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 review/editing assistance with a proposal, please contact the Office of Sponsored Programs, 5-1357, osp@unlv.edu. However, for opportunities from foundations, please contact Caleen Johnson at 5-2828, caleen.johnson@unlv.edu. 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.................................................................1
Opportunities for Students .................................................................1
Arts and the Humanities ...............................................................3
Education, Business and Social Sciences .............................................4
Science, Mathematics and Engineering ..............................................5
Medical/Health/Behavioral Sciences ................................................8

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>ORAU</td>
<td>Faculty Travel Grants Program</td>
<td>Ongoing</td>
</tr>
<tr>
<td>NSF</td>
<td>Research Experiences for Teachers (RET) in Engineering and Computer Science</td>
<td>August 11, 2017</td>
</tr>
<tr>
<td>NIH</td>
<td>Research Infrastructure for Centers Conducting Population Dynamics Science – FY 2018 (P2C)</td>
<td>August 14, 2017</td>
</tr>
<tr>
<td>NEH</td>
<td>Summer Stipend Program</td>
<td>August 18, 2017</td>
</tr>
<tr>
<td>NSF</td>
<td>CISE Research Infrastructure – Institutional Infrastructure Awards</td>
<td>August 25, 2017</td>
</tr>
<tr>
<td>NSF</td>
<td>Innovations in Graduate Education (IGE) Program</td>
<td>August 25, 2017</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.

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.

The Office of Sponsored Programs maintains a list of financial resources for both graduate and undergraduate students: http://www.unlv.edu/research/financial-resources-graduate-and-undergraduate-students

American Council of Learned Societies - Henry Luce Foundation/ACLS Program in China Studies
http://www.acls.org/programs/china-studies/
The Henry Luce Foundation/ACLS Program in China Studies in its sixth year seeks to maintain the vitality of China Studies in North America through fellowships and grants designed primarily for scholars early in their careers. Studies on and in China have developed over the last 30 years in the United States and Canada into a robust field, but current conditions pose daunting problems, especially for scholars just before and just after the dissertation. To address this situation, the program offers one competition for doctoral students:

- Predissertation-Summer Travel Grants, for graduate students who wish to conduct preliminary preparations in China prior to beginning basic research for the dissertation. These grants are not intended as extensions of the time devoted to basic research but to support the necessary steps to prepare for it. They are for graduate students—with a PhD prospectus in hand or developing one—seeking to
investigate the research currently underway in Chinese archives and field sites, to establish contact with
Chinese scholars, and to secure necessary permissions for fieldwork or archival research.
Applications in all disciplines of the humanities and related social sciences are welcome. The program supports the
study of Chinese culture and society in all periods. Research in Hong Kong, Tibet and Taiwan is eligible.
**Deadline:** November 8, 2017

**Consortium for Faculty Diversity in Liberal Arts Colleges – Dissertation Fellowships**
[http://www.gettysburg.edu/about/offices/provost/cfd/current-past-scholars/](http://www.gettysburg.edu/about/offices/provost/cfd/current-past-scholars/)

Applications are invited in all disciplines of the liberal arts. The dissertation fellowship is intended for scholars who
have completed all requirements for the Ph.D. or the M.F.A. except the dissertation. This fellowship is intended for
scholars in the final stage of their dissertation and aims, above all, to help the fellow complete the final
requirements for the degree during the year of residency. Dissertation fellows will receive compensation
equivalent to the compensation of a starting one-year instructor at the host institution. Modest funds could be
made available to finance proposed research and scholarship. Mentoring of teaching will be provided. Modest
funds, if available, allocated for these activities will be subject to the usual institutional procedures. Dissertation
fellows will be expected to teach the equivalent of one semester-long course during the academic year, participate
in functions such as departmental seminars, and interact regularly with students.
**Deadline:** October 31, 2017

**Medieval Academy of America - Medieval Academy Dissertation Grants**

Medieval Academy dissertation grants support advanced graduate students who are writing Ph.D. dissertations on
medieval topics. The $2,000 grants help defray research expenses such as the cost of travel to research collections
and the cost of photographs, photocopies, microfilms, and other research materials. All graduate students whose
primary research focuses on an aspect of medieval studies are eligible but if your topic deals with late-medieval
Britain (ca. 1350 - 1500), you should apply for a Schallek Award. Applicants must have received approval from their
dissertation committee for their projects by the application date.
**Deadline:** February 15

**Cayman Biomedical Research Institute – Undergraduate Research Grants**
[http://cabrimed.org/undergraduateResearchGrant.jsp](http://cabrimed.org/undergraduateResearchGrant.jsp)

The Cayman Biomedical Research Institute (CaBRI) is are offering grants to help undergraduate students fund a
research project in their major field of study. Qualified applicants will be offered grants ranging from $2,500-
$5,000. The research supported by the award should pertain to a relevant field of biological sciences with a goal
toward solving problems associated with unmet biomedical needs. Funds are to be used solely for research
performed by or travel for the undergraduate student.
**Deadline:** Both the undergraduate student and the Principal Investigator of the host research lab must submit
joint applications for the grant before September 21, 2017.

**Department of Energy - Los Alamos National Laboratory (LANL) -- Graduate Research Assistant (GRA) Program**

The Graduate Research Assistant (GRA) Program is a year-round educational program that provides students with
relevant research experience while they are pursuing a graduate degree. In some cases, students can arrange to
conduct masters or doctoral thesis research at the Laboratory. The majority of the appointments are in the
technical and scientific disciplines. Appointments are available for 90 days up to one year, with option for renewal
based upon program requirements.

**Armed Forces Communications and Electronics Association - Education Foundation Scholarships**
[https://www.afcea.org/site/education-foundation/scholarships](https://www.afcea.org/site/education-foundation/scholarships)
The AFCEA Educational Foundation has six general categories of scholarships available for undergraduate and
graduate students currently enrolled and attending full time at four-year colleges or universities in the United
States.
- **Diversity Graduate Scholarships:** Scholarships of $3,000 will be awarded to full-time students (women
  and minority students), enrolled in their second semester and at least two semester-equivalent
courses) currently pursuing a graduate degree at any accredited academic institution in the United States in an eligible major that supports the mission of AFCEA Educational Foundation. Deadline: April 20, 2018.

- **ROTC Scholarships**: ROTC scholarships, ranging from $2,000 to $3,000 each, are awarded to students enrolled full-time in C4I-related major and other specific related areas of study. Deadline: February 22, 2018

- **STEM Teacher Scholarships**: Competitive-based scholarships of $2,500 up to $5,000 each are available to students actively pursuing a graduate degree or credential/licensure for the purpose of teaching science, technology, engineering or math (STEM) subjects at a U.S. middle or secondary school. The scholarships are made possible by generous contributions from Booz Allen Hamilton, AFCEA International and several of AFCEA’s regional chapters. Deadline: April 20, 2018

- **STEM Major Scholarships**: Applicants will be considered for all AFCEA STEM Major scholarship opportunities for which they qualify. Applications will be accepted from current eligible undergraduate level students majoring in STEM fields to include cybersecurity, intelligence and homeland security-related disciplines. Online programs are eligible. Deadline: April 20, 2018

- **War Veterans Scholarships**: Merit-based scholarships of varying amounts will be awarded to persons on active duty in the uniformed military services and to honorably discharged U.S. military veterans (including Reservists and National Guard personnel) who are currently enrolled and attending classes part time or full time in an eligible degree program at an accredited four-year college or university in the United States. Deadline: November 15, 2017; April 2018

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### International Institute for Applied Systems Analysis - Young Scientists Summer Program

[http://www.iiasa.ac.at/web/home/education/ysssp/about.html](http://www.iiasa.ac.at/web/home/education/ysssp/about.html)

Since 1977, IIASA's annual 3-month Young Scientists Summer Program (YSSP) offers research opportunities to talented doctoral researchers whose interests correspond with IIASA’s ongoing research on issues of global environmental, economic and social change. From June through August accepted participants work within the Institute’s research programs under the guidance of IIASA scientific staff. Funding is provided through IIASA's National Member Organizations. The YSSP provides a unique opportunity to:

- advance your research under the direct supervision of an experienced IIASA scientist
- broaden your research interests by working in the IIASA interdisciplinary and international research environment;
- build contacts with IIASA’s worldwide network and collaborate with the institute during your future career
- produce a paper which will be the first step towards a publishable journal article

**Deadline**: Applications for the 2018 YSSP will be accepted 1 October 2017 - 15 January 2018.

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### Arts and the Humanities

**American Council of Learned Societies - Henry Luce Foundation/ACLS Program in China Studies**

[http://www.acls.org/programs/china-studies/](http://www.acls.org/programs/china-studies/)

The Henry Luce Foundation/ACLS Program in China Studies in its sixth year seeks to maintain the vitality of China Studies in North America through fellowships and grants designed primarily for scholars early in their careers. Studies on and in China have developed over the last 30 years in the United States and Canada into a robust field, but current conditions pose daunting problems, especially for scholars just before and just after the dissertation. To address this situation, the program offers two competitions for those who have achieved their doctoral degree:

- **Postdoctoral Fellowships**, for scholars who are preparing their PhD dissertation for publication, or who are embarking on new research projects; and
- **Collaborative Reading-Workshop Grants**, for scholars of different disciplines to investigate texts that constitute essential points of entry to Chinese periods, traditions, communities, or events in contemporary or historical times.

Applications in all disciplines of the humanities and related social sciences are welcome. The program supports the study of Chinese culture and society in all periods. Research in Hong Kong, Tibet and Taiwan is eligible.

**If you are interested in this opportunity, contact Caleen Johnson at 5-2828, caleen.johnson@unlv.edu**

**Deadline**: November 8, 2017
American Philosophical Society - Franklin Research Grants (for Travel for Research Purposes)
http://www.amphilsoc.org/grants/franklin
The American Philosophical Society awards small grants to scholars in order to support the cost of research leading to publication in all areas of knowledge. Franklin grants are made for noncommercial research. They are not intended to meet the expenses of attending conferences or the costs of publication.

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Deadlines:
October 2, for a January 2018 decision for work in February 2018 through January 2019
December 1, for a March 2018 decision for work in April 2018 through January 2019

National Endowment for the Humanities - Institutes for Advanced Topics in the Digital Humanities
The Institutes for Advanced Topics in the Digital Humanities program supports national or regional (multistate) training programs for scholars, humanities professionals, and advanced graduate students to broaden and extend their knowledge of digital humanities. Through this program NEH seeks to increase the number of humanities scholars and practitioners using digital technology in their research and to broadly disseminate knowledge about advanced technology tools and methodologies relevant to the humanities. The projects may be a single opportunity or offered multiple times to different audiences. Institutes may be as short as a few days and held at multiple locations or as long as six weeks at a single site.

Deadline: March 13, 2018

National Endowment for the Humanities - Summer Seminars and Institutes Grants
http://www.neh.gov/grants/education/summer-seminars-and-institutes
These grants support professional development programs in the humanities for school teachers and for college and university faculty. NEH Summer Seminars and Institutes may be as short as one week or as long as four weeks.

Summer Seminars and Institutes:
• provide models of excellent teaching;
• provide models of excellent scholarship;
• broaden and deepen understanding of the humanities;
• focus on the study and teaching of significant topics, texts, and other sources;
• contribute to the intellectual vitality of participants; and
• build communities of inquiry.

Deadlines:
Optional Draft Proposals: January 31, 2018
Application: March 1, 2018

Education, Business and Social Sciences

National Institutes of Health - Social Epigenomics Research Focused on Minority Health and Health Disparities (R01, R21)
The purpose of this Funding Opportunity Announcement (FOA) is to support and accelerate human epigenomic investigations focused on identifying and characterizing the mechanisms by which social experiences at various stages in life, both positive and negative, affect gene function and thereby influence health trajectories or modify disease risk in racial/ethnic minority and health disparity populations. Although the above link uses the R01 grant mechanism, it runs in parallel with a program announcement of identical scientific scope, PAR-16-356, which uses the R21 grant mechanism.

Deadline: November 15, 2017; November 15, 2018
Letter of Intent Due Date(s): 30 days prior to the application due date
PAR-16-355 Expiration Date November 16, 2018

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**Science, Mathematics and Engineering**

**Department of Energy - INNOVATIVE NATURAL-GAS TECHNOLOGIES FOR EFFICIENCY GAIN IN RELIABLE AND AFFORDABLE THERMOCHEMICAL ELECTRICITY GENERATION (INTEGRATE)**

The objective of the INTEGRATE Program is to reduce the cost and increase the primary energy efficiency associated with the provision of electric power to commercial and industrial end users. In this program, ARPA-E seeks to develop natural gas-fueled distributed electric generation systems that offer fuel to electric power conversion efficiencies in excess of 70%. The INTEGRATE program will focus on hybrid system designs that integrate a fuel cell with a heat or reactive engine for ultra-high efficiency at competitive costs. In pursuit of this, ARPA-E seeks to encourage the development of distributed generation systems of ≥100 kW that have electric efficiencies in excess of 70% on a lower heating value (LHV) basis and an installed cost to the end user of less than $1.8/W.

**Deadline for Concept Papers: September 11, 2017**

**National Science Foundation - Biomedical Engineering (BME)**

The goal of the Engineering of Biomedical Systems (EBMS) program is to provide research opportunities to develop novel ideas into discovery-level and transformative projects that integrate engineering and life sciences in solving biomedical problems that serve humanity in the long-term. EBMS projects must be at the interface of engineering and biomedical sciences and include objectives that advance both engineering and biomedical sciences. The projects should focus on high impact transformative methods and technologies. Projects should include: methods, models and enabling tools for understanding and controlling living systems; fundamental improvements in deriving information from cells, tissues, organs, and organ systems; or new approaches to the design of systems that include both living and non-living components for eventual medical use in the long-term. The program supports fundamental and transformative research in the following areas of biomedical engineering:

- Development of validated models (living or computational) of normal and pathological tissues and organ systems that can support development and testing of medical interventions
- Design of systems that integrate living and non-living components for improved diagnosis, monitoring, and treatment of disease or injury
- Advanced biomanufacturing of three-dimensional tissues and organs
• Design and subsequent application of technologies and tools to investigate fundamental physiological and pathophysiological processes

**Deadline: October 20, 2017; October 20, Annually Thereafter**

**National Science Foundation - Combustion and Fire Systems**
https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505329

The Combustion and Fire Systems program endeavors to create fundamental scientific knowledge and engineering solutions that are needed to develop useful combustion applications and for mitigating the effects of fire. The program aims to identify and understand the controlling basic principles and use that knowledge to create predictive capabilities for designing and optimizing practical combustion devices. Additional outcomes of interest for this program include: broad-based tools – experimental, theoretical, and computational – which can be applied to a variety of problems in combustion and fire systems; science and technology for clean and efficient generation of power, both stationary and mobile; combustion science and technology for energy-efficient manufacturing; research that enables clean global and local environments (reduction in combustion generated pollutants); enhanced public safety and homeland security through research on fire growth, inhibition and suppression; and education and training of an innovative workforce for power, transportation, and manufacturing industries.

**Deadline:** proposals will be accepted anytime, after August 20, 2017

**National Science Foundation – Process Separations**
https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505458

The Process Separations program supports research focused on novel methods and materials for separation processes, such as those central to the chemical, biochemical, bioprocessing, materials, energy, and pharmaceutical industries. A fundamental understanding of the interfacial, transport, and thermodynamic behavior of multiphase chemical systems as well as quantitative descriptions of processing characteristics in the process-oriented industries is critical for efficient resource management and effective environmental protection. The program encourages proposals that address long standing challenges and emerging research areas and technologies, have a high degree of interdisciplinary work coupled with the generation of fundamental knowledge, and the integration of education and research. Research topics of particular interest include fundamental molecular-level work on:

- Design of scalable mass separating agents and/or a mechanistic understanding of the interfacial thermodynamics and transport phenomena that relate to purification of gases, chemicals, or water
- Design or improvement of mass separation agents or processes that are based upon, and advance, transport principles
- Downstream purification of biologically derived chemicals for increased throughput
- Field (flow, magnetic, electrical) induced separations and other innovative approaches that address a significant reduction in energy and/or materials requirements in the process industries

**Deadline:** Full Proposal Accepted Anytime

**National Science Foundation - Japan-US Network Opportunity 2 (JUNO2): R&D for Trustworthy Networking for Smart and Connected Communities**

NSF and the National Institute of Information and Communications Technology (NICT) of Japan have agreed to embark on a collaborative research program to address compelling research challenges associated with enabling trustworthy networks supporting the Internet of Things and cyber-physical systems. This NSF solicitation parallels an equivalent NICT solicitation. Proposals submitted under this solicitation must describe joint research with counterpart Japanese investigators who are requesting funding separately under the NICT solicitation. This program seeks joint Japanese-US research projects that leverage each nation’s expertise and address the following work areas:

1) **Trustworthy IoT/CPS Networking**
   Developing the foundations for a future resilient edge cloud/network system to ensure trustworthy end-to-end networks, addressing such factors as the heterogeneity, characteristics, resource constraints and potential mobility of end devices/sensors, the diversity of access network technologies, the availability/placement of computing resources and Quality of Service (QoS) requirements.

2) **Trustworthy Optical Communications and Networking**
Addressing the need for trustworthy, high-availability, agile optical edge/access and integrated optical/wireless networks that are resilient against disasters, large traffic surges and other major disruptions.

**Deadline: November 30, 2017**

**Oak Ridge Associated Universities - Oak Ridge National Laboratory Innovation Crossroads**  
[https://innovationcrossroads.ornl.gov/](https://innovationcrossroads.ornl.gov/)

Innovation Crossroads is a new program at Oak Ridge National Lab that, in partnership with the U.S. Department of Energy, is providing a runway for the innovators who will disrupt the energy economy. Innovation Crossroads allows entrepreneurial researchers to be located at ORNL, tapping into some of the best scientific resources in the country while simultaneously injecting new ideas into the national lab. Innovators will also receive mentorship to develop their business models and be more prepared to launch an energy company.

**Deadline: October 30, 2017**

**National Security Agency - Mathematical Sciences Research Grants**  

The National Security Agency Mathematical Sciences Program (MSP) supports self-directed, unclassified research in the areas of Algebra, Number Theory, Discrete Mathematics, Probability, and Statistics. The program does not support research in cryptology. The Research Grants program offers two possible types of grants: the Young Investigators Grant and the Standard Grant.

**Deadline: October 30, 2017**

**National Aeronautics and Space Administration - Human Exploration Research Opportunities (HERO)**  

A National Aeronautics and Space Administration (NASA) Research Announcement (NRA), entitled, “Human Exploration Research Opportunities (HERO)” (80JSC017N0001), has been released. This NRA will solicit applied research in support of NASA’s Human Research Program (HRP). The research will fall into one or more categories corresponding to HRP’s five Elements: Space Radiation, Human Health Countermeasures, Exploration Medical Capability, Human Factors and Behavioral Performance, and International Space Station Medical Projects. This NRA covers all aspects of research to provide human health and performance countermeasures, knowledge, technologies, and tools to enable safe, reliable, and productive human space exploration. This NRA solicits proposals in response to the topic areas described in two appendices:

- **Appendix A:** NASA Research and Technology Development to Support Crew Health and Performance in Space Exploration Missions – Flagship proposals are solicited that address specific research emphases of the Space Radiation Element. These projects are expected to be two-year efforts.
- **Appendix B:** NASA Human Research Program Omnibus Opportunity - Proposals are solicited that address any of the risks listed in the Integrated Research Plan. In addition, basic investigations are solicited from new proposers that have not received HRP funding in the past. Omnibus projects are expected to last no more than one year.

**Deadline: Proposals accepted September 5, 2017 through September 7, 2018**

**U.S. – Israel Binational Science Foundation - Research Grants**  

This research grants program is the main program of the BSF. Applications to the program are made jointly by a US and an Israeli researcher(s) who would like to work together. No prior cooperation is required, but the synergy between the PIs must be evident. For 2017, the following areas of research will be eligible for submission:

- Biomedical Engineering
- Health Sciences (Medicine)
- Life Science
- Psychology

**Deadline: November 21, 2017**

**American Philosophical Society - Franklin Research Grants (for Travel for Research Purposes)**  
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**Medical/Health/Behavioral Sciences**

**National Institutes of Health - Loan Repayment Programs for Health Professionals**

The NIH Loan Repayment Programs (LRPs) are a set of programs established by Congress and designed to recruit and retain highly qualified health professionals into biomedical or biobehavioral research careers. The escalating costs of advanced education and training in medicine and clinical specialties are forcing some scientists to abandon their research careers for higher-paying private industry or private practice careers. The LRP counteracts that financial pressure by repaying up to $35,000 annually of a researcher’s qualified educational debt in return for a commitment to engage in NIH mission-relevant research.

**Deadline:** November 15, 2017

**National Institutes of Health - Social Epigenomics Research Focused on Minority Health and Health Disparities (R01, R21)**

The purpose of this Funding Opportunity Announcement (FOA) is to support and accelerate human epigenomic investigations focused on identifying and characterizing the mechanisms by which social experiences at various stages in life, both positive and negative, affect gene function and thereby influence health trajectories or modify disease risk in racial/ethnic minority and health disparity populations. Although the above link uses the R01 grant mechanism, it runs in parallel with a program announcement of identical scientific scope, PAR-16-356, which uses the R21 grant mechanism.

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