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 Carol Brodie at 5-1328, carol.brodie@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

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**Announcements**

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*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 some financial resources for both graduate and undergraduate students: http://www.unlv.edu/research/financial-resources-graduate-and-undergraduate-students

American Bar Foundation - ABF Doctoral / Postdoctoral Fellowships Program in Law & Inequality
http://www.americanbarfoundation.org/research/Fellowshipopportunities/LawandSoci...

The purpose of this fellowship is to encourage original and significant empirical and interdisciplinary research on the study of law and inequality. ABF will support several pre-doctoral fellowships and possibly a postdoctoral fellowship. Applications are invited from outstanding students who are candidates for the Ph.D. who have completed all doctoral requirements except the dissertation by September 1, 2017. In addition, applicants who will have completed the dissertation prior to September 1, 2017 are also welcome to apply. Doctoral or proposed research must be in the general area of sociological studies or involve social scientific approaches to the law, legal institutions, or legal processes. The research must address significant issues in the field and show promise of a major contribution to social scientific understanding of law and inequality. Students from underrepresented minority groups are especially encouraged to apply.

**Deadline:** January 15, 2017
Schlumberger Foundation - Faculty for the Future Fellowships -- Women from Emerging Economies in Physical Sciences
http://www.facultyforthefuture.net/
The Faculty for the Future program, launched in 2004, awards fellowships to women from developing and emerging economies to pursue PhD or Post-doctorate studies in science, technology, engineering and mathematics (STEM) disciplines at leading universities worldwide. The program’s long-term goal is to generate conditions that result in more women pursuing scientific careers by lowering the barriers women face when entering STEM disciplines, thus reducing the gender gap. Fellows are expected to return to their home countries after completion of their studies to contribute to economic, social and technological advancement.
Deadline: November 18, 2016

International Opportunities

Gladys Krieble Delmas Foundation - Grants for Independent Research in Venice and the Veneto
http://delmas.org/grants/venetian-program-grants/research-in-venice-application-...
The Foundation awards travel grants to individual scholars to support historical research specifically on Venice and the former Venetian empire, and for the study of contemporary Venetian society and culture. Disciplines of the humanities and social sciences are eligible areas of study, including (but not limited to) archaeology, architecture, art, bibliography, economics, history, history of science, law, literature, music, political science, religion, and theater.
Deadline: December 15

Arts and the Humanities

Yaddo Artists Community - Artists-in-Residence Program
http://yaddo.org/yaddo/ApplicationGuidelines.shtml
Yaddo is an artists' community located on a 400-acre estate in Saratoga Springs, New York. Its mission is to nurture the creative process by providing an opportunity for artists to work without interruption in a supportive environment. Yaddo offers residencies to professional creative artists from all nations and backgrounds working in one or more of the following media: choreography, film, literature, musical composition, painting, performance art, photography, printmaking, sculpture, and video. Five admissions panels consider applications in the following artistic disciplines to Yaddo:

1. Literature, including fiction, non-fiction, poetry, drama, translation, and librettos
2. Visual Art, including painting, drawing, sculpture, printmaking, photography, mixed media, and installation art
3. Music Composition, including instrumental forms, vocal forms, electronic music, music for film, and sound art
4. Performance, including choreography, performance art, multi-media and/or collaborative works incorporating live performance
5. Film and Video, including narrative, documentary and experimental films, animation, and screenplays

Deadlines: January 1, for residencies starting mid-May of the same year, through February of the following year.
August 1, for residencies starting late October of the same year through May of the following year.

Fitch (James Marston) Charitable Foundation - Mid-Career Grants in Historic Preservation
http://fitchfoundation.org/grants/fitch-kress/
Research grants of up to $15,000 will be awarded to one or two mid-career professionals who have an academic background, professional experience and an established identity in one or more of the following fields: historic preservation, architecture, landscape architecture, urban design, environmental planning, architectural history and the decorative arts. The James Marston Fitch Charitable Foundation will consider proposals for the research and/or the execution of the preservation-related projects in any of these fields. Grants are awarded only to individuals, not organizations.
Deadline: October 26, 2016
National Endowment for the Humanities - Scholarly Editions and Translations Grants
Scholarly Editions and Translations grants support the preparation of editions and translations of pre-existing texts of value to the humanities that are currently inaccessible or available in inadequate editions. Typically, the texts and documents are significant literary, philosophical, and historical materials; but other types of work, such as musical notation, are also eligible. Projects must be undertaken by at least one editor or translator and one other collaborating scholar.
Deadline: December 7, 2016

National Endowment for the Humanities - Collaborative Research Grants
http://www.neh.gov/grants/research/collaborative-research-grants
Collaborative Research Grants support interpretive humanities research undertaken by two or more collaborating scholars, for full-time or part-time activities for periods of one to three years. Support is available for various combinations of scholars, consultants, and research assistants; project-related travel; field work; applications of information technology; and technical support and services. All grantees are expected to disseminate the results of their work to the appropriate scholarly and public audiences. Eligible projects include:
- research that significantly adds to knowledge and understanding of the humanities;
- conferences on topics of major importance in the humanities that will benefit scholarly research; and
- archaeological projects that include the interpretation and dissemination of results.
Deadline: December 7, 2016

Education, Business and Social Sciences

Princeton University - Center for the Study of Democratic Politics (CSDP) Fellowships
http://www.princeton.edu/csdp/apply/
Princeton University's Center for the Study of Democratic Politics (CSDP) seeks visiting scholars for the 2017-2018 academic year. The Center supports empirical research on democratic political processes and institutions. Applications are welcome from political scientists and scholars in related social science disciplines at any career stage.
Deadline: November 30, 2016

National Science Foundation - Smart and Connected Communities (S&CC)
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505364
The goal of this Smart & Connected Communities (S&CC) solicitation is to support strongly interdisciplinary, integrative research and research capacity-building activities that will improve understanding of smart and connected communities and lead to discoveries that enable sustainable change to enhance community functioning. Unless stated otherwise, for the purposes of this year’s solicitation, communities are physical, geographically-defined entities, such as towns, cities, or incorporated rural areas, consisting of various populations, with a governance structure and the ability to engage in meaningful ways with the proposed research. This S&CC solicitation will support research projects in four categories:
- **S&CC Integrative Research Grants (IRGs) Track 1.** Awards in this category will support the conduct of fundamental, multidisciplinary, integrative research and the building of research capacity.
- **S&CC Integrative Research Grants Track 2.** Awards in this category will support the conduct of fundamental, multidisciplinary, integrative research and the building of research capacity.
- **S&CC Research Coordination Networks (RCNs).** Awards in this category support the establishment of a network of multidisciplinary researchers and others who will collectively and significantly advance S&CC research through active exchange of ideas, development of fundamental research directions, and other approaches.
- **S&CC Planning Grants.** Awards in this category will provide one year of support to stimulate research capacity through multidisciplinary team-building and the development of high-impact, fundamental research concepts.

Deadlines:
Preliminary Proposal: **November 30, 2016** (required for Integrative Research Grants Track 1 and Track 2) Full Proposal: **February 16, 2017**
Science, Mathematics and Engineering

Center for Craft, Creativity & Design - Materials-Based Research  
http://www.craftcreativitydesign.org/2017-materials-based-research-grants/  
Founded in 1996, the Center for Craft, Creativity & Design is a national nonprofit organization dedicated to advancing the field of craft by fostering new ideas, funding craft scholarship, and backing the next generation of makers, curators, and critics. Each year, CCCD administers the distribution of over a quarter million dollars in grants to those working in the craft field. As part of this mission, CCCD has issued a Request for Proposals for a new pilot grant initiative that aims to support the expanding definition of craft-based research and promote collaboration between the fields of craft, science, technology, engineering, and mathematics.

Through the Materials-Based Research Grant program, grants of up to $15,000 over eighteen months will be awarded to interdisciplinary teams of researchers to encourage mutually beneficial innovation in craft and STEM fields, with a focus on materials and process-based research. The teams should include one maker and one professional working in a STEM-based field (e.g., material science, manufacturing, environmental studies, medicine, structural engineering, etc.). This can include academics, researchers, scientists, full-time makers, or other skilled specialists.

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

Deadline: November 16, 2016

Defense Advanced Research Projects Agency - Reconfigurable Imaging (ReImagine)  
DARPA is soliciting research proposals to demonstrate multi-functional imaging sensors that are reconfigurable through software. Proposers will build around a common digital framework that can be customized for specific applications. Both passive and active modes are desired. Also of interest are proposals that develop adaptive algorithms that optimize the operation of a reconfigurable sensor in real time to optimize information collection.

Areas of Interest are:
1. Technical Area 1 (TA1): Single or multi-color passive imager architecture and algorithms
2. Technical Area 2 (TA2): Hybrid active/passive imager architecture and algorithms
3. Technical Area 3 (TA3): Innovative concepts for imaging systems with internal feedback

Deadline: November 10, 2016

Department of Energy - Sensor and Modeling Approaches for Enhanced Observability and Controllability of Power Systems with Distributed Energy Resources (DERs)  
The Department of Energy (DOE), National Energy Technology Laboratory (NETL), on behalf of the Office of Electricity Delivery and Energy Reliability (OE), is seeking applications under this Funding Opportunity Announcement (FOA) to conduct research, development and demonstrations (RD&D). This RD&D, in the areas of low cost sensors and improved modeling using sensor data input, will lead to enhanced observability and controllability of power systems to support increased hosting capacity for distributed energy resources (DERs), including energy storage. Capturing the benefits commonly attributed to DERs and/or microgrids, as well as establishing new value propositions that could be enabled by these RD&D efforts is the focus of this FOA.

Areas of Interest are:
- Topic Area 1: Low Cost, Low Maintenance Sensors
- Topic Area 2: Advanced Modeling, Data Analytic and Computational Approaches

Deadline: November 10, 2016

Simons Foundation - Collaboration Grants for Mathematicians  
https://simonsfoundation.org/funding-guidelines/current-funding-opportunities/co...  
The Simons Foundation’s Division for Mathematics and the Physical Sciences invites applications for grants to mathematicians primarily for collaboration and travel. The goal of the program is to support the ‘mathematical marketplace’ by substantially increasing collaborative contacts in the community of mathematicians working in the United States. The foundation will make a large number of grants to accomplished, active researchers who do not otherwise have access to substantial research funding that supports travel and visitors.
If you are interested in this opportunity, contact Caleen Johnson at 5-2828, caleen.johnson@unlv.edu

**Deadline: January 31, 2017**

**Department of Homeland Security - Nuclear Forensics Research Award**
http://www.grants.gov/web/grants/view-opportunity.html?oppid=289024  The National Nuclear Forensics Expertise Development Program (NNFEDP) within the U.S. Department of Homeland Security (DHS) works to build a nuclear forensics workforce of recognized technical experts and leaders through fostering scholastic and research collaboration between and among academia, the national and defense laboratories, and the National Technical Nuclear Forensics (NTNF) Interagency. The Nuclear Forensics Research Award (NFRA) supports the establishment of a team of faculty, students, and technical staff at the national or defense laboratories to conduct research in the field of nuclear forensics.

**Deadline: January 30, 2017**

**Environmental Protection Agency - Oil and Gas Development (OGD) in the Appalachian Basin**
https://www.epa.gov/research-grants/oil-and-gas-development-appalachian-basin

The U.S. Environmental Protection Agency (EPA) seeks applications for multidisciplinary research that will foster a better understanding of how the rapid increase of OGD activities in the Appalachian Basin may impact the surrounding environment and public health. Specifically, research projects are sought that can identify and quantify water quality impacts associated with OGD activities and inform related human and ecological exposures. The goal of this research is to develop and compile scientific information that will aid the public and private sectors in implementing environmental policies and best practices that develop oil and gas resources while protecting public health and the environment in the Appalachian Basin.

**Deadline: November 9, 2016**

**Environmental Research and Education Foundation - Research in Sustainable Solid Waste Management**
http://erefdn.org/research-grants-projects/how-to-apply-for-grant/

The sustainability movement has reached the business models of nearly every industry in the United States, and many companies, municipalities and states have set aggressive sustainability goals that include how waste stream are being managed. The EREF Board of Directors has set an initiative to ensure research funded reflects EREF’s long-term strategic plan to address all areas of integrated solid waste management, with a strong focus towards research that increased sustainable solid waste management practices. Pre-proposal topics must relate to sustainable solid waste management practices and pertain to the following topic areas:

- Waste minimization
- Recycling
- Waste conversion to energy, biofuels, chemicals or other useful products. This includes, but is not limited to, the following technologies:
  - Waste-to-energy
  - Anaerobic digestion
  - Composting
  - Other thermal or biological conversion technologies
  - Strategies to promote diversion to higher and better uses (e.g. organics diversion, market analysis, optimized material management, logistics, etc.)
- Landfiling

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

**Deadlines for Pre-proposals: January 6, June 1, annually**

**National Science Foundation - Smart and Connected Communities (S&CC)**
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505364

The goal of this Smart & Connected Communities (S&CC) solicitation is to support strongly interdisciplinary, integrative research and research capacity-building activities that will improve understanding of smart and connected communities and lead to discoveries that enable sustainable change to enhance community functioning. Unless stated otherwise, for the purposes of this year’s solicitation, communities are physical, geographically-defined entities, such as towns, cities, or incorporated rural areas, consisting of various populations, with a governance structure and the ability to engage in meaningful ways with the proposed research.
This S&CC solicitation will support research projects in four categories:

- **S&CC Integrative Research Grants (IRGs) Track 1.** Awards in this category will support the conduct of fundamental, multidisciplinary, integrative research and the building of research capacity.
- **S&CC Integrative Research Grants Track 2.** Awards in this category will support the conduct of fundamental, multidisciplinary, integrative research and the building of research capacity.
- **S&CC Research Coordination Networks (RCNs).** Awards in this category support the establishment of a network of multidisciplinary researchers and others who will collectively and significantly advance S&CC research through active exchange of ideas, development of fundamental research directions, and other approaches.
- **S&CC Planning Grants.** Awards in this category will provide one year of support to stimulate research capacity through multidisciplinary team-building and the development of high-impact, fundamental research concepts.

**Deadlines:**
- Preliminary Proposal: **November 30, 2016** (required for Integrative Research Grants Track 1 and Track 2.)
- Full Proposal: **February 16, 2017**

**National Science Foundation - Systems Science (SYS)**

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504788

The Systems Science (SYS) program supports fundamental research leading to a theoretical foundation for design and systems engineering. In particular, the Systems Science program seeks intellectual advances in which underlying theories (such as probability theory, decision theory, game theory, organizational sociology, behavioral economics or cognitive psychology) are integrated and abstracted to develop explanatory models for design and systems engineering in a general, domain-independent fashion. Ideally, the explanatory models, derived from the underlying theoretical foundations will lead to testable hypotheses. Based on collected evidence supporting or falsifying the hypotheses, new insights are gained allowing the explanatory models to be refined or updated.

Research topics of interest in SYS include, but are not limited to:

- Processes: Search Strategy, Guidance and Control
- Organizations: Decomposition, Communication and Incentivisation
- Modeling: Creation, Use and Assessment of Models
- Research Methodology

**Deadlines:** **January 13, 2017, September 15, 2017**

**National Science Foundation - Designing Materials to Revolutionize and Engineer our Future (DMREF)**


DMREF is the primary program by which NSF participates in the [Materials Genome Initiative (MGI) for Global Competitiveness](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505073). MGI recognizes the importance of materials science and engineering to the well-being and advancement of society and aims to "deploy advanced materials at least twice as fast as possible today, at a fraction of the cost." MGI integrates materials discovery, development, property optimization, and systems design with a shared computational framework. This framework facilitates collaboration and coordination of research activities, analytical tools, experimental results, and critical evaluation in pursuit of the MGI goals. The [MGI Strategic Plan](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505073) highlights four sets of goals:

- Leading a culture shift in materials science research to encourage and facilitate an integrated team approach;
- Integrating experimentation, computation, and theory and equipping the materials community with advanced tools and techniques;
- Making digital data accessible; and
- Creating a world-class materials science and engineering workforce that is trained for careers in academia or industry.

Accordingly, DMREF will support activities that accelerate materials discovery and/or development by building the fundamental knowledge base needed to design and make materials with specific and desired functional properties from first principles. This will be accomplished through forming interdisciplinary teams of researchers working synergistically in a "closed loop" fashion, building a vibrant research community, leveraging Big Data science, providing ready access to materials data, and educating the future MGI workforce. Specifically, achieving this goal will involve modeling, analysis, and computational simulations, validated and verified through sample preparation, characterization, and/or device demonstration. DMREF will enable development of new data analytic tools and statistical algorithms; advanced simulations of material properties in conjunction with new device functionality;
advances in predictive modeling that leverage machine learning, data mining, and sparse approximation; data infrastructure that is accessible, extensible, scalable, and sustainable; the development, maintenance, and deployment of reliable, interoperable, and reusable software for the next-generation design of materials; and new collaborative capabilities for managing large, complex, heterogeneous, distributed data supporting materials design, synthesis, and longitudinal study.

**Deadline:** January 17, 2017

### National Science Foundation - Smart and Autonomous Systems (S&AS)


The Smart and Autonomous Systems (S&AS) program focuses on Intelligent Physical Systems (IPS) that are cognizant, taskable, reflective, ethical, and knowledge-rich. The program welcomes research on IPS that are aware of their capabilities and limitations, leading to long-term autonomy requiring minimal or no human operator intervention. Example IPS include, but are not limited to, robotic platforms and networked systems that combine computing, sensing, communication, and actuation.

**Deadline:** December 19, 2016

### Medical/Health/Behavioral Sciences

#### Health Resources and Services Administration - Autism Single Investigator Innovation Program (Autism-SIIP)


The purpose of this call is to support the conduct of empirical research that advances the evidence base on interventions to improve the health and wellbeing of children and adolescents with autism spectrum disorders (ASD), with a special focus on addressing the needs of underserved populations. The programs will address the critical need that exists for research on the barriers to screening, diagnosis, and receipt of evidence-based interventions. This announcement includes instructions for (2) separate award competitions:

- **HRSA-17-013: Autism Field-Initiated Innovative Research Studies** supports research that advances the evidence base on interventions designed to improve the health and wellbeing of children and adolescents with ASD and other developmental disabilities, with a particular focus on addressing barriers to identification, diagnosis, and services among underserved populations.

- **HRSA-17-014: Autism Longitudinal Data Project** supports the implementation and completion of research studies that examine longitudinal data on ASD and other developmental disabilities to study risk factors of these conditions, the effects of various interventions, and trajectories of child development over the life course.

**Deadline:** November 17, 2016

#### National Palliative Care Research Center - Grants Programs

[http://www.npcrc.org/content/19/Funding-Opportunities.aspx](http://www.npcrc.org/content/19/Funding-Opportunities.aspx)

The National Palliative Care Research Center has three grant programs that they are currently seeking applications for:

- **The Pilot/Exploratory Project Support Grant Program** provides funding for investigators performing pilot/exploratory research studies that focus on improving care for seriously ill patients and their families. Investigators must conduct research projects whose purpose is to test interventions, develop research methodologies, and explore novel areas of research that are directly related to the Center’s core mission and stated 3 areas of interest. A condition of funding is a clearly defined plan as to how the investigator will use the results of the project to develop larger, extramurally funded research projects. Deadline for Letter of Intent: Nov. 7, 2016

- **Junior Faculty Career Development Award**: The National Palliative Care Research Center (NPCRC) is providing Junior Faculty Career Development Awards to allow junior faculty to have the protected time required to develop and conduct the pilot research necessary to be competitive for larger, extramurally funded awards. Proposed research must focus on improving care for patients with serious illness and their families in one of the three NPCRC key areas of interest: pain and symptom management, communication, and models of care for palliative care delivery. Deadline for Letter of Intent: Nov. 7, 2016
**Transition to Independence Award:** To promote the development of successful independent researchers working to improve the care of patients with serious illness, the NPCRC is requesting applications for its Hearst-NPCRC Transition to Independence Award (TIA). The aim of the TIA is to expand the cadre of palliative care researchers by extending research support to promising investigators completing a federal career development award whom have not yet achieved independence as measured by successful receipt of an NIH R01 award or equivalent. The TIA assures a continuum of support for turning promising junior investigators into independent researchers.

**Deadline:** For all three programs, the deadline for a Letter of Intent is **November 7, 2016**

**Progeria Research Foundation - Medical Research Grant**
[http://www.progeriaresearch.org](http://www.progeriaresearch.org)

The mission of the Progeria Research Foundation is to discover treatments and the cure for Progeria and its aging-related disorders. Progeria is a rare, fatal, “premature aging” disease that affects children, who die of heart disease (heart attacks or stroke) at an average age of 14 years - the same heart disease that affects millions of normal aging adults (atherosclerosis). Scientific studies have solidified biological links between Progeria, heart disease and aging. Investigation of the disease mechanism Progeria will help not only children with Progeria, but has implications for heart attacks, strokes and other aging-related conditions. PRF is seeking proposals that address the following priorities:

1. **Discovery of biological markers of disease in HGPS that can be assessed in human and/or mouse samples.** Highest priority will be given to those markers that can be assayed in easily obtainable human samples such as blood, urine, and cheek swabs. In addition, proposals that explore biomarker relevance to disease process and/or change in markers with disease treatment are encouraged.

2. **Discovery and/or testing of candidate treatment compounds in both cell based and mouse models of HGPS.** Of note, proposals should test compounds in a progerin-producing mouse model as the priority. Comparisons to other mouse models of disease, such as ZMPSTE24 -/- and other non-progerin producing mouse models is acceptable, but only as a comparison to progerin-producing models.

**Deadline:** **March 21, 2017**