The Proposal Development unit within the Office of Sponsored Programs publishes this notice on a bi-weekly basis. If you are interested in any of the opportunities listed, and would like assistance with a proposal, please contact Carol Brodie at 5-1328, carol.brodie@unlv.edu, Rm. 2105 SEB. Please see the Proposal Development website, http://www.unlv.edu/research/proposal for a complete list of our office’s services. An archive of these newsletters can be found at http://www.unlv.edu/research/archives

Announcements

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**Announcements**

**Recent Limited Submissions announcements are as follows:**

<table>
<thead>
<tr>
<th>Agency</th>
<th>Opportunity Title</th>
<th>Deadline to Notify OSP*</th>
</tr>
</thead>
<tbody>
<tr>
<td>NEH</td>
<td>Summer Stipends</td>
<td>8/19/2016</td>
</tr>
<tr>
<td>Oak Ridge Associated Universities (OARU)</td>
<td>Event Sponsorship Program</td>
<td>5/20/16</td>
</tr>
</tbody>
</table>

*Note: A pre-proposal is required upon notification to OSP of interest. Contact carol.brodie@unlv.edu for pre-proposal requirements.

**New NIH Application Guide**


The National Institutes of Health has updated their application guide for all proposals with due dates on or after May 25, 2016. A list of significant changes can be found at: http://grants.nih.gov/grants/how-to-apply-application-guide/forms-d/general/g.120-significant-changes.htm.

**Opportunities for Students**

**UNLV's Office of Undergraduate Research (OUR)** has information on their website about research and funding opportunities for undergraduate students. Check them out here: [http://www.unlv.edu/our](http://www.unlv.edu/our)

**Center for First-Year Experience and Students and Transition – Grants for Research Projects**

http://www.sc.edu/fye/research/grant/index.html

The National Resource Center for the First-Year Experience and Students in Transition is accepting applications from research projects aimed at improving the experiences of college students transitioning into and through higher education. The center will award a stipend of $5,000, plus travel to two national conferences, a presentation slot at a national conference, and priority consideration for publication, for a research project that supports and promotes research with the potential to have a national impact on student success. Topics may include but are not limited to underrepresented student populations, community colleges, the advising system, transfer and articulation, career development, and other issues related to college-student transitions. To be eligible, applicants must be a faculty or staff member or a graduate student at an institution of higher education in the United States who plans to conduct research on issues related to college-student transitions.

**Deadline:** July 1, 2016
Aspen Institute Social Innovation Program - Grants for Hearst Fellowship for Minority Students
http://www.aspeninstitute.org/policy-work/nonprofit-philanthropy/leadership-initiatives/hearst
The Aspen Institute Program on Philanthropy and Social Innovation in Washington, D.C., is accepting applications for the fall session of its William Randolph Hearst Endowed Fellowship program. The fellowship, which is based on academic excellence and need, is open to both undergraduate and graduate students of color. The Hearst Fellow serves as an intern with PSI in the Washington, D.C., office of the Aspen Institute. Through the program, PSI seeks to introduce a diverse group of students to issues and challenges affecting philanthropy, social enterprise, nonprofit organizations, and other actors in the social sector. In his or her internship, the Hearst Fellow undertakes research, writing, and logistical and administrative support for PSI’s leadership initiatives, public programs, and convenings. Recipients may arrange with their colleges or universities to receive academic credit for this experience.
Deadline: July 18, 2016

National Black MBA Association - Graduate Scholarship Program
http://www.nbmbaa.org/Programs/scholarships/
The National Black MBA Association® provides financial support to students pursuing careers in business, academia, and related professions. Since inception, more than $5 million has been awarded to undergraduate, graduate, and doctoral students. Our mission is to identify and increase the pool of Black talent for business, public, private, and non-profit sectors. The program is supported by donations from our corporate and educational partners and members. Scholarship awards range from $1,000 to $10,000 however award amounts are contingent upon funding for the current year.
Deadline: June 24, 2016

International Opportunities

US Agency for International Development - Sustainable Water Partnership
The goal of the SWP is to increase resilience to water security risk at the basin, sub-basin, or local catchment scale. The activity will be designed to support USAID and host country governments in safeguarding access to adequate quantities of acceptable quality water for sustaining livelihoods, human well-being, socioeconomic development, and the protection of ecosystem services that underpin these development objectives. The SWP will achieve these objectives through stakeholder-engaged processes of assessment, planning, and development of financing and partnership strategies to implement targeted measures to reduce vulnerability to priority risks both now and in the future.
Deadline: May 16, 2016

Department of State - A Program on International Water Cooperation
The Bureau of Oceans and International Environmental and Scientific Affairs’ (OES) Office of Conservation and Water at the U.S. Department of State, announces the Notice of Funding Opportunity (“NOFO”) for a program on international water cooperation. The agreements awarded may use U.S. Fiscal Year 2015 Economic Support Funds, subject to the availability of funds. The program on international water cooperation will improve cooperation over shared waters in regions where water is, or may become, a source of conflict. The program’s goal is to build political will and advance cooperative processes on shared waters where the lack of political commitment/engagement is an impediment to cooperative action on shared waters. Meeting this goal will increase shared prosperity and regional security.
Deadline: June 10, 2016

Department of State - Civil Society in Criminal Justice Sector Development
The United States Department of State, Bureau of International Narcotics and Law Enforcement Affairs, is seeking applications for a Cooperative Agreement to strengthen criminal justice institutions in Bosnia and Herzegovina (BiH) uphold the rule of law, and in particular fight organized crime and corruption. The purpose of this project is to strengthen BiH judicial, investigative, and prosecutorial capacity on financial crime-related cases (to include topics related to asset forfeiture and its role in prosecuting corruption) in a sustainable manner, such as by
involving the Judicial and Prosecutorial Training Centers (JPTCs) as appropriate. Project proposals can target any or all levels of government (e.g. state, entity, district, or cantonal levels).

**Deadline:** June 24, 2016

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**Arts and the Humanities**

**US Department of Education - Arts & Human Development Task Force Webinar**
May 4, 12 – 1 PT
A new arts education research funding opportunity from the U.S. Department of Education (ED) will support investigations into the links between arts education programs and policies and student educational and behavioral outcomes. Join the discussion of this new funding opportunity. Register for the webinar here: [https://www.arts.gov/event/2016/arts-human-development-task-force-may-2016](https://www.arts.gov/event/2016/arts-human-development-task-force-may-2016)

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

**Deadline:** October 5, 2016

**National Endowment for the Humanities - Humanities Collections and Reference Resources**
The Humanities Collections and Reference Resources (HCRR) program supports projects that provide an essential underpinning for scholarship, education, and public programming in the humanities. Thousands of libraries, archives, museums, and historical organizations across the country maintain important collections of books and manuscripts, photographs, sound recordings and moving images, archaeological and ethnographic artifacts, art and material culture, and digital objects. Funding from this program strengthens efforts to extend the life of such materials and make their intellectual content widely accessible, often through the use of digital technology. Awards are also made to create various reference resources that facilitate use of cultural materials, from works that provide basic information quickly to tools that synthesize and codify knowledge of a subject for in-depth investigation. HCRR offers two kinds of awards: 1) for implementation and 2) for planning, assessment, and pilot efforts (HCRR Foundations grants).

**Deadline:** July 19, 2016

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**Education, Business and Social Sciences**

**US Department of Education - Arts & Human Development Task Force Webinar**
May 4, 12 – 1 PT
A new arts education research funding opportunity from the U.S. Department of Education (ED) will support investigations into the links between arts education programs and policies and student educational and behavioral outcomes. Join the discussion of this new funding opportunity. Register for the webinar here: [https://www.arts.gov/event/2016/arts-human-development-task-force-may-2016](https://www.arts.gov/event/2016/arts-human-development-task-force-may-2016)
Department of Health and Human Services - Administration for Community Living -- Elder Justice Innovation Grants
http://www.grants.gov/web/grants/view-opportunity.html?oppId=283115
The Elder Justice Innovation Grants program supports the development and advancement of knowledge and approaches about new and emerging issues related to elder justice. Funded projects will contribute to the improvement of the field of elder abuse prevention and intervention at large, such as by developing materials, programs, etc. that can be widely disseminated and/or replicated, or by establishing and/or contributing to the evidence-base of knowledge. Through this program announcement, ACL plans to award four (4) cooperative agreements, ranging from $350,000 - $500,000 per year for a 24-month project period, to address the following priority areas:
- Self-Neglect
- Forensic Centers
- Abuse in Guardianship
- Elder Abuse in Indian Country
Deadline: June 20, 2016

Social Security Administration - Analyzing Relationships between Disability, Rehabilitation, and Work: A Small Grant Program
http://www.grants.gov/web/grants/view-opportunity.html?oppId=283158
SSA solicits applications from educational, policy, or research institutions for a grant program to distribute small stipends to graduate students for innovative research relevant to rehabilitation, work and the disability program. SSA management will identify suggested priority areas of interest. SSA funding will support graduate students in producing a thesis or written project that will expand knowledge and understanding of the disability program. The grant program will require that the institution assign an individual or team to serve as program manager to coordinate the research projects. The objective of the program is to foster new analysis of work, rehabilitation, and disability issues, which may develop innovative and fresh perspectives on disability. To assist the graduate students, SSA may provide guidance on disability issues that might be fruitful areas for research (see below for a list of potential topic areas).
Deadline: June 3, 2016

Department of Health and Human Services - Grants to Support the Hispanic Health Services Research Grant Program
http://www.grants.gov/web/grantsview-opportunity.html?oppId=283148
The Centers for Medicare & Medicaid Services (CMS) is announcing the availability of funds under this grant program to assist researchers in conducting health services research for 2016. The purpose of the Hispanic grant program is to implement Hispanic health services research activities to meet the needs of diverse CMS beneficiary populations. The grant program is designed to: 1) encourage health services and health disparities researchers to pursue research issues which impact Hispanic Medicare, Medicaid, and Children Health Insurance Program (CHIP) health services issues, 2) conduct outreach activities to apprise Hispanic researchers of funding availability to conduct research-related issues affecting Hispanic communities to expand the pool of applicants applying for such grants, 3) assist CMS in implementing its mission focusing on health care quality and improvement for its beneficiaries, 4) support extramural research in health care capacity development activities for the Hispanic communities, 5) promote research that will be aimed at developing a better understanding of health care services issues pertaining to Hispanics, and 6) foster a network for communication and collaboration regarding Hispanic health care issues.
Funding is available for grants to implement research related to health care delivery and health financing issues affecting Hispanics, including issues of access to health care, utilization of health care services, health outcomes, quality of services, cost of care, health disparities, socio-economic differences, cultural barriers, and activities related to health screening, prevention, outreach, and education.
Deadline: June 29, 2016

Center for First-Year Experience and Students and Transition – Grants for Research Projects
http://www.sc.edu/fye/research/grant/index.html
The National Resource Center for the First-Year Experience and Students in Transition is accepting applications from research projects aimed at improving the experiences of college students transitioning into and through
higher education. The center will award a stipend of $5,000, plus travel to two national conferences, a presentation slot at a national conference, and priority consideration for publication, for a research project that supports and promotes research with the potential to have a national impact on student success. Topics may include but are not limited to underrepresented student populations, community colleges, the advising system, transfer and articulation, career development, and other issues related to college-student transitions. To be eligible, applicants must be a faculty or staff member or a graduate student at an institution of higher education in the United States who plans to conduct research on issues related to college-student transitions.

**Deadline:** July 1, 2016

**Department of Justice - OJJDP FY 16 Practitioner-Researcher Partnership in Cognitive Behavioral Mentoring Program**


The purpose of this program is to support the development, implementation, and evaluation of innovative mentoring approaches for youth at high risk for delinquency/juvenile and criminal justice involvement or victimization and trauma. These mentoring approaches must incorporate practices that are informed by research on cognitive behavioral interventions and techniques. The program will fund a partnership between a practitioner/service provider and an evaluator/researcher. OJJDP expects to make separate awards to support program development and service delivery (Category 1) and evaluation activities (Category 2).

**Deadline:** June 13, 2016

**National Science Foundation - Robert Noyce Teacher Scholarship Program**


The National Science Foundation [Robert Noyce Teacher Scholarship Program](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5733) seeks to encourage talented science, technology, engineering, and mathematics majors and professionals to become K-12 STEM teachers. The program invites creative and innovative proposals that address the critical need for recruiting and preparing highly effective K-12 STEM teachers, especially in high-need local educational agencies. The program offers four tracks:

- **Track 1:** The Robert Noyce Teacher Scholarships and Stipends Track
- **Track 2:** The NSF Teaching Fellowships Track
- **Track 3:** The NSF Master Teaching Fellowships Track
- **Track 4:** Noyce Research Track.

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

**Deadline:** September 6, 2016

**National Science Foundation - Faculty Early Career Development (CAREER) Program**


The Faculty Early Career Development (CAREER) Program is a Foundation-wide activity that offers the National Science Foundation’s most prestigious awards in support of junior faculty who exemplify the role of teacher-scholars through outstanding research, excellent education and the integration of education and research within the context of the mission of their organizations. Such activities should build a firm foundation for a lifetime of leadership in integrating education and research. NSF encourages submission of CAREER proposals from junior faculty members at all CAREER-eligible organizations and especially encourages women, members of underrepresented minority groups, and persons with disabilities to apply.

**Deadlines:**
- July 20, 2016 (BIO, CISE, EHR)
- July 21, 2016 (ENG)
- July 22, 2016 (GEO, MPS, SBE)

**Administration for Children and Families - Personal Responsibility Education Program Innovative Strategies**


The Administration for Families and Children (ACF), Administration on Children, Youth and Families' (ACYF) Family and Youth Services Bureau (FYSB) will be accepting to develop, implement and test innovative adolescent pregnancy prevention strategies for the Personal Responsibility Education Program Innovative Strategies (PREIS). This program targets services to high-risk, vulnerable and culturally underrepresented youth populations. This
includes youth in foster care, homeless youth, youth with HIV/AIDS, pregnant and parenting women who are under 21 years of age and their partners, youth who have been trafficked, and youth residing in high teen birth rate areas. Projects are required to implement at least three of six adulthood preparation subjects: healthy relationships, adolescent development, financial literacy, parent-child communication, educational and career success, and healthy life skills.

**Deadline:** June 27, 2016

**State Justice Institute - Project Grant**

[http://www.sji.gov/grant-project.php](http://www.sji.gov/grant-project.php)

Project Grants are intended to support innovative education and training, demonstration, and technical assistance projects that can improve the administration of justice in State courts locally or nationwide. SJI is interested in funding both innovative programs and programs of proven merit that can be replicated in other jurisdictions. SJI is especially interested in funding projects that:

- Formulate new procedures and techniques, or creatively enhance existing procedures and techniques;
- Address aspects of the state judicial systems that are in special need of serious attention;
- Have national significance by developing products, services, and techniques that may be used in other states; and;
- Create and disseminate products that effectively transfer the information and ideas developed to relevant audiences in state and local judicial systems, or provide technical assistance to facilitate the adaptation of effective programs and procedures in other state and local jurisdictions.

**Deadlines:** Aug. 1, 2016; Nov. 1, 2016

**Department of Housing and Urban Development - Healthy Homes Technical Studies Grant Program**


HUD is funding studies to improve HUD's and the public's knowledge of housing-related health and safety hazards and to improve or develop new hazard assessment and control methods, with a focus on key residential health and safety hazards. HUD is especially interested in applications that will advance our knowledge on key healthy homes issues by addressing important gaps in the science related to the accurate and efficient identification of hazards and the implementation of cost effective hazard mitigation. HUD encourages applicants to consider using a community based participatory research (CBPR) approach, where applicable, in study design and implementation.

**Deadline for Pre-applications:** June 1, 2016

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**Science, Mathematics and Engineering**

**Department of Defense - Multidisciplinary Research Program of the University Research Initiative (FY17 ARMY SUBMISSION)**


DOD’s MURI program addresses high risk basic research and attempts to understand or achieve something that has never been done before. The program was initiated over 25 years ago and it has regularly produced significant scientific breakthroughs with far reaching consequences to the fields of science, economic growth, and revolutionary new military technologies.

White papers and full proposals addressing the following topics should be submitted to the Army Research Office:

- Topic 17 (ARO): Additive 3D Self-Assembly of Responsive Materials
- Topic 18 (ARO): Anyons in 2D materials and cold Atomic gases
- Topic 19 (ARO): Characterization of Information Content in Data for Multimodal Data Analysis
- Topic 20 (ARO): Nutritional and Environmental Effects on the Gut Microbiome and Cognition
- Topic 21 (ARO): Spectral Decomposition and Control of Strongly Coupled Nonlinear Interacting Systems
- Topic 22 (ARO): Toward Room Temperature Exciton-Polaritonics
- Topic 23 (ARO): Cyber Deception through Active Leverage of Adversaries’ Cognition Process

**Deadline for White Papers:** August 1, 2016
Defense Advanced Research Projects Agency - Biological Technologies
http://www.grants.gov/web/grants/view-opportunity.html?oppId=283365
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.
Deadline: Proposal Abstracts and Full Proposals will be submitted on a rolling basis until April 28, 2017

National Institutes of Health - Growing Great Ideas: Research Education Course in Product Development and Entrepreneurship for Life Science Researchers (R25)
The NIH Research Education Program (R25) supports research education activities in the mission areas of the NIH. The over-arching goal of this NIH R25 program is to support educational activities that enhance the training of a workforce to meet the nation’s biomedical, behavioral and clinical research needs. To accomplish the stated over-arching goal, this FOA will support creative educational activities with a primary focus on Courses for Skills Development.

This FOA solicits applications to develop and implement research education programs/short courses in entrepreneurship, innovation and product development specifically targeting bench life scientists. The institution proposing the course must be a research-intensive institution that has an established and well-recognized entrepreneurship teaching program with the demonstrated ability and willingness to adapt/develop and deliver the integrated curriculum for the academic life scientists, including scientists working in the field of drug abuse and addiction research. The short courses should primarily target independent academic neuroscience researchers and post-doctoral fellows interested in incorporating product (drug, device, diagnostics, research tool, mobile health application, etc.) development into their research programs with the goal of future commercialization.

Deadlines:
Letter of Intent: June 20, 2016
Application: July 20, 2016

National Science Foundation - Robert Noyce Teacher Scholarship Program
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5733
The National Science Foundation Robert Noyce Teacher Scholarship Program seeks to encourage talented science, technology, engineering, and mathematics majors and professionals to become K-12 STEM teachers. The program invites creative and innovative proposals that address the critical need for recruiting and preparing highly effective K-12 STEM teachers, especially in high-need local educational agencies. The program offers four tracks:

- Track 1: The Robert Noyce Teacher Scholarships and Stipends Track
- Track 2: The NSF Teaching Fellowships Track
- Track 3: The NSF Master Teaching Fellowships Track
- Track 4: Noyce Research Track.

In addition, Capacity Building proposals are accepted from proposers intending to develop a future Track 1, 2, or 3 proposal.
Deadline: September 6, 2016

National Science Foundation – Energy, Power, Control and Networks
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505249
To meet new challenges and societal needs, the Energy, Power, Control and Networks (EPCN) Program invests in systems and control methods for analysis and design of cyber-physical systems to ensure stability, performance, robustness, and security. Topics of interest include modeling, optimization, learning, and control of networked multi-agent systems, higher-level decision making, and dynamic resource allocation as well as risk management in the presence of uncertainty, sub-system failures and stochastic disturbances. EPCN also invests in adaptive dynamic programing, brain-like networked architectures performing real-time learning, and neuromorphic engineering. EPCN supports innovative proposals dealing with systems research in such areas as energy, transportation, and nanotechnology. EPCN places emphasis on electric power systems, including generation,
transmission, storage, and integration of renewables; power electronics and drives; battery management systems; hybrid and electric vehicles; and understanding of the interplay of power systems with associated regulatory and economic structures and with consumer behavior. Also of interest are interdependencies of power and energy systems with other critical infrastructures. Topics of interest also include systems analysis and design for energy scavenging and alternate energy technologies such as solar, wind, and hydrokinetic. The program also supports innovative tools and test beds, as well as curriculum development integrating research and education. In addition to single investigator projects, EPCN encourages cross-disciplinary proposals that benefit from active collaboration of researchers with complementary skills. Proposals for the EPCN program may involve collaborative research to capture the breadth of expertise needed for such multidisciplinary integrative activities.

**Deadline:** November 1, 2016  
**Supplements:** April 3, 2017 (ECCS REU/RET Supplements)

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

**Deadline:** November 1, 2016  
**Supplements:** April 3, 2017 (ECCS REU/RET Supplements)

**Department of Energy - Lighting Alternatives Maximizing Performance & Suitability (LAMPS)**  
The U.S. Department of Energy’s Building Technologies Office Emerging Technologies (ET) program is announcing a new program focused on developing higher-efficacy and cost-effective replacement lamps in general illumination applications. ET’s Lighting Alternatives Maximizing Performance and Suitability (LAMPS) program seeks to accelerate the development of replacement lamps that meet or exceed 45 lumens per watt, maintain the needed performance attributes of the incandescent lamps they replace, eliminate or minimize any performance compromises, and create suitable lighting options for incandescent lamps where none exist today.

**Deadlines:**  
Letter of Intent: May 6, 2016  
Applications: May 23, 2016

**Department of Energy - Renewable Energy to Fuels through Utilization of Energy-dense Liquids (REFUEL)**  
The purpose of this program is to develop scalable technologies for conversion of electrical or thermal energy from renewable sources into chemical energy contained in energy dense Carbon-Neutral Liquid Fuels (CNLF) that can be stored, transported, and later converted into hydrogen or electricity to provide power for transportation and distributed energy generation. The success of this program depends on developing technologies in two categories: (1) the synthesis of CNLFs using intermittent renewable energy sources and water and air (N2 and CO2) as the only chemical input streams and (2) the conversion of CNLFs delivered to the end point to another form of energy (e.g. hydrogen or electricity).

**Deadline for Concept Papers:** May 25, 2016

**Earthwatch Institute - Request for Research Proposals**  
[http://earthwatch.org/scientific-research/apply-for-funding/working-with-earthwatch](http://earthwatch.org/scientific-research/apply-for-funding/working-with-earthwatch)  
Earthwatch’s research proposal review process is guided by the organization’s mission of engaging people worldwide in scientific field research and education to promote the action necessary for a sustainable environment. Pre-proposals are accepted in the following fields:
National Science Foundation - Partnerships for Innovation: Accelerating Innovation Research-Technology Translation (PFI: AIR-TT)

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504790

The NSF Partnerships for Innovation (PFI) program within the Division of Industrial Innovation and Partnerships offers opportunities to connect new knowledge to societal benefit through translational research efforts and/or partnerships that encourage, enhance and accelerate innovation and entrepreneurship. The PFI: AIR-TT solicitation serves as an early opportunity to move previously NSF-funded research results with promising commercial potential along the path toward commercialization. Projects are supported to demonstrate proof-of-concept, prototype, or scale-up while engaging faculty and students in entrepreneurial/innovative thinking. The Principal Investigator (PI) or a co-PI must have had an NSF award that ended no more than 6-years prior to the chosen submission window's full proposal deadline date or be a current NSF award recipient. The proposed proof-of-concept or prototype/ scale-up must be derived from the research results and/or discoveries from this underlying NSF award.

Deadlines:
Letter of Intent: September 8, 2016; March 1, 2017
Proposal: October 11, 2016; April 3, 2017

National Science Foundation - Faculty Early Career Development (CAREER) Program

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503214

The Faculty Early Career Development (CAREER) Program is a Foundation-wide activity that offers the National Science Foundation’s most prestigious awards in support of junior faculty who exemplify the role of teacher-scholars through outstanding research, excellent education and the integration of education and research within the context of the mission of their organizations. Such activities should build a firm foundation for a lifetime of leadership in integrating education and research. NSF encourages submission of CAREER proposals from junior faculty members at all CAREER-eligible organizations and especially encourages women, members of underrepresented minority groups, and persons with disabilities to apply.

Deadlines:
July 20, 2016 (BIO, CISE, EHR)
July 21, 2016 (ENG)
July 22, 2016 (GEO, MPS, SBE)

National Science Foundation - Coupling, Energetics, and Dynamics of Atmospheric Regions (CEDAR)

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

CEDAR is a broad-based, community-guided, upper atmospheric research program. The goal is to understand the behavior of atmospheric regions from the middle atmosphere upward through the thermosphere and ionosphere into the exosphere in terms of coupling, energetics, chemistry, and dynamics on regional and global scales. These processes are related to the sources of perturbations that propagate upward from the lower atmosphere as well as to solar radiation and particle inputs from above. The activities within this program combine observations, theory and modeling.

Deadline: July 18, 2016

National Science Foundation - Dear Colleague Letter: Innovative Computational Infrastructure for Understanding the Brain


Through this Dear Colleague Letter (DCL), the National Science Foundation (NSF) Directorate for Computer and Information Science and Engineering (CISE) aims to support initial exploratory activities toward the creation of
comprehensive shared computational infrastructure solutions that are designed to transform the practice of collaborative neuroscience and enable systematic and grand-scale investigations of the brain and nervous system. NSF supports fundamental research across the broad spectrum of disciplines associated with Understanding the Brain (see [https://www.nsf.gov/brain](https://www.nsf.gov/brain), and is a partner in the federal "Brain Research through Advancing Innovative Neurotechnologies" (BRAIN) Initiative. In February 2016, NSF announced the intention to foster the development of national research infrastructure for neuroscience (i.e., "National Brain Observatory," NBO, effort) to support collaborative and team science for achieving a comprehensive understanding of the brain in action and context ([NSF 16-047](https://www.nsf.gov/brain)). Please refer to that DCL for NSF's overall interests and plans for NBO activities.

**Deadline:** Interested Principal Investigators (PIs) must email a 2-page (maximum) summary of their research ideas and planned activities to [nsf-brain-ci@nsf.gov](mailto:nsf-brain-ci@nsf.gov) by **May 20, 2016**.

**National Science Foundation - Communications, Circuits, and Sensing-Systems (CCSS)**


The Communications, Circuits, and Sensing-Systems (CCSS) program is intended to spur visionary systems-oriented activities in collaborative, multidisciplinary, and integrative research. CCSS supports systems research in hardware, signal processing techniques, and architectures to enable the next generation of cyber systems (CPS) that leverage computation, communication, and algorithms integrated with physical domains. CCSS offers new challenges at all levels of systems integration to address future societal needs. CCSS supports innovative research and integrated educational activities in micro- and nano-systems, communications systems, and cyber systems. Proposals for the CCSS program may involve collaborative research to capture the breadth of expertise needed for such multidisciplinary integrative activities. ECCS will consider supporting a limited number of small team proposals of three or more Investigators from different disciplines and/or universities.

**Deadlines:** **November 1, 2016**

Supplements: **Apr. 1, 2017** (REU/RET Supplements)

**Department of Housing and Urban Development - Healthy Homes Technical Studies Grant Program**


HUD is funding studies to improve HUD's and the public's knowledge of housing-related health and safety hazards and to improve or develop new hazard assessment and control methods, with a focus on key residential health and safety hazards. HUD is especially interested in applications that will advance our knowledge on key healthy homes issues by addressing important gaps in the science related to the accurate and efficient identification of hazards and the implementation of cost effective hazard mitigation. HUD encourages applicants to consider using a community based participatory research (CBPR) approach, where applicable, in study design and implementation.

**Deadline for Pre-applications:** **June 1, 2016**

**Department of Transportation - Pipeline Safety Research Competitive Academic Agreement Program (CAAP) 2016**


The Pipeline and Hazardous Materials Safety Administration (PHMSA), through the U.S. DOT, hereby requests applications from non-profit institutions of higher education to obtain funding to research innovative solutions to pipeline corrosion and other known pipeline integrity challenges.

**Deadline:** **June 9, 2016**

**Centers for Disease Control and Prevention - Radiation Health Protection and Measurements Involving Radiation or Radioactive Materials**


The purpose of this solicitation is to improve the understanding of radiation science to better protect the American public, workers and emergency responders from exposure to radiation from natural, environmental, medical, and occupational sources as well as nuclear disasters. The results of this work will help improve the understanding of radiation science by the radiation protection community and will assist making public health decisions by federal, state and local public health agencies.

**Deadline:** **July 1, 2016**

**US Department of Agriculture - Agriculture and Food Research Initiative: Food Safety Challenge Area**

This AFRI Challenge Area promotes and enhances the scientific discipline of food safety, with an overall aim of protecting consumers from microbial and chemical contaminants that may occur during all stages of the food chain, from production to consumption. This requires an understanding of the interdependencies of human, animal, and ecosystem health as it pertains to foodborne pathogens. The long-term outcome for this program is to reduce foodborne illnesses and deaths by improving the safety of the food supply, which will result in reduced impacts on public health and on our economy. In order to achieve this outcome, this program will support single-function Research Projects and multi-function Integrated Research, Education, and/or Extension Projects, and Food and Agricultural Science Enhancement (FASE) Grants that address one of the Program Area Priorities.

**Deadline:** August 3, 2016

### Medical/Health/Behavioral Sciences

**Robert Wood Johnson Foundation - Healthy Eating Research: Building Evidence to Prevent Childhood Obesity—Round 10**


*Healthy Eating Research: Building Evidence to Prevent Childhood Obesity* is a Robert Wood Johnson Foundation (RWJF) national program. The program supports research on environmental and policy strategies with strong potential to promote healthy eating among children to prevent childhood obesity, especially among groups at highest risk for obesity: black, Latino, American Indian, Asian/Pacific Islander, and children who live in lower-income communities (urban, suburban, and/or rural). Findings are expected to advance RWJF’s efforts to help all children achieve a healthy weight, promote health equity, and build a Culture of Health. This call for proposals (CFP) is for two types of awards aimed at providing advocates, decision-makers, and policymakers with evidence to reverse the childhood obesity epidemic. The award types are: Round 10 grants and RWJF New Connections grants awarded through the *Healthy Eating Research* program.  

**Deadlines for Concept Papers:** May 11, 2016; Aug. 3, 2016

**National Institutes of Health - Understanding HIV Rebound (P01)**


The purpose of this Funding Opportunity Announcement (FOA) is to support multi-disciplinary, Program Project applications aimed at understanding specific mechanisms, biomarkers, and pathways associated with rebound of HIV viremia. Research should focus on viral rebound in: 1) HIV/SIV-positive hosts who initiated antiretroviral therapy early after infection, had fully suppressed viremia for an extended period, and who later stopped therapy, 2) HIV/SIV-positive hosts receiving an intervention aimed at controlling or delaying HIV rebound, or 3) HIV/SIV-positive hosts receiving an intervention aimed at diminishing or eradicating viral reservoirs.

**Deadlines:**
Letter of Intent: June 29, 2016  
Application: July 29, 2016

**National Science Foundation - Dear Colleague Letter: Innovative Computational Infrastructure for Understanding the Brain**


Through this Dear Colleague Letter (DCL), the National Science Foundation (NSF) Directorate for Computer and Information Science and Engineering (CISE) aims to support initial exploratory activities toward the creation of comprehensive shared computational infrastructure solutions that are designed to transform the practice of collaborative neuroscience and enable systematic and grand-scale investigations of the brain and nervous system. NSF supports fundamental research across the broad spectrum of disciplines associated with Understanding the Brain (see [https://www.nsf.gov/brain](https://www.nsf.gov/brain)), and is a partner in the federal “Brain Research through Advancing Innovative Neurotechnologies” (BRAIN) Initiative. In February 2016, NSF announced the intention to foster the development of national research infrastructure for neuroscience (i.e., “National Brain Observatory,” NBO, effort) to support collaborative and team science for achieving a comprehensive understanding of the brain in action and context (NSF 16-047). Please refer to that DCL for NSF’s overall interests and plans for NBO activities.

**Deadline:** Interested Principal Investigators (PIs) must email a 2-page (maximum) summary of their research ideas and planned activities to nsf-brain-cl@nsf.gov by May 20, 2016.
The Lung Cancer Research Foundation’s grant program provides funding for innovative research focused on the prevention, diagnosis, treatment and cure of lung cancer. The Foundation encourages applications for projects investigating a wide variety of research topics, including:

- Prevention and screening for early detection
- Identification of new biomarkers and the development of targeted therapies
- The development of next-generation chemotherapeutic agents
- Supportive measures for people with lung cancer and their families
- Quality of care and outcomes research

**Deadline:** **July 1, 2016**