Funding Opportunities Newsletter
Office of Sponsored Programs
Proposal Development

November 14, 2014

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 51328, carol.brodie@unlv.edu. Please see the Proposal Development website, http://www.unlv.edu/research for a complete list of our office’s services.

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NSF Broader Impacts
Are you wondering how to address the Broader Impacts requirement of National Science Foundation proposals? Take a look at the examples recently provided by the NSF at: http://www.nsf.gov/od/iaa/special/broaderimpacts/?WT.mc_id=USNSF_51

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Internal Opportunity – Mountain West CTR-IN Visiting Scholar and Mini-Sabbatical Grants
The Mountain West CTR-IN invites proposals for two grant programs. Please see websites for additional information, or contact Dr. Jillian Inouye at jillian.inouye@unlv.edu.

Visiting Scholar Program
http://ctrin.unlv.edu/?page_id=410
The CTR-IN Education, Mentoring & Career Development KCA is offering the Visiting Scholar Program to New or Early-stage Investigators interested in building a research career in translational or clinical research. This program will award 3 to 5 grants of approximately $9,000 direct costs each.
Deadline: November 26, 2014

Mini-Sabbatical Program
http://ctrin.unlv.edu/?page_id=412
The Mini-Sabbatical Program will fund Mid-career and Senior Investigators interested in transitioning from basic science into translational or clinical research, or interested in pursuing a new direction in translational or clinical research. The M-S Program will award up to 4 grants of up to $20,000 each this year!
Deadline: November 26, 2014

Additionally, CTR-IN staff are available to help polish manuscripts for submission to peer-reviewed scientific journals and abstracts for national scientific meetings. This service does not require a fee.

- For access to CTR-IN Editing services, click on the link: http://bit.ly/1xanDWP
- You may also contact the Editor at: 702.895.1183 or, cynthia.delatorre@unlv.edu

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National Endowment for the Humanities - Media Projects: Development AND Production Grants


Development grants enable media producers to collaborate with scholars to develop humanities content and to prepare programs for production. Grants should result in a script or a design document and should also yield a detailed plan for outreach and public engagement in collaboration with a partner organization or organizations.


Production grants support the production and distribution of digital projects, films, television programs, radio programs, and related programs that promise to engage the public.

Media Projects grants support radio, and film and television formats:

- **Film and television projects** may be single programs or a series addressing significant figures, events, or ideas and drawing their content from humanities scholarship. The programs must be intended for national distribution. The program welcomes projects ranging in length from short-form to broadcast-length video.
- **Radio projects** may involve single programs, limited series, or segments within an ongoing program. They may also develop new humanities content to augment existing radio programming or add greater historical background or humanities analysis to the subjects of existing programs. They may be intended for regional or national distribution.

**Deadline for both:** **Jan. 14, 2015**

International Research & Exchanges Board - Short-Term Travel (in Europe and Eurasia) Grants Program


The Short-Term Travel Grants Program (STG) supports postdoctoral scholars and professionals to conduct independent or collaborative research in Eastern Europe and Eurasia. STG is designed to allow scholars to conduct short, targeted projects without significantly affecting their teaching and work schedules. Eligible countries of research focus are: Albania, Armenia, Azerbaijan, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Czech Republic, Estonia, Georgia, Hungary, Kazakhstan, Kosovo, Kyrgyzstan, Latvia, Lithuania, Macedonia, Moldova, Montenegro, Poland, Romania, Russia, Serbia, Slovakia, Slovenia, Tajikistan, Turkmenistan, Ukraine, and Uzbekistan.

**Deadline:** **November 17, 2014**

Department of State - Promoting Rule of Law in Georgia


The purpose of the funding opportunity is to strengthen the justice system to ensure due process, judicial independence, and the protection of human rights. This Activity will support the development of a justice system in Georgia that ensures the effective implementation of due process and judicial independence, as well as the protection of human rights.

USAID expects to award a cooperative agreement based on this RFA. The anticipated total federal funding amount is approximately $17,000,000.00. The period of performance is five years with an anticipated start date of April, 2015.

**Deadline:** **December 16, 2014**

Department of State - Building U.S.-India Ties through Small Grants


The U.S. Consulate General Public Affairs Section in Hyderabad, India is soliciting grant proposals that fall into the area specified in Section II below from non-governmental organizations, educational institutions, and other legally-
recognized non-profit institutions that meet U.S. and/or Indian technical and legal requirements to develop and implement educational and cultural programs as specified in Section II below. Information about the Public Affairs Section can be found at: http://hyderabad.usconsulate.gov. For more information, please see complete announcement.

Proposals can include, but are not limited to, projects, seminars, conferences, workshops, cultural (art, music, or theater) programs, exhibitions and outreach campaigns. Proposals must focus on one of the following three priorities of the U.S. Diplomatic Mission to India:

- Promote stronger U.S.-India bilateral relations, with an emphasis on business and people to people
- Encourage responsible Indian regional and global roles
- Enhance security cooperation

**Deadline:** December 15, 2014

**National Science Foundation - Law and Social Science**
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504727

The Law & Social Sciences Program considers proposals that address social scientific studies of law and law-like systems of rules. The Program is inherently interdisciplinary and multi-methodological. Successful proposals describe research that advances scientific theory and understanding of the connections between law or legal processes and human behavior. Social scientific studies of law often approach law as dynamic, made in multiple arenas, with the participation of multiple actors. Fields of study include many disciplines, and often address problems including though not limited to:

- Crime, Violence and Punishment
- Economic Issues
- Governance
- Legal Decision Making
- Legal Mobilization and Conceptions of Justice
- Litigation and the Legal Profession
- LSS provides the following modes of support:
  - Standard Research Grants and Grants for Collaborative Research
  - Doctoral Dissertation Research Improvement Grants
  - Interdisciplinary Postdoctoral Fellowships
  - Workshop and Conference Awards

LSS also participates in a number of specialized funding opportunities through NSF’s crosscutting and cross-directorate activities, including, for example:

- Faculty Early Career Development (CAREER) Program
- Research Experiences for Undergraduates (REU)
- Research at Undergraduate Institutions (RUI)
- Grants for Rapid Response Research (RAPID)
- Early-concept Grants for Exploratory Research (EAGER)

**Deadlines:**
- **February 4, 2015** (Dissertation Research, Standard and Collaborative Research and Interdisciplinary Postdoctoral Fellowships)
- **August 3, 2015** (Standard and Collaborative Research and Interdisciplinary Postdoctoral Fellowships); August 1, Annually Thereafter

**Russel Sage Foundation Future of Work Grant Program**
http://www.russellsage.org/research/future-work/funding_opportunity

The Russell Sage Foundation’s program on the Future of Work supports research on the causes and consequences of changes in the quality of jobs for less- and moderately-skilled workers in the United States. Research proposals are sought that will broaden the understanding of the role of changes in employer practices, the nature of the labor market and public policies on the employment, earnings, and the quality of jobs of American workers. The
foundation is especially interested in funding analyses of original qualitative and quantitative data sources, and novel uses of existing sources of data to address important questions about the interplay of market and non-market forces in shaping the wellbeing of workers, today and in the future.

**Deadline:** January 16, 2015

**Chemical Heritage Foundation - Beckman Center for the History of Chemistry -- Fellowships**


Generous pre- and postdoctoral fellowships are available for research on the history of chemistry, broadly construed. Fellowships are available for periods of 1 to 4 months (short-term fellows) or 9 months (long-term fellows) and are spent in residence at CHF in Philadelphia. Travel grants are available for shorter research projects. Projects funded in the past range from the history of Arabic alchemy and agricultural improvement to nanotechnology, pharmaceutical industry, and trans fats. Research proposals detailing the importance of CHF’s wide-ranging collections for the proposed project will be considered with particular care.

**Deadline:** January 15, 2015

**Department of Energy - Buildings University Innovators & Leaders Development (BUILD) - 2015**

http://www.grants.gov/web/grants/view-opportunity.html?oppId=269505

Funding Opportunity Announcement (FOA), DE-FOA-0001167 - Buildings University Innovators And Leaders Development (BUILD) - 2015 seeks to improve the competitiveness of American universities to conduct building energy efficiency R&D, develop strong industrial partnerships and improve manufacturing education. This FOA makes available competitive, 2-year cooperative agreements for teams at USA-based institutions of higher education to research and develop innovative building energy efficiency technologies. Teams of engineering and business students will develop and work toward commercializing building energy-efficient technologies or approaches. Teams may develop a technology (hardware), software, or a manufacturing process with direct application to residential, multi-family and/or commercial buildings in the USA, with significant primary energy savings potential.

**Deadlines:**

REQUIRED Concept Papers: December 19, 2014

Full Applications: February 11, 2015

**Department of Defense - Strategic Environmental Research and Development Program (SERDP) -- Resource Conservation and Climate Change Research**

http://www.serdp-estcp.org/Funding-Opportunities/SERDP-Solicitations

The Department of Defense’s (DoD) Strategic Environmental Research and Development Program (SERDP) is seeking to fund environmental research and development proposals. SERDP is DoD’s environmental science and technology program, planned and executed in partnership with the Department of Energy and the Environmental Protection Agency, with participation by numerous other Federal and non-Federal organizations. The Program invests across the broad spectrum of basic and applied research, as well as advanced development.

SERDP issues two annual solicitations. The Core Solicitation seeks proposals for basic and applied research, and advanced technology development. Core projects vary in cost and duration, consistent with the scope of the work proposed. The SERDP Exploratory Development (SEED) program is designed to investigate innovative approaches that entail high technical risk or require supporting data to provide proof of concept. SEED projects are limited to not more than $150,000 and are approximately one year in duration. SEED projects that are successful are considered for additional follow-on funding.

Proposals responding to focused Statements of Need (SON) in the following areas are requested:

- Environmental Restoration — Research and technologies for the characterization, risk assessment, remediation, and management of contaminants in soil, sediments, and water.
• Munitions Response — Technologies for the detection, classification, and remediation of military munitions on U.S. lands and waters.
• Resource Conservation and Climate Change — Research that advances DoD’s management of its natural and cultural resources and improves understanding of climate change impacts.
• Weapons Systems and Platforms — Research and technologies to reduce, control, and understand the sources of waste and emissions in the manufacturing, maintenance, and use of weapons systems and platforms.

**Deadlines:**
Core Solicitation: January 8, 2015
SEED Solicitation: March 10, 2015

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**Department of Defense - Air Force Research Laboratory -- Integrated Photonics Institute for Manufacturing Innovation**

This publication constitutes a special competition as contemplated in the Department of Defense Grants and Agreements Regulations (DoDGARS), Part 22.320. A formal Request for Proposals (RFP), or additional information regarding this announcement will not be issued.

The objective of this solicitation is to select an award recipient to establish an Integrated Photonics Institute for Manufacturing Innovation (IP-IMI). The IP-IMI will accelerate research, development, and demonstration in the manufacture of integrated photonic components and circuits; to include Institute initiatives in workforce development and technology demonstration. This Institute is envisioned to bring together large and small businesses, academia, and federal and state agencies to accelerate innovation by investing in industrially relevant manufacturing technologies. The IP-IMI will serve as a technical center of excellence, providing the innovation infrastructure to support integrated photonic manufacturing enterprises of all sizes and ensure that the U.S. photonics sector is a key pillar in an enduring and thriving U.S. economy.

The goal of the Institute is to 1) advance integrated photonic circuit manufacturing technology development through access to state-of-the-art fabrication, packaging and testing capabilities, 2) create an adaptive photonics workforce capable of meeting industry needs, further increasing domestic competitiveness, and; 3) meet participating commercial, defense and civilian agency needs in this burgeoning technology area.

**Deadlines:**
Concept Papers: December 19, 2014
Invited Full Proposals: March 31, 2015

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**Department of Defense - MULTI-INT RESEARCH INTIATIVES AT THE NAVAL POSTGRADUATE SCHOOL**

The Naval Postgraduate School Center for Multi-INT Studies (CMIS) has a bold vision to transform the field of intelligence and seeks to vastly improve the current state of the art in intelligence, surveillance and reconnaissance (ISR). To this end, CMIS supports innovative, independent research that has the potential to expand knowledge in related areas.

As real-time, accurate and actionable intelligence products are demanded by analysts, warfighters, and decision makers, linear, human-intensive processes are no longer sufficient. The capabilities of current and future adversaries and the dynamism and complexity of the environments in which they operate necessitate vast improvements in the timeliness and execution of intelligence-cycle processes.

The transformative technologies of interest are:
• Understanding targets as systems
• Orchestrated resource management
• Cognitive sensemaking
• Human-computer symbiosis

**Deadline:** This announcement will remain open until **September 30, 2015** or until replaced by a successor BAA. Proposals may be submitted at any time during this period. However, in order to be considered for a FY15 award, proposals should be submitted no later than **November 30, 2014.**

**National Science Foundation - Algorithms in the Field (AitF)**

Algorithms in the Field encourages closer collaboration between two groups of researchers: (i) theoretical computer science researchers, who focus on the design and analysis of provably efficient and provably accurate algorithms for various computational models; and (ii) applied researchers including a combination of systems and domain experts (very broadly construed – including but not limited to researchers in computer architecture, programming languages and systems, computer networks, cyber-physical systems, cyber-human systems, machine learning, database and data analytics, etc.) who focus on the particular design constraints of applications and/or computing devices. Each proposal must have at least one co-PI interested in theoretical computer science and one interested in any of the other areas typically supported by CISE. Proposals are expected to address the dissemination of the algorithmic contributions and resulting applications, tools, languages, compilers, libraries, architectures, systems, data, etc.

There are two classes of AitF projects with differing budget limits and project durations. Both classes of projects must involve two or more researchers (at least one focusing on algorithmic theory and at least one focusing on application), each providing different and distinct expertise relevant to the program’s goals related to theory and application.

- **FULL-SIZE (FULL) projects,** with total budgets up to $800,000 for up to four years.
- **EXPLORATORY (EXPL) projects,** with total budgets up to $400,000 for up to three years. EXPL projects are an opportunity to initiate smaller efforts that are exploratory in nature or limited in scope. Similar to NSF’s EAGER mechanism, the intent is to support work in its early stages on untested but potentially transformative research ideas or approaches.

**Deadline:** **February 9, 2015;** Second Monday in February, Annually Thereafter

**National Science Foundation - Benchmarks of Realistic Scientific Application Performance of Large-Scale Computing Systems (BRAP)**

NSF is interested in supporting activities by the NSF Cyberinfrastructure community in the analysis of existing benchmarks, and in the development of new benchmarks, that measure real-world performance and effectiveness of large-scale computing systems for science and engineering discovery.

NSF welcomes benchmarking proposals in the following general areas:

1. the analysis, evaluation, and assessment of the effectiveness of one or more existing benchmarks used in industry and academe today;
2. the development (including algorithm development and prototype implementation) and experimental use of one or more new benchmarks; or
3. workshops and community engagement events to advance discussion, dissemination, and community building around benchmarks.

Proposals focused in areas 1 and 2 must include some work in area 3. Industry engagement is encouraged.

**Deadline:** **February 2, 2015**
NSF Directorate for Mathematical & Physical Sciences CISE-MPS Interdisciplinary Faculty Program in Quantum Information Science
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504743

The CISE-MPS Interdisciplinary Faculty Program in Quantum Information Science is designed to promote research in the area of Quantum Information Science (QIS) by providing resources to allow QIS researchers and researchers from the CISE or MPS disciplines to actively engage in joint research efforts, addressing problems at the interface between the mathematical and physical sciences and computer and information sciences through long-term visits to a host institution.

The PI must be in a faculty position in his or her US home institution and must be prepared to spend a minimum of one contiguous semester working with the host’s group. The PI and host must be from substantially different environments, such that the collaborative activity represents a broadening of experience and a bona fide change in the research direction. PI and host must also be from different institutions, so that the interaction with the host research group represents a full immersion and not a part-time activity.

**Deadline:** February 2, 2015; December 7, 2015

National Science Foundation - Science of Science and Innovation Policy Doctoral Dissertation Research Improvement Grants
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505092

The Science of Science & Innovation Policy (SciSIP) program supports research designed to advance the scientific basis of science and innovation policy. Research funded by the program thus develops, improves and expands models, analytical tools, data and metrics that can be applied in the science policy decision making process. For example, research proposals may develop behavioral and analytical conceptualizations, frameworks or models that have applications across a broad array of SciSIP challenges, including the relationship between broader participation and innovation or creativity. Proposals may also develop methodologies to analyze science and technology data, and to convey the information to a variety of audiences. Researchers are also encouraged to create or improve science and engineering data, metrics and indicators reflecting current discovery, particularly proposals that demonstrate the viability of collecting and analyzing data on knowledge generation and innovation in organizations.

Among the many research topics supported are:

- examinations of the ways in which the contexts, structures and processes of science and engineering research are affected by policy decision,
- the evaluation of the tangible and intangible returns from investments in science and from investments in research and development,
- the study of structures and processes that facilitate the development of usable knowledge, theories of creative processes and their transformation into social and economic outcomes,
- the collection, analysis and visualization of new data describing the scientific and engineering enterprise.

**Deadlines:** February 9, 2015; September 09, 2015; September 9, Annually Thereafter

National Geographic Society - Expedition Grants
http://www.nationalgeographic.com/explorers/grants-programs/ec-apply/

The Expeditions Council is an editorially driven grant program that supports exploration and adventure worldwide. Proposed projects must have the potential to yield compelling stories and images. Applications are also judged on the qualifications of applicants and their teams, and on the project’s merit, uniqueness and safety protocols. The Council consists of representatives of National Geographic editorial divisions (magazines, television, books, website, and so on) who review and vote on grant applications, as well as an advisory board of external consultants.

The Expeditions Council offers its grantees the opportunity to work effectively with National Geographic’s many divisions. Grantees are therefore able to share the results of their expeditions with National Geographic’s global
audience. The Expeditions Council accepts pre-applications throughout the year and it must be submitted at least six months before anticipated project dates.

**Deadline:** This is a continuous application opportunity. Applications are considered in the order received.

**Centers for Disease Control and Prevention - Global Health Security Partnership Engagement: Expanding Efforts and Strategies to Protect and Improve Public Health Globally**


This Funding Opportunity Announcement (FOA) supports the implementation of programs and activities that focus on protecting and improving health globally through regional, national, and local partnerships. Its purpose is to support immediate response efforts for the current Ebola outbreak, other infectious disease outbreaks or health threats, and Public Health Emergencies of International Concern (PHEICs).

This FOA will also support systems building through the development, implementation and strengthening of public health surveillance systems, laboratory systems, emergency operation systems, workforce development, and health communications. It is intended to build capacities to prevent, detect, respond, and control infectious disease outbreaks, PHEICs, and other health threats.

Projects considered for this FOA should consider building upon existing public health infrastructure focusing on country priorities that are of mutual interest in order to strengthen regional and national partnerships, public health capacity, leadership, strategic collaboration and integrated health programming. In addition, projects must also consider monitoring and evaluation of overall program performance and the progress of projects or activities.

**Deadline:** November 17, 2014

**National Institutes of Health - NIBIB Quantum Program: Technological Innovation to Solve a Major Medical or Public Health Challenge (U01)**


The goal of the National Institute of Biomedical Imaging and Bioengineering (NIBIB) Quantum Program is to achieve a profound (quantum) advance over present-day approaches to the prevention, detection, diagnosis, and/or treatment of a major disease or national public health problem primarily through the development of biomedical engineering/biomedical imaging technologies. In order to realize a profound advance against a major disease or national public health problem, this announcement supports research to develop and prepare a target technology for clinical efficacy at the completion of Quantum funding (which may include up to two competitive renewals).

The NIBIB Quantum Program is intended to support development of biomedical technologies that will result in a profound paradigm shift in prevention, detection, diagnosis, and/or treatment of a major disease or national public health problem.

**Deadlines:**
- Letter of Intent: December 12, 2014; December 11, 2015; December 12, 2016
- Application: January 26, 2015; January 26, 2016; January 26, 2017
- AIDS Applications: May 7, 2015; May 7, 2016; May 7, 2017

**National Institutes of Health - Environmental Influences During Windows of Susceptibility in Breast Cancer Risk (U01)**


The overarching goal of the Breast Cancer and the Environment Research Program (BCERP) is to support integrated scientific research to enhance our knowledge of environmental and genetic factors underlying breast cancer risk. This funding opportunity will support transdisciplinary research projects to investigate the influence of environmental exposures during specific time windows of susceptibility on breast cancer risk. Applicants must propose transdisciplinary research project that addresses one or more potential windows of susceptibility and
facilitates the integration of experimental model and human studies to accelerate understanding of the contribution of environmental factors to breast cancer risk, the underlying mechanisms, and potential prevention strategies. Applications must also include community-academic partnerships with defined community engagement activities.

This program runs in parallel with RFA-ES-14-011 "Coordinating Center for the Breast Cancer and the Environment Research Program (U01)". Projects and the Coordinating center funded under these FOAs together will constitute the Breast Cancer and the Environment Research Program (BCERP). Collectively, the BCERP will form a consortium of multi-disciplinary teams that will work collaboratively to conduct high-quality, transdisciplinary research focused on the impacts of environmental exposures during specific windows of susceptibility on breast cancer risk. The BCERP Consortium will also develop and implement strategies to translate and communicate these research findings to appropriate stakeholders.

**Deadlines:**

- Letter of Intent: December 28, 2014
- Application: January 28, 2015

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**Oak Ridge Associated Universities - Faculty Research Participation at the Centers for Disease Control and Prevention**

[http://orise.orau.gov/cdc/default.html](http://orise.orau.gov/cdc/default.html)

The faculty component of the ORISE Research Participation Program provides research training and educational opportunities at CDC facilities to qualified faculty. The goal of the program is to link the CDC’s technologies with the academic community through college and university faculty; enhance the education programs offered by academic institutions; transfer CDC’s knowledge and technology to the academic community; and support the national commitment to science education. All ORISE Research Participation appointments enable faculty members to broaden their professional outlook beyond the classroom to the application of laboratory research.

The length of the faculty appointment may vary, with summer appointments for up to three months and sabbatical appointments for up to one year. Faculty appointments are served at a CDC facility under the direction of a research mentor. Stipends for faculty participants are based upon their regular university salary and paid directly to the university.

- **Deadline:** Rolling

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**National Institutes of Health - BRAIN Initiative: Planning for Next Generation Human Brain Imaging (R24)**


This funding opportunity announcement (FOA), in support of the NIH Brain Research through Advancing Innovative Neurotechnologies (BRAIN) Initiative, aims to support planning activities and the initial stages of development of entirely new or next generation brain imaging technologies and methods that will lead to transformative advances in our understanding of the human brain.

**Deadlines:**

- Letter of Intent: February 18, 2015
- Application: March 18, 2015

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**National Institutes of Health - Health Research with Diverse Populations (R01, R03, R21)**


The National Institutes of Health (NIH) is committed to supporting research that will increase scientific understanding of the health status of various population groups and improve the effectiveness of health interventions and services for individuals within those groups. High priority is placed on research on populations that appear to have distinctive health risk profiles but have received insufficient attention from investigators. This Funding Opportunity Announcement (FOA) highlights a particular community: lesbian, gay, bisexual, transgender,
intersex, and related populations (designated here as LGBTI populations). Basic, social, behavioral, clinical, and services research relevant to the missions of the sponsoring Institutes and Centers may be proposed.

Although the above link utilizes the R01 mechanism, it runs in parallel with two program announcements of identical scientific scope, PA-12-112, for Small Research Grants (R01) and PA-12-113, which uses the exploratory/developmental (R21) grant mechanism.

Deadlines:
R01: February 5, June 5, October 5.
R03, R21: February 16, June 16, October 16.
AIDS: May 7, September 7, January 7