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.

Proposal Writing Workshop
The UNLV Foundation invites you to attend a one-day grant proposal writing seminar. The goal of the seminar is to create better grant proposal writers, and to improve researcher chances to receive extramural funding. Those attending will learn best practices for writing grant proposals, especially when seeking private and corporate funding. Other sessions will cover preparation of government grant proposals and the OSP process. Note that preregistration is required – more information is available at https://netcommunity.unlv.edu/ProposalWritingSeminar

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
Women’s Congressional Policy Institute - Congressional Fellowships on Women and Public Policy
http://www.womenspolicy.org/our-work/congressional-fellows/
The Women’s Congressional Policy Institute has been the home for the Congressional Fellowships on Women and Public Policy since 2014 (formerly the WRIE Fellowships). The fellowships are extended each year to a select number of students pursuing a graduate degree or those who have recently completed a master’s, doctorate, or professional degree with a proven commitment to equity for women. Fellows gain practical policymaking experience and graduate credit as they work from January to August in Congressional offices. Deadline: June 1, 2017

The James S. McDonnell Foundation (JSMF) - 2017 21st Century Postdoctoral Fellowship in Understanding Dynamic and Multi-Scale Systems
https://www.jsmf.org/apply/fellowship/
The JSMF Fellowship is designed to provide students with an opportunity to seek potential postdoctoral research opportunities based on the student’s interest and desire to obtain additional skills and experience that will further their pursuit of careers in complex systems science. This fellowship is intended for Ph.D. students with theoretical and/or experimental training in Complex Systems Science that anticipate completing their graduate training in late 2017 or in 2018. Applicants should not have already identified a postdoctoral position and Applicants should not have already identified a postdoctoral position and a postdoctoral research mentor. Candidates from any country are eligible to apply. JSMF Fellowships can only be used to support postdoctoral training at a qualified institution. Deadlines Applications and letters of support will be accepted online beginning May 15, 2017. The deadline to submit all application materials is June 26, 2017, 15:59 CDT

Yelp - Dataset Challenge
https://www.yelp.com/dataset_challenge
Yelp engineers have developed a search engine to sift through over 61 million reviews and help people find the most relevant businesses for their everyday needs. Submissions should reflect creative uses of the Dataset Challenge Academic Dataset. Submissions must be originally developed or implemented, and must not violate or infringe on any applicable law or regulation or third party rights). Students who come up with an appealing project could win one of 10 awards for $5,000. Additionally, if the students publish a research paper about the winning research in a peer-reviewed academic journal, then they will be awarded an additional $1,000 as recognition of the publication. If the student is published, Yelp will also contribute up to $500 to travel expenses to present the research using Yelp data at an academic or industry conference. Deadline: June 30, 2017

Society for Neuroscience - Neuroscience Scholars Program
https://www.sfn.org/careers-and-training/diversity-programs/neuroscience-scholars-program
The Neuroscience Scholars Program is a two-year training program open to underrepresented graduate students and postdoctoral researchers. Building on the 30 year history of NSP, the program supports annual travel awards, mentoring, and the professional development of up to 15 candidates known as NSP Fellows. In addition, all eligible applicants will be invited to become NSP Associates, including those selected as NSP Fellows. The extensive two-year training program provides live events and webinars, a rich library of educational resources, and an online diversity affinity group of NSP mentors and alumni for seeking career connections and guidance. Events, webinars, and resources will focus on career advancement issues, topics related to research process, and cutting edge scientific content. Deadline: May 24, 2017

W.E. Upjohn Institute - Dissertation Award
The Upjohn Institute invites submissions for its annual prize for the best PhD dissertation on employment-related issues. A first prize of $2,500 is being offered. Up to two honorable mention awards of $1,000 may also be given.
The Institute supports and conducts policy-relevant research on issues related to employment, unemployment, and social insurance programs. The dissertation may come from any academic discipline, but it must have a substantial policy thrust.  
**Deadline:** July 7, 2017

**Environmental Protection Agency - Graduate Research Internship Program (GRIP) Opportunities at EPA**  
[https://www.epa.gov/research-fellowships/graduate-research-internship-program-grip-opportunities-epa](https://www.epa.gov/research-fellowships/graduate-research-internship-program-grip-opportunities-epa)

EPA is pleased to collaborate with the National Science Foundation (NSF) and other federal agencies to provide internship opportunities through the Graduate Research Internship Program (GRIP). GRIP provides NSF graduate fellows with internship opportunities for professional development and network expansion at federal facilities. At EPA, GRIP interns can grow professionally with a rewarding research experience and receive mentoring from scientists, all while focusing on the protection of human health and the environment. Opportunities will be offered by scientists in EPA's Office of Research and Development (ORD). Internships will range from 3 to 12 months. Students should review the current opportunities and contact the EPA researcher listed.  
**Deadline:** May 6, 2017

**International Opportunities**

**Department of State - FY2017-2018 English Language Teacher Training Project**  

The Embassy of the United States of America, Tokyo, Japan announces an open competition for an English teacher training program, which will award a grant of up to $320,000 to an organization to facilitate 1) a series of two-to-three-day intensive seminars for groups of Japanese elementary and secondary school teachers; 2) on-demand workshops by English Language Specialists as requested by local schools or Boards of Education; 3) a micro-grant program for alumni of U.S. Embassy-sponsored English teacher training programs.  
**Deadline:** May 26, 2017

**Arts and the Humanities**

**National Endowment for the Humanities - Digital Projects for the Public**  

Digital Projects for the Public grants support projects that cogently interpret and analyze humanities content in formats that will attract broad public audiences. The program offers three levels of support for digital projects: grants for Discovery projects (early-stage planning work), Prototyping projects (proof-of-concept development work), and Production projects (end-stage production and distribution work). All Digital Projects for the Public projects should

- present analysis that deepens public understanding of significant humanities stories and ideas;  
- incorporate sound humanities scholarship;  
- involve humanities scholars in all phases of development and production;  
- include appropriate digital media professionals;  
- reach a broad public through a realistic plan for development, marketing, and distribution;  
- create appealing digital formats for the public; and  
- demonstrate the capacity to sustain themselves.  

**Deadline:** June 7, 2017

**W. Eugene Smith Foundation - Howard Chapnick Grant (for the Advancement of Photojournalism)**  
[http://smithfund.org/howard-chapnick-grant](http://smithfund.org/howard-chapnick-grant)

The Howard Chapnick Grant is intended to encourage and support leadership in fields ancillary to photojournalism, such as editing research, education and management. The annual $5,000 grant may be used to finance any of a range of qualified undertakings, which might include a program of further education, research, a special long-term sabbatical project, or an internship to work with a noteworthy group or individual. According to the Fund's Board of Trustees, special consideration will be given to initiatives, organizations or projects that promote social change and/or serve significant concerns of photojournalism.  
**If you are interested in this opportunity, contact Caleen Johnson at 5-2828, caleen.johnson@unlv.edu**  
**Deadline:** May 31, 2017
J.M. Kaplan Fund - Furthermore Grants in Publishing
http://www.furthermore.org/
The Furthermore program is concerned with nonfiction book publishing about the city; natural and historic resources; art, architecture, and design; cultural history; and civil liberties and other public issues of the day. Our grants apply to writing, research, editing, design, indexing, photography, illustration, and printing and binding. Kaplan looks for work that appeals to an informed general audience; gives evidence of high standards in editing, design, and production; promises a reasonable shelf life; might not otherwise achieve top quality or even come into being; and represents a contribution without which we would be the poorer. Book proposals to which a university press or trade publisher is already committed and for which there is a feasible distribution plan are usually preferred.
If you are interested in this opportunity, contact Caleen Johnson at 5-2828, caleen.johnson@unlv.edu
Deadline: September 1, March 1

Education, Business and Social Sciences

National Institutes of Health - NIH Director’s New Innovator Award Program (DP2)
The NIH Director’s New Innovator Award (DP2) supports a small number of early stage investigators of exceptional creativity who propose bold and highly innovative new research approaches that have the potential to produce a major impact on broad, important problems in biomedical and behavioral research. The NIH Director’s New Innovator Award complements ongoing efforts by NIH and its Institutes and Centers to fund early stage investigators through R01 grants, which continue to be the major sources of NIH support for early stage investigators. Awardees are required to commit at least 25% of their research effort each year to activities supported by the New Innovator Award. Applicant organizations may submit more than one application, provided that each application is scientifically distinct. Only one application per PD/PI is permitted in response to this FOA.
Deadline: September 8, 2017

Department of Defense, Army Research Institute for the Behavioral and Social Sciences - Broad Agency Announcement for Basic Scientific Research (2017) -- W911NF-17-S-0007
https://www.grants.gov/web/grants/view-opportunity.html?oppId=293055
This Broad Agency Announcement (BAA) for the Foundational Science Research Unit (FSRU) of the U.S. Army Research Institute for the Behavioral and Social Sciences (ARI) solicits new proposals for its fiscal year 2017 program of basic research in behavioral science. Areas of interest are as follows:
1. Learning in Formal and Informal Environments
2. Leader Development
3. Personnel Testing and Performance
4. Organizational Effectiveness
5. Socio-Cultural Capabilities
6. Psychophysiology of Individual Differences
A key consideration in the decision to support a research proposal is that its findings are likely to stimulate new, basic behavioral research, which in turn, will lead to improved performance of Army personnel and their units. Proposals may address both traditional behavioral issues as well as psychophysiological (to include neuroscience) and network science approaches to social phenomena, memory, cognition, and personality.
Deadlines:
White Paper submissions will be considered until: 7 May 2017
Proposal submissions must be received by: 30 June 2017

Foundation for Child Development - Young Scholars Program
https://www.fcd-us.org/about-us/young-scholars-program/
The Young Scholars Program (YSP) supports policy and practice-relevant research that is focused on the early learning and development needs of the nation’s children who are growing up under conditions of economic insecurity and social exclusion. YSP encourages applications from scholars who are:
• Themselves from historically disadvantaged or underrepresented groups, e.g., first-generation college graduates and those from low-income communities.
• Scholars who represent a variety of disciplines and methodological approaches.

All proposed research should focus on the ways in which the knowledge, skills, and dispositions of the early care and education workforce can support young children’s growth and development from birth through age eight.

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

Deadline for Letter of Intent: June 5, 2017

Robert Wood Johnson Foundation - Systems for Action: Systems and Services Research to Build a Culture of Health

Systems for Action (S4A) is a national program of the Robert Wood Johnson Foundation (RWJF) that aims to discover and apply new evidence about ways of aligning the delivery and financing systems for medical, social, and public health services that support a Culture of Health. S4A uses a wide research lens that includes and extends beyond medical care and public health systems to include other sectors that affect health and well-being, such as housing, transportation, social services, education, criminal and juvenile justice, and economic and community development. The goal of this call for proposals (CFP) is to fund research that supports new scientific evidence on ways to optimize delivery and financing systems in ways that improve health and reduce inequities. This program, as well as RWJF’s other three signature research programs, Evidence for Action, Policies for Action, and Health Data for Action (launching April 19, 2017), are investigating the impact of different types of programs, policies, and health-related systems on health, equity and well-being.

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

Deadline: May 5, 2017

Department of Justice, National Institute of Corrections - Employment Retention Inventory Research Project

In 2010, the National Institute of Corrections (NIC) entered into an agreement with Learning Designs, Inc. to develop a competency-based training curriculum to provide practitioners with the knowledge and skills needed specific to employment retention services for justice involved adults. In addition to the curriculum, an Employment Retention Inventory (ERI) was developed to identify precursors to job loss and/or recidivism while creating a process for connecting targeted populations to specialized services that address their risk for job loss and recidivism successfully – with the understanding that programming should target justice involved adults found to be at medium/high risk for job loss and criminal activities. The initial validation study of the indicated promising results while adding to the body of knowledge currently available specific to offender workforce development.

The goal of this project is to determine whether the ERI effectively identifies the precursors, obstacles, and personality traits that influence an offender’s separation from the workforce. In addition, this project will explore the relationship between offender employment retention and recidivism.

Deadline: June 10, 2017

Department of Justice, National Institute of Corrections - Outcome and Performance Measures for Community Corrections

This competitive solicitation will fund the development of a document for the community corrections field containing clearly defined and easily calculable measures that can be used to gauge progress in 1) achieving mission and strategic goals, 2) improving fidelity to program design, service delivery and outcomes, and 3) enhancing the ability to illustrate community corrections’ value in an evidence –based criminal justice system. The deliverables from this cooperative agreement will contribute to the mission of NIC by promoting the ongoing development and advancement of correctional practices by developing a standardized approach to performance and outcome measurement for the community corrections (local and state probation) field.

Deadline: June 10, 2017

Smith Richardson Foundation - Strategy and Policy Fellows Program
https://www.srf.org/programs/international-security-foreign-policy/strategy-policy-fellows-program/
The Smith Richardson Foundation sponsors an annual Strategy and Policy Fellows grant competition to support young scholars and policy thinkers on American foreign policy, international relations, international security,
military policy, and diplomatic and military history. The purpose of the program is to strengthen the U.S. community of scholars and researchers conducting policy analysis in these fields. The Foundation will award at least three research grants of $60,000 each to enable the recipients to research and write a book. Within the academic community, this program supports junior or adjunct faculty, research associates, and post-docs who are engaged in policy-relevant research and writing. Within the think tank community, the program supports members of the rising generation of policy thinkers who are focused on U.S. strategic and foreign policy issues.

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

Deadline: June 23, 2017

American Council on Germany - Dr. Guido Goldman Fellowship for the Study of German and European Politics, Political Economy, and International Affairs
https://www.acgusa.org/fellowships/867-2/
The Dr. Guido Goldman Fellowships for the Study of German and European Economic and International Affairs support promising American academics whose research bears special significance for German economic and international policy within a wider European context. Fellows research the nuances of Germany’s role as an economic engine and political leader, both in Europe and in the global arena. Fellows receive a $7,500 stipend, which covers transatlantic airfare and domestic travel, as well as room and board, for a minimum of 28 days.

Deadline: June 30, 2017

Social Science Research Council - Negotiating Agreement in Congress Research Grants
The Negotiating Agreement in Congress Research Grants are designed to open a robust research field that explores various dimensions of political negotiation in Congress by charting new avenues of understanding and methodological directions. They seek to inspire a cohort of researchers with diverse backgrounds and sets of expertise to address the challenges of political negotiation through scholarship drawn from and/or relevant to multiple disciplines and approaches. Successful applicants will submit innovative proposals within fields that include, but are not limited to: political science, political theory, political economy, race and ethnic politics, law, history, gender studies, behavioral economics, social psychology, cognitive psychology, emotion and political judgment, anthropology, sociology, and communications.

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

Deadline: Sep. 15, 2017

Administration for Children and Families - Early Care and Education Research Scholars: Child Care Research Scholars
applications for Child Care Research Scholars grants to support dissertation research on child care policy issues. These grants are meant to build capacity in the research field to focus research on questions that have direct implications for child care policy decision-making and program administration, and to foster mentoring relationships between faculty members and high-quality doctoral students.

Deadlines:
Letter of Intent: May 15, 2017; March 1, 2018; March 1, 2019
Application: June 12, 2017; April 2, 2018; April 1, 2019

Administration for Children and Families - Early Care and Education Research Scholars: Head Start Graduate Student Research Grants
The Office of Planning, Research and Evaluation (OPRE) of the Administration for Children and Families (ACF) is soliciting applications for the Head Start Graduate Student Research Grants to support dissertation research by advanced graduate students who are working in partnership with Head Start programs and with faculty mentors. Competitive applicants will 1) demonstrate a collaborative partnership with their program partners, and 2) pursue research questions that directly inform local, state, or federal policy relevant to multiple early care and education practices.

Eligible applicants include institutions of higher education; applications from individuals are not eligible.

Deadlines:
Letter of Intent: May 15, 2017; March 1, 2018; March 1, 2019
Application: June 12, 2017; April 2, 2018; April 1, 2019
**Sociological Initiatives Foundation Grants**
http://www.sifoundation.org/guidelines/
The Sociological Initiatives Foundation was established to support research that furthers social change, including language learning and behavior and its intersection with social and policy questions. The Foundation specifically supports research that focuses on impacting:

**Social policy**
- Institutional and educational practices
- Linguistic issues (e.g. literacy, language loss and maintenance, language policy, language and national security, bilingualism, language and gender, language and law, language disabilities, language and health, language and education, different language cultures)
- Community capacity and the organization of previously unorganized groups

The Foundation supports projects that address institutional rather than individual or behavioral change. It seeks to fund research and initiatives that provide insight into sociological and linguistic issues that can be useful to specific groups and or communities. Grant sizes normally range from $10,000 to $20,000. The research should ideally build an organization or constituency’s potential to expand public knowledge, impact policy, and create social change.

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

**Concept Application Deadline:** August 15, 2017

**Bibliographical Society of America - New Scholars Program**
https://bibsocamer.org/awards/new-scholars-program/
The Bibliographical Society of America each year invites three scholars in the early stages of their careers to present twenty-minute papers on their current, unpublished research in the field of bibliography as members of a panel at the annual meeting of the Society, which takes place in New York City in late January. The New Scholars Program seeks to promote the work of scholars who are new to the field of bibliography, broadly defined to include any research that deals with the creation, production, publication, distribution, reception, transmission, and subsequent history of texts as material objects (print or manuscript).

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

**Deadline:** July 31

**US Department of Agriculture - Agriculture and Food Research Initiative - Resilient Agroecosystems in a Changing Climate Challenge Area**

The long-term goal for the AFRI Resilient Agroecosystems in a Changing Climate (RACC) Challenge Area is to sustainably increase agricultural productivity and the availability and accessibility of safe and nutritious food. In FY 2017, the AFRI RACC Challenge Area will invest in one priority area, Climate, Land Use, and Land Management. Through these investments, NIFA will address the understanding of underlying processes, drivers and consequences of land use change, including biophysical and biogeochemical processes, climate feedbacks and environmental outcomes, and social, behavioral, economic and land use interaction. In FY 2017, applications for the AFRI RACC Challenge Area are sought in the following priority area: Climate, Land Use, and Land Management

**Deadline:** July 13, 2017

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**Science, Mathematics and Engineering**

**Environmental Protection Agency - Wildland Fire Sensors Challenge**

Six federal agencies have announced a Wildland Fire Sensors Challenge seeking an accurate, lower-cost, and low-maintenance air quality monitoring system that can be used during a wildfire or controlled fire. The data provided by the sensor system will help federal, state, local and tribal agencies protect the health of first responders and communities affected by the smoke. Developers are encouraged to submit a prototype sensor system that measures fine particulate matter (PM2.5), carbon monoxide (CO), ozone (O3) and carbon dioxide (CO2). The system should be capable of rapid deployment and continuous real-time monitoring of highly dynamic air pollution levels during a fire event.

**Deadline:** Written submissions due by **November 22, 2017** and prototypes must be submitted by **January 5, 2018**
National Aeronautics and Space Administration - University Student Research Challenge (USRC) – A Pilot Project

Through this solicitation, the Transformative Aeronautics Concepts Program (TACP) seeks to develop novel concepts with the potential to create new capabilities in aeronautics by stimulating aeronautics research in the student community. TACP will provide students, from accredited U.S. colleges or universities, with grants for aeronautics projects that also raise cost sharing funds using crowdfunding platforms. The award will be made to the accredited U.S. institution (not to the students).

The project must be relevant to the Aeronautics Research Mission Directorate (ARMD) Strategic Implementation Plan and address one of ARMD’s six strategic thrusts as they affect aviation:
1. Safe, Efficient Growth in Global Operations
2. Innovation in Commercial Supersonic Aircraft
3. Ultra-Efficient Commercial Vehicles
4. Transition to Low-Carbon Propulsion
5. Real-Time System-Wide Safety Assurance
6. Assured Autonomy for Aviation Transformation

Deadline: October 16, 2017

National Science Foundation - Biological and Environmental Interactions of Nanoscale Materials
https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505424

The goal of the Biological and Environmental Interactions of Nanoscale Materials program is to support research to advance fundamental and quantitative understanding of the interactions of biological and environmental media with nanomaterials and nanosystems. Materials of interest include one- to three-dimensional nanostructures, heterogeneous nano-bio hybrid assemblies, and other nanoparticles. Such nanomaterials and systems frequently exhibit novel physical, chemical, and biological behavior in living systems and environmental matrices as compared to the bulk scale. This program supports research that explores the interaction of nanomaterials in biological and environmental media. Research areas supported by the program include:
- Characterization of interactions at the interfaces between nanomaterials and nanosystems with surrounding biological and environmental media, including both simple nanoparticles and complex and/or heterogeneous composites;
- Development of predictive tools based on the fundamental behavior of nanostructures within biological and ecological matrices to advance cost-effective and environmentally benign processing and engineering solutions over full life material cycles;
- Examining the transport, interaction, and impact of nanostructured materials and nanosystems on biological systems;
- Simulations of nanoparticle behavior at interfaces, in conjunction with experimental comparisons, and new theories and simulation approaches for determining the transport and transformation of nanoparticles in various media.

Deadline: Full Proposal Accepted Anytime

National Science Foundation - Enriched Doctoral Training in the Mathematical Sciences (EDT)
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505083

The long-range goal of the Enriched Doctoral Training in the Mathematical Sciences (EDT) program is to strengthen the nation’s scientific competitiveness by increasing the number of well-prepared U.S. citizens, nationals, and permanent residents who pursue careers in the mathematical sciences and in other professions in which expertise in the mathematical sciences plays an increasingly important role. The EDT program will achieve this by supporting efforts to enrich research training in the mathematical sciences at the doctoral level by preparing Ph.D. students to recognize and find solutions to mathematical challenges arising in other fields and in areas outside today’s academic setting. Graduate research training activities supported by EDT will prepare participants for a broader range of mathematical opportunities and career paths than has been traditional in U.S. mathematics doctoral training.

Deadline: July 12, 2017
National Science Foundation - Mathematical Sciences Research Institutes
https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5302
Mathematical Sciences Research Institutes are national resources that aim to advance research in the mathematical sciences through programs supporting discovery and dissemination of knowledge in mathematics and statistics and enhancing connections to related fields in which the mathematical sciences can play important roles. Institute activities help focus the attention of some of the best mathematical minds on problems of importance and timeliness. Institutes are also community resources that involve a broad segment of U.S.-based mathematical sciences researchers in their activities. The goals of the Mathematical Sciences Research Institutes program include advancing research in the mathematical sciences, increasing the impact of the mathematical sciences in other disciplines, and expanding the talent base engaged in mathematical research in the United States.
Deadlines:
Letter of Intent (required): December 14, 2018; December 14, 2023
Proposal: March 14, 2019; March 14, 2024

National Science Foundation - Research in the Formation of Engineers (RFE)
https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503584
The goal of the Research in the Formation of Engineers (RFE) program is to advance our understanding of professional formation. It seeks to both deepen our fundamental understanding of the underlying processes and mechanisms that support professional formation and to demonstrate how professional formation is or can be accomplished. Professional Formation includes, but is not limited, to:

- Introductions to the profession at any age;
- Development of deep technical and professional skills, knowledge, and abilities in both formal and informal settings/domains;
- Development of outlooks, perspectives, ways of thinking, knowing, and doing;
- Development of identity as an engineer and its intersection with other identities; and
- Acculturation to the profession, its standards, and norms.

RFE welcomes proposals in two categories: 1) Research Projects and 2) Design and Development Projects. Research Projects address fundamental questions of professional formation, while Design and Development Projects provide new approaches to achieving professional formation.
Deadlines: September 27, 2017; January 24, 2018

National Science Foundation - Computer and Information Science and Engineering (CISE) Research Initiation Initiative (CRII)
https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504952
With the goal of encouraging research independence immediately upon obtaining one’s first academic position after receipt of the PhD, the Directorate for Computer and Information Science and Engineering (CISE) will award grants to initiate the course of one’s independent research. Understanding the critical role of establishing that independence early in one’s career, it is expected that funds will be used to support untenured faculty or research scientists (or equivalent) in their first three years in a primary academic position after the PhD, but not more than a total of five years after completion of their PhD.
Deadline: August 9, 2017

National Science Foundation - Plant-Biotic Interactions
https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505267
The Plant Biotic Interactions (PBI) program supports research on the processes that mediate beneficial and antagonistic interactions between plants and their viral, bacterial, oomycete, fungal, plant, and invertebrate symbionts, pathogens and pests. This joint NSF-NIFA program supports projects focused on current and emerging model and non-model systems, and agriculturally relevant plants. The program’s scope extends from fundamental mechanisms to translational efforts, with the latter seeking to put into agricultural practice insights gained from basic research on the mechanisms that govern plant biotic interactions. Projects must be strongly justified in terms of fundamental biological processes and/or relevance to agriculture and may be purely fundamental or applied, or include aspects of both perspectives.
Deadline: September 1, 2017
Proposed Closing Deadlines: excluded

Understandings of vehicle associated life, Defense.

Scientific

DARPA

Abstract:

Department

The

National Institutes of Health Integrative Computational Biology for Analysis of NHLBI TOPMed Data (R01)


The purpose of this Funding Opportunity Announcement (FOA) is to support integrated analysis of whole genome, large scale “omic” data generated by the NHLBI’s Trans-Omics for Precision Medicine (TOPMed) program and associated phenotype and clinical data using systems approaches. Ultimately, these studies will advance our understanding of the molecular underpinnings of heart, lung, blood, and sleep disease.

Deadlines:

Letter of Intent: 30 days prior to the application due date
Application: July 6, 2017 and July 6, 2018

Department of Defense - University Small Grants Broad Agency Announcement -- BAA-RDK-2012-0001
https://www.grants.gov/web/grants/view-opportunity.html?oppId=161214

This is a five-year, open-ended Broad Agency Announcement (BAA) to solicit research proposals for the United States Air Force Research Laboratory (AFRL) Directed Energy (RD) Directorate. This BAA is a university grant vehicle that can provide small grants of $100k or less to engage U.S./U.S. territories’ colleges and universities in directed energy-related basic, applied, and advanced research projects that are of interest to the Department of Defense. Areas of interest include:

- **Lasers Systems:** This includes solid state, fiber, semi-conductor, short pulse and advanced chemical, gas, and hybrid laser technology for scalable, high energy laser devices for insertion into airborne tactical and strategic applications and ground-based laser system concepts.
- **Directed Energy Electro Optics for Space Situational Awareness:** This includes advanced optical and imaging technologies such as optical components, optical coatings, advanced beam control, atmospheric compensation, and pointing and tracking.
- **High Power Electromagnetics:** This includes generation and transmission of high power microwaves (HPM), identification of the susceptibility and vulnerability of electronic systems to HPM, and applications of HPM to meet national defense needs. Technologies include HPM sources, pulsed power, and high energy beam and plasma physics.
- **Weapons Modeling and Simulation:** This includes efforts to improve the fundamental understanding of HPM, lasers, beam control, and space situational awareness (SSA) through effects research and development of multi-level modeling and simulation tools, and application of high performance computing and advanced numerical simulations to represent directed energy and SSA capabilities.

Closing Date: Apr. 2, 2018. Proposals may be submitted at any time through that date. However, prospective offerors/applicants must call the technology points of contacts (POCs) listed in the full text announcement to confirm funding is available for the technology area of consideration before submitting a proposal.

Department of Defense - Lifelong Learning Machines (L2M)
https://www.grants.gov/web/grants/view-opportunity.html?oppId=293152

DARPA is soliciting highly innovative research proposals for the development of fundamentally new machine learning approaches that enable systems to learn continually as they operate and apply previous knowledge to novel situations. Current artificial intelligence (AI) systems only compute with what they have been programmed or trained for in advance; they have no ability to learn from data input during execution time, and cannot adapt on-line to changes they encounter in real environments. The goal of the Lifelong Learning Machines (L2M) program is to develop substantially more capable systems that are continually improving and updating from experience. Proposed research should investigate innovative approaches that support key lifelong learning machines technologies and enable revolutionary advances in the science of adaptive and intelligent systems. Specifically excluded is research that results in incremental improvements to the existing state of practice.

Deadlines:

Abstract: May 3, 2017
Proposal: June 21, 2017

Department of Defense, Army Research Office - Broad Agency Announcement for Basic and Applied Scientific Research -- W911NF-17-S-0002
https://www.grants.gov/web/grants/view-opportunity.html?oppId=292877

The purpose of this Broad Agency Announcement (BAA) is to solicit research proposals in the engineering, physical, life, and information sciences for submission to the Army Research Office (ARO) for consideration for possible
funding. ARO is focused exclusively on extramural basic research, and is responsible for the vast majority of ARL’s extramural research programs and funding. The ARL Directorates are focused on executing in-house research programs, with a significant emphasis on collaborative research with other organizations in an Open Campus setting (Open Campus opportunities are described at http://www.arl.army.mil/www/default.cfm?page=2357). However, these in-house Directorates do fund a modest amount of extramural research in certain specific areas, and ARL’s BAA describes those areas of interest.

Deadline: This BAA is a continuously open through 31 March 2022.

**Burroughs Wellcome Fund - Investigators in the Pathogenesis of Infectious Diseases (PATH)**

The Investigators in the Pathogenesis of Infectious Disease program provides opportunities for assistant professors to bring multidisciplinary approaches to the study of human infectious diseases. The goal of the program is to provide opportunities for accomplished investigators still early in their careers to study what happens at the points where the systems of humans and potentially infectious agents connect. The program supports research that sheds light on the fundamentals that affect the outcomes of these encounters: how colonization, infection, commensalism, and other relationships play out at levels ranging from molecular interactions to systemic ones.

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

**Deadlines:**

Pre-proposal: July 14, 2017
Invited Application: November 15, 2017

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**Medical/Health/Behavioral Sciences**

**Centers for Disease Control and Prevention - Undergraduate Public Health Scholars Program (CUPS): A Public Health Experience to Expose Undergraduate and Graduate Students to Minority Health, Public Health and Health Professions**

The Centers for Disease Control and Prevention’s (CDC) Office of Minority Health and Health Equity (OMHHHE) announces funds to be used to enhance CDC’s ability to eliminate health disparities by supporting national public health workforce development for up to four (4) cooperative agreement awards. These awards will support summer programs for undergraduate and graduate students in public health careers and other health professions, including those from under-represented and underserved populations and students from other vulnerable populations.

**Deadlines:**

Letter of Intent: May 19, 2017

**Centers for Disease Control and Prevention - Scaling the National Diabetes Prevention Program in Underserved Areas**

Through the CDC-led National Diabetes Prevention Program (National DPP), public and private organizations work collectively to build the infrastructure for nationwide delivery of an evidence-based lifestyle change program to prevent or delay onset of type 2 diabetes among adults with prediabetes. While over 1200 CDC-recognized organizations in 50 states offer the lifestyle change program, there are still many areas with few or no programs. Some priority populations have been under-enrolling relative to their disease burden and risk factors. These include: Medicare beneficiaries, men, African-Americans, Asian-Americans, Hispanics, American Indians, Alaska Natives, Pacific Islanders, and people with visual impairments or physical disabilities. Through a cooperative agreement, CDC funds multi-state networks of national or regional organizations to start new CDC-recognized organizations in underserved areas, in at least three states.

**Deadline:** June 12, 2017

**National Institutes of Health - NIH Director's New Innovator Award Program (DP2)**

The NIH Director’s New Innovator Award (DP2) supports a small number of early stage investigators of exceptional creativity who propose bold and highly innovative new research approaches that have the potential to produce a major impact on broad, important problems in biomedical and behavioral research. The NIH Director’s New
Innovator Award complements ongoing efforts by NIH and its Institutes and Centers to fund early stage investigators through R01 grants, which continue to be the major sources of NIH support for early stage investigators. Awardees are required to commit at least 25% of their research effort each year to activities supported by the New Innovator Award. Applicant organizations may submit more than one application, provided that each application is scientifically distinct. Only one application per PD/PI is permitted in response to this FOA.

**Deadline:** September 8, 2017

**National Institutes of Health Integrative Computational Biology for Analysis of NHLBI TOPMed Data (R01)**


The purpose of this Funding Opportunity Announcement (FOA) is to support integrated analysis of whole genome, large scale "omic" data generated by the NHLBI's Trans-Omics for Precision Medicine (TOPMed) program and associated phenotype and clinical data using systems approaches. Ultimately, these studies will advance our understanding of the molecular underpinnings of heart, lung, blood, and sleep disease.

**Deadlines:**

- Letter of Intent: 30 days prior to the application due date
- Application: **July 6, 2017 and **July 6, 2018

**National Institutes of Health - Animal and Biological Material Resource Centers (P40)**


This FOA encourages grant applications for national Animal Model, and Biological Material Resource Centers. These Centers provide support for special colonies of laboratory animals, as well as other resources such as informatics tools, reagents, cultures (cells, tissues, and organs) and genetic stocks that serve the biomedical research community in a variety of research areas on a local, regional, national and international basis. Support for Animal and Biological Material Resource Centers is limited to those that span the interests of two or more categorical NIH Institutes/Centers/Offices (ICOs). This funding opportunity is designed to both support continuation of existing resources, and to develop new ones when appropriate. Prior to preparing an application, all applicants are strongly encouraged to consult with Scientific/Research staff to be advised on appropriateness of the intended resource plans for this program, competitiveness of a potential application and ORIP's program priorities.

**Deadlines:**

- Jan. 25, May 25, Sep. 25
- AIDS Due Dates: **Jan. 7, May 7, Sep. 7**

**Robert Wood Johnson Foundation - Health Data for Action**


The HD4A program will fund innovative research that uses the available data to answer important research questions. Applicants under this Call for Proposals (CFP) will write a proposal for a research study using data from either the Health Care Cost Institute (HCCI) or athenahealth. Successful applicants will be provided with access to these data, which are described in greater detail below. The HCCI and athenahealth data provide a wealth of private claims data and rich detail on care delivery and patient obesity-related measures, respectively. The proposed studies should enable relevant, innovative, and actionable research that uses the available data to answer important, policy-relevant questions.

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

**Deadline:** May 24, 2017

**Robert Wood Johnson Foundation - Systems for Action: Systems and Services Research to Build a Culture of Health**


Systems for Action (S4A) is a national program of the Robert Wood Johnson Foundation (RWJF) that aims to discover and apply new evidence about ways of aligning the delivery and financing systems for medical, social, and public health services that support a Culture of Health. S4A uses a wide research lens that includes and extends beyond medical care and public health systems to include other sectors that affect health and well-being, such as housing, transportation, social services, education, criminal and juvenile justice, and economic and community development. The goal of this call for proposals (CFP) is to fund research that supports new scientific evidence on ways to optimize delivery and financing systems in ways that improve health and reduce inequities. This program,
as well as RWJF’s other three signature research programs, Evidence for Action, Policies for Action, and Health Data for Action (launching April 19, 2017), are investigating the impact of different types of programs, policies, and health-related systems on health, equity and well-being.

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

**Deadline:** May 5, 2017

**National Ataxia Foundation - Research Grants**

http://www.ataxia.org/research/ataxia-research-grants.aspx

The National Ataxia Foundation (NAF) is committed to funding the best science relevant to hereditary and sporadic types of ataxia in both basic and translational research. One-year seed money grants of up to $15,000 but promising proposals up to a maximum of $30,000 will be considered for early or pilot phases of studies and ongoing investigations.

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

**Deadlines:**

July 17, 2017 - Letter of Intent
August 15, 2017 - Full application

**Burroughs Wellcome Fund - Investigators in the Pathogenesis of Infectious Diseases (PATH)**


The Investigators in the Pathogenesis of Infectious Disease program provides opportunities for assistant professors to bring multidisciplinary approaches to the study of human infectious diseases. The goal of the program is to provide opportunities for accomplished investigators still early in their careers to study what happens at the points where the systems of humans and potentially infectious agents connect. The program supports research that sheds light on the fundamentals that affect the outcomes of these encounters: how colonization, infection, commensalism, and other relationships play out at levels ranging from molecular interactions to systemic ones.

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

**Deadlines:**

Pre-proposal: July 14, 2017
Invited Application: November 15, 2017

**Lung Cancer Research Foundation - Research Grants**

https://www.lungcancerresearchfoundation.org/research/funding-opportunities

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:

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

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

**Deadline:** July 1, 2017