbes as production platforms, and deep exploration of the impact of evolving ecologies and environments on U.S. readiness and capabilities. BTO's programs operate across a wide range of scales, from individual cells to the warfighter to global ecosystems. BTO responds to the urgent and long-term needs of the Department of Defense (DoD) and addresses national security priorities. The overarching goal is to develop, demonstrate, and transition biological-based technologies as part of the toolkit available to DARPA stakeholders. BTO is seeking novel approaches that will build technical communities that tap into sources of innovation both inside and outside traditional DoD performer communities. BTO encourages efforts that are creative and agile both in terms of the technologies proposed and in the structure of the approach.

DARPA-BAA-14-38

BTO is interested in submissions related to the following areas:

Developing radical new techniques and technologies to optimally restore and maintain the health and abilities of military service members.



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- Discovering and leveraging novel insights from neuroscience, psychology, cognitive science and related disciplines to advance treatment and resilience in neurological health and optimize human aptitude and performance.
- Understanding and improving interfaces between humans and the physical and biological world to enable optimal performance in complex environments.
- Developing and leveraging a fundamental understanding of the underlying design rules that govern biological system behavior.
- Developing new tools and techniques for forward engineering of biological systems (cells, tissues, organs, and organisms) to both develop new products and functional systems as well as to gain new insights into underlying mechanisms.
- Leveraging new computational techniques from computer science, big data, and biology to enable investigation and generation of knowledge from biological data at scale.
- Developing and validating new theories and computational models that identify factors and explain principles underlying collective and interactive behaviors of biological organisms at all scales from individual cells to the warfighter to global ecosystems.
- Understanding where there are inflection points in population and ecosystem behavior in order to preserve equilibrium, provide strategic opportunity, or avoid catastrophe.
- Developing and leveraging new insights into non-human biology across and between populations of microbes, plants, marine life, and other non-human biologic entities.
- Understanding how social, environmental, and biological factors converge to generate violence and conflict or lead to deterrence and influence.
- Radical new approaches towards countermeasure development for biological, chemical and/or radiological threats.
- Other biological technology topic areas which fit the scope of BTO's mission.

- [URL:https://www.fbo.gov/index?s=opportunity&mode=form&id=6d0dc4d2cd0df49872dbc98c89ea6071&tab=core&cvview=0](https://www.fbo.gov/index?s=opportunity&mode=form&id=6d0dc4d2cd0df49872dbc98c89ea6071&tab=core&cvview=0)

SOCIAL & BEHAVIORAL SCIENCES

OVW FY15 Grants to Reduce Sexual Assault, Domestic Violence, Dating Violence, and Stalking on Campus Program Solicitation

U.S. Department of Justice (DoJ) – Office on Violence Against Women (OVW)

Due Date: Letter of Registration (strongly encouraged) 3/2/2015; Application 3/20/2015

The Campus Program encourages a comprehensive coordinated community approach that enhances victim safety, provides services for victims and supports efforts to hold offenders accountable. The funding supports activities that develop and strengthen victim services and strategies to prevent,

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investigate, respond to and prosecute these crimes. The development of campus-wide coordinated responses involving campus victim service providers, law enforcement officers, health providers, housing officials, administrators, student leaders, faith-based leaders, representatives from student organizations, and disciplinary board members is critical. To be effective, campus responses must also link to local off-campus criminal justice agencies and service providers, including local law enforcement agencies, prosecutors' offices, courts, and nonprofit, nongovernmental victim advocacy and victim services organizations. Campuses are encouraged to create or revitalize large-scale efforts that treat sexual assault, domestic violence, dating violence, and stalking as serious offenses by adopting policies and protocols, developing victim services and programs that prioritize victim safety, ensuring offender accountability, and implementing effective prevention approaches. Colleges and universities should demonstrate to every student that these crimes will not be tolerated, that perpetrators will face serious consequences, and that holistic services are available for victims. **OVW-2015-4032**

- URL: <http://www.grants.gov/web/grants/view-opportunity.html?oppld=273408>

**Pilot Research Award for Learning Disabilities, supported by the Elaine Schlosser Lewis Fund
American Academy of Child & Adolescent Psychiatry (AACAP)
Due Date: 3/16/2015**

The [American Academy of Child and Adolescent Psychiatry](http://www.aacap.org) is seeking applications for the AACAP Pilot Research Award for Learning Disabilities. Supported by the Elaine Schlosser Lewis Fund, the program makes an annual award of \$15,000 to a child and adolescent psychiatry resident or junior faculty who has an interest in beginning a career in child and adolescent mental health research. The program is designed to support a young investigator at a critical stage and encourage his or her future career in child and adolescent psychiatry research. The award recipient is encouraged to work with a child and adolescent psychiatric investigator with expertise in his or her particular area of interest. To be eligible, candidates must either be an AACAP member or have a membership application pending (not paid by the award) and agree to submit a poster presentation on his or her research for AACAP's 63rd annual meeting in San Antonio, Texas, October 24-29, 2016. Candidates also must be board eligible/certified in child and adolescent psychiatry or enrolled in a child psychiatry residency or fellowship program and have a faculty appointment in an accredited medical school, or be in a fully accredited child and adolescent psychiatry clinical research or training program.

- URL: http://www.aacap.org/AACAP/Awards/Resident_and_ECP_Awards/AACAP_Pilot_Research_Award_for_Learning_Disabilities.aspx

Faculty/Post-Doctoral Research Grant Program

Fahs-Beck Fund for Research and Experimentation

Due Dates: 4/1/2015, 11/1/2015

Grants of up to \$20,000 are available to help support the research of faculty members or post-doctoral researchers affiliated with non-profit human service organizations in the United States and Canada. Areas of interest to the Fund are: studies to develop, refine, evaluate, or disseminate innovative interventions designed to prevent or ameliorate major social, psychological, behavioral or public health problems affecting children, adults, couples, families, or communities, or studies that have the potential for adding significantly to knowledge about such problems. The research for which funding is requested must focus on the United States and/or Canada or on a comparison between the United States and/or Canada and one or more other countries.

- URL: http://www.fahsbeckfund.org/pdf_files/Faculty-Post-Doc_Guidelines.pdf

2015 Visionary Grants

American Psychological Foundation

Due Date: 4/1/2015

The [American Psychological Foundation](http://www.apa.org) is accepting applications for its 2015 Visionary Grant program. APF Visionary Grants are designed to fund research, education, and projects and programs that apply psychology to social problems in four areas: understanding and fostering the connection between behavior and physical health to ensure well-being; reducing stigma and prejudice to promote unity and harmony; understanding and preventing violence to create a safer, more humane world; and supporting programs that address the long-term psychological needs of individuals and communities in the aftermath of disaster. To be eligible, applicants must demonstrate the competence and capacity to execute the proposed work and be affiliated with a 501(c)(3) nonprofit organization. In 2015, APF will award grants of up to \$20,000 to eligible projects.

- URL: <http://www.apa.org/apf/funding/visionary.aspx?tab=1>

STUDENTS

Space Life Sciences Training Program

National Aeronautics and Space Administration (NASA)

Due Date: 3/1/2015

The Space Life Sciences Training Program (SLSTP) provides undergraduate students entering their junior or senior years with professional experience in space life science disciplines. This challenging ten-week summer program is held at NASA's Ames Research Center in California's Silicon Valley. The primary goal of the program is to train the next generation of scientists and engineers, enabling NASA to meet future research and development challenges in the space life sciences. Admission is by competitive application process. U.S. Citizen undergraduate students who maintain a 3.2 or higher grade point average are invited to apply. Past student participants were selected for their merit, passion for space and desire to study space life science.

- URL: <http://www.nasa.gov/ames/research/space-life-sciences-training-program/>

Intramural NIGMS Postdoctoral Research Associate (PRAT) Program (F12)

National Institutes of Health (NIH) – National Institute of General Medical Sciences (NIGMS)

Due Date: 3/17/2015, 10/2/2015

The NIGMS Postdoctoral Research Associate (PRAT) Program's overarching goal is to provide high quality postdoctoral research training in the basic biomedical sciences, in NIH intramural research laboratories, to a diverse group of postdoctoral fellows to prepare them for leadership positions in biomedical careers. The research projects proposed should focus on NIGMS mission-related areas of basic biomedical science. These include cell biology, biophysics, genetics, developmental biology, pharmacology, physiology, biological chemistry, computational biology, technology development and bioinformatics. Studies employing model organisms are encouraged. The PRAT Program distinguishes itself by providing, in addition to the laboratory research experience, a structured training environment with extensive career development and networking opportunities planned and supported by this program. **PAR-15-094**

- URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-15-094.html>

Graduate Research Fellowship in Science, Technology, Engineering, and Mathematics

U.S. Department of Justice (DoJ) – National Institute of Justice (NIJ)

Due Date: 3/30/2015

The Graduate Research Fellowship in Science, Technology, Engineering, and Mathematics (GRF-STEM) provides awards to accredited academic institutions to support graduate research leading to doctoral degrees in areas that are relevant to ensuring public safety, preventing and controlling crime, and ensuring the fair and impartial administration of criminal justice in the United States. Applicant academic institutions sponsoring doctoral students are eligible to apply only if the doctoral dissertation research has direct implications for providing science-, technology-, engineering-, or mathematics-based solutions for issues that affect public safety, crime, and the fair and impartial administration of criminal justice in the United States. Academic institutions are encouraged to apply to support doctoral students in the Life Sciences, Chemistry, Physics, Geosciences, Materials Research, Engineering, Computer and Information Sciences and Engineering, and the Mathematical Sciences. Applications to support doctoral students from academic disciplines outside of the fields of the Life Sciences, Chemistry, Physics, Geosciences, Materials Research, Engineering, Computer and Information Sciences and Engineering, and the Mathematical Sciences **will not** be considered under this solicitation. Academic institutions with doctoral students whose research is in the area of social and behavioral sciences should instead consider submitting a proposal under the “NIJ Graduate Research Fellowship Program in the Social and Behavioral Sciences” solicitation. **NIJ-2015-3992**

- URL: <https://www.ncjrs.gov/pdffiles1/nij/sl001141.pdf>