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](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](http://www.unlv.edu/research/financial-resources-graduate-and-undergraduate-students)

Force and Motion Foundation - Academic Travel Scholarships
[http://www.forceandmotion.org/scholarships](http://www.forceandmotion.org/scholarships)

The Force and Motion Foundation offers up to ten $500 travel scholarships each quarter to assist students with costs for travel to scientific conferences related to multi-axis force measurement and testing. To apply, students will need either a poster for a poster session or an abstract for a podium presentation.

**Deadline: December 15, 2017**

Department of Energy - Mickey Leland Energy Fellowship

For more than 20 years, the Mickey Leland Energy Fellowship (MLEF) Program has provided students with fellowship opportunities to gain hands-on research experience with the Department of Energy’s (DOE) Office of Fossil Energy. The MLEF program was created in 1995 with the goal of improving opportunities for under-
represented students in the science, technology, engineering, and mathematics (STEM) fields; however, all eligible candidates are encouraged to apply. Selected candidates train under the mentorship of program officials and scientists on focused research projects, consistent with the mission of the Office of Fossil Energy. During these 10-week energy fellowships, participants receive a stipend, and some students may be eligible for housing and travel allowances for the duration of the program. They also gain insight into how DOE is working to meet the energy challenges of the future.

**Deadline:** January 3, 2018

**Oak Ridge National Laboratory - Nuclear Engineering Science Laboratory Synthesis (NESLS)**

http://www.orau.org/ornl/nesls/default.htm

The Nuclear Engineering Science Laboratory Synthesis (NESLS) program at Oak Ridge National Laboratory (ORNL) provides nuclear engineering research opportunities and associated activities for undergraduate and graduate students. Applications are accepted on a semester basis:

- **Spring deadline:** January 6
- **Summer deadline:** February 28
- **Fall deadline:** September 15

**Symantec Corporation - Research Labs Graduate Fellowships**

https://www.symantec.com/about/careers/graduate-fellowship

Symantec will award Symantec Research Labs (SRL) Graduate Fellowships to outstanding Ph.D. students conducting innovative research that has real-world value in the following areas:

- **Security and Privacy:** New applications of cryptography, in the areas of information security, data center management, middleboxes, etc.
- **Network and Systems:** Distributed ledgers, high throughput network security, secure public/private Cloud infrastructure, mobile and web applications, Internet of Things, etc.
- **Machine learning and data mining:** Scalable methods such as graphical models, anomaly detection, predictive analytics, time series analysis, natural language processing, active online learning, and distributed model training, in support of the security and systems areas mentioned above, as well as adversarial attacks on such models.
- **Human Computer Interaction:** Applications of psychology, sociology, anthropology, behavioral economics, and other human factors to security and privacy.

**Deadline:** December 1, 2017

**American Association of University Women - Selected Professions Fellowships**

http://www.aauw.org/what-we-do/educational-funding-and-awards/selected-professions-fellowships/

Selected Professions Fellowships are awarded to women who intend to pursue a full-time course of study at accredited U.S. institutions during the fellowship year in one of the designated degree programs where women’s participation traditionally has been low (see list below). Applicants must be U.S. citizens or permanent residents. Selected Professions Fellowships are awarded for the following master’s programs:

- Architecture
- Computer/information sciences
- Engineering
- Mathematics/statistics

Fellowships in the following degree programs are restricted to women of color, who have been underrepresented in these fields:

- Master’s in business administration — applicants may apply for second year of study only
- Law — applicants may apply for third year of study only
- Doctorate in medicine — applicants may apply for third or fourth year of study only

**Deadline:** January 10, 2018

**Horowitz Foundation for Social Policy - Grants**

http://www.horowitz-foundation.org/grant-info/

Through its grants program, the foundation awards grants of $7,500 — $5,000 at the start of the project and $2,500 at its completion — to Ph.D. candidates in support of dissertations that address contemporary issues in the
major fields of the social sciences, which include psychology, anthropology, sociology, economics, urban affairs, area studies, and political science.

**Deadline:** Dec. 1, 2017

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**Arts and the Humanities**

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


Public Humanities Projects grants support projects that bring the ideas and insights of the humanities to life for general audiences. Projects must engage humanities scholarship to analyze significant themes in disciplines such as history, literature, ethics, and art, or to address challenging issues in contemporary life. NEH encourages projects that involve members of the public in collaboration with humanities scholars or that invite contributions from the community in the development and delivery of humanities programming. Applications should follow the parameters set out below for one of the following three formats:

- **Community Conversations:** This format supports one- to three-year-long series of community-wide public discussions in which diverse residents creatively address community challenges, guided by the perspectives of the humanities.
- **Exhibitions:** This format supports permanent exhibitions that will be on view for at least three years, or travelling exhibitions that will be available to public audiences in at least two venues in the United States (including the originating location).
- **Historic Places:** This format supports the interpretation of historic sites, houses, neighborhoods, and regions, which might include living history presentations, guided tours, exhibitions, and public programs.

NEH encourages projects that explore humanities ideas through multiple formats. Proposed projects may include complementary components that deepen an audience’s understanding of a subject: for example, a museum exhibition might be accompanied by a website, mobile app, or discussion programs. Your application must identify one primary format for your project and follow the application instructions for that format.

**Deadline:** January 10, 2018; August 9, 2017

**Terra Foundation for American Art - Exhibition Program**

[https://www.terraamericanart.org/what-we-offer/grant-fellowship-opportunities/exhibition-grants/](https://www.terraamericanart.org/what-we-offer/grant-fellowship-opportunities/exhibition-grants/)

Recognizing the importance of experiencing original works of art firsthand, the Terra Foundation supports exhibitions that increase the understanding and appreciation of historical American art (circa 1500–1980). The foundation has a particular interest in exhibitions that add an international dimension to the study or presentation of historical American art or take place in Chicago, where the foundation is headquartered. “International dimensions” vary by project, but include:

- A venue outside the United States,
- A focused thesis that makes a significant contribution to scholarship on historical American art in an international context, and/or
- An international curatorial team.

Visual arts that are eligible for Terra Foundation Exhibition Grants include painting; sculpture; works on paper (prints, drawings, watercolors, photographs); decorative arts (typically handmade functional objects of high aesthetic quality); design (objects of high aesthetic quality; excludes industrial design); video art; and conceptual art. Excluded are architecture, performance art, and commercial film/animation.

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

**Deadline for Letters of Inquiry:** March 1, 2018

**New Music USA - Project Grants**

[https://www.newmusicusa.org/grants/](https://www.newmusicusa.org/grants/)

Through these project grants, awardees gain more than a grant award; they gain access to New Music’s public network. By promoting awarded projects through social media, email, and deep connections within the field, New Music works tirelessly to build a community around projects while supporting awarded artists as they develop their work. The approach is driven by two core convictions. First, that the best way to serve new music is to ask practitioners what they need rather than tell them what they should want. Second, that the process for requesting financial support should be simple and should help artists connect with audiences, not just funders. Applicants are
asked to present their projects using the same language and media they would use to build public interest in their work.

If you are interested in this opportunity, contact Caleen Johnson at 5-2828, caleen.johnson@unlv.edu
Deadline: December 7, 2017

American Council of Learned Societies - Digital Extension Grants
http://www.acls.org/programs/digitalextension/
ACLS invites applications for the ACLS Digital Extension Grant Program supports digitally based research projects in all disciplines of the humanities and related social sciences. It is hoped that these grants will help advance humanistic scholarship by enhancing established digital projects, extending their reach to new communities of users, and supporting teams of scholars at all career stages as they participate in digital research projects. This program aims to extend the opportunity to participate in the digital transformation of humanistic inquiry to a greater number of humanities scholars. To this end, projects supported by ACLS Digital Extension Grants may:
- Develop new systems of making existing digital resources available to broader audiences and/or scholars from diverse institutions
- Extend existing digital projects and resources with content that adds diversity or interdisciplinary reach
- Foster new team-based collaborations between scholars at all career stages. Projects that convene, train, and empower communities of humanities faculty and/or graduate students around established digital research projects, as well as projects that allow scholars from institutions with limited digital infrastructure to exploit digital resources or to participate in existing labs or working groups, are especially welcome
- Create new forms and sites for scholarly engagement with the digital humanities. Projects that document and recognize participant engagement are strongly encouraged.
Deadline: January 10, 2018

Harvard University - W. E. B. Du Bois Institute for African and African American Research -- Fellows Program
http://hutchinscenter.fas.harvard.edu/fellows-program
The Fellows Program is at the heart of the activities of the W. E. B. Du Bois Research Institute. Started in 1975 as the W. E. B. Du Bois Institute for African and African American Research, the Institute has annually appointed scholars who conduct individual research for a period of one to two semesters in a wide variety of fields related to African and African American Studies. With a record of supporting more than 300 Fellows since its founding, the Institute has arguably done more in its short existence to ensure the scholarly development of African and African American Studies than any other pre-doctoral or post-doctoral program in the United States. Fellows work in a range of fields and interests, including art and art history, Afro-Latin American research, design and the history of design, education, hiphop, African studies, the African diaspora, African American studies, literature, and creative writing.
Deadline: January 17, 2018

Education, Business and Social Sciences

SPIE - Education Outreach Grants Program
As part of its education outreach mission, SPIE provides support for optics and photonics related education outreach activities. The award process is competitive; applications are judged on their potential to impact students and increase optics and photonics awareness. Some proposals may receive partial funding. The key criterion in evaluation and ranking applications is the potential to impact students and to increase optics and photonics awareness. Applications are judged on:
- potential to impact a large audience
- raise awareness and interest in optics and photonics
- clarity and structure of the project
- clear timeline and budget
If you are interested in this opportunity, contact Caleen Johnson at 5-2828, caleen.johnson@unlv.edu
Deadlines: January 31, 2018; May 31, 2018
American Federation for Aging Research - AFAR Research Grants for Junior Faculty
http://www.afar.org/research/funding/afar-research-grants

The major goal of this program is to assist in the development of the careers of junior investigators committed to pursuing careers in the field of aging research. AFAR supports research projects concerned with understanding the basic mechanisms of aging. Projects investigating age-related diseases are also supported, especially if approached from the point of view of how basic aging processes may lead to these outcomes. Projects concerning mechanisms underlying common geriatric functional disorders are also encouraged, as long as these include connections to fundamental problems in the biology of aging. AFAR provides up to $100,000 for a one- to two-year award to junior faculty (M.D.s and Ph.D.s) to conduct research that will serve as the basis for longer term research efforts. AFAR-supported investigators study a broad range of biomedical and clinical topics including the causes of cellular senescence, the role of estrogen in the development of osteoporosis, the genetic factors associated with Alzheimer’s disease, the effects of nutrition and exercise on the aging process, and much more.

Deadline for Letters of Intent: December 15, 2017

National Science Foundation - Operations Engineering (OE)
https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505202

The Operations Engineering (OE) program supports fundamental research on advanced analytical methods for improving operations in complex decision-driven environments. Analytical methods include, but are not limited to, deterministic and stochastic modeling, optimization, decision and risk analysis, data science, and simulation. Methodological research is highly encouraged but must be motivated by problems that have potential for high impact in engineering applications. Application domains of particular interest to the program arise in commercial enterprises (e.g., production/manufacturing systems and distribution of goods, delivery of services), the public sector/government (e.g., public safety and security), and public/private partnerships (e.g., health care, environment and energy). The program also welcomes operations research in new and emerging domains and addressing systemic societal or technological problems. The OE program particularly values cross-disciplinary proposals that leverage application-specific expertise with strong quantitative analysis in a decision-making context. Proposals for methodological research that are not strongly motivated by high-potential engineering applications are not appropriate for this program.

Deadlines: January 24, 2018

National Science Foundation - Dynamics, Control and Systems Diagnostics
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505182

- The Dynamics, Control and Systems Diagnostics (DCSD) program supports fundamental research on the analysis, measurement, monitoring and control of dynamic systems. The program promotes innovation in the following areas:
  - Modeling: creation of new mathematical frameworks to apply tools of dynamics to physical systems
  - Analysis: discovery and exploration of structure in dynamic behavior
  - Diagnostics: dynamic methods that infer system properties from observations
  - Control: methods that produce desired dynamic behavior

Deadlines: January 24, 2018

National Science Foundation - Manufacturing Machines and Equipment (MME)
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13346

The MME program supports fundamental research that enables the development of new and/or improved manufacturing machines and equipment, and optimization of their use, with a particular focus on equipment appropriate for the manufacture of mechanical and electromechanical devices, products, and systems featuring scales from microns to meters. Proposals relating to a wide range of manufacturing operations are encouraged, including both subtractive and additive processes, forming, bonding/joining, and laser processing.

Deadlines: January 24, 2018

National Science Foundation - Nanomanufacturing (NM)
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13347
Nanomanufacturing is the production of useful nano-scale materials, structures, devices and systems in an economically viable manner. The NSF Nanomanufacturing Program supports fundamental research in novel methods and techniques for batch and continuous processes, top-down (addition/subtraction) and bottom-up (directed self-assembly) processes leading to the formation of complex heterogeneous nanosystems. The program supports basic research in nanostructure and process design principles, integration across length-scales, and system-level integration. The Program leverages advances in the understanding of nano-scale phenomena and processes (physical, chemical, electrical, thermal, mechanical and biological), nanomaterials discovery, novel nanostructure architectures, and new nanodevice and nanosystem concepts. It seeks to address quality, efficiency, scalability, reliability, safety and affordability issues that are relevant to manufacturing. To address these issues, the Program encourages research on processes and production systems based on computation, modeling and simulation, use of process metrology, sensing, monitoring, and control, and assessment of product (nanomaterial, nanostructure, nanodevice or nanosystem) quality and performance.

Deadlines: January 24, 2018

National Science Foundation - Materials Engineering and Processing (MEP)
http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504950
The Materials Engineering and Processing (MEP) program supports fundamental research addressing the processing and performance of engineering materials by investigating the interrelationship of materials processing, structure, properties and/or life-cycle performance for targeted applications. Materials processing proposals should focus on manufacturing processes that convert material into a useful form as either intermediate or final composition. These include processes such as extrusion, molding, casting, forming, deposition, sintering and printing. Proposed research should include the consideration of cost, performance, and feasibility of scale-up, as appropriate. Novel processes for the production of nanoscale materials (nanotubes, nanocrystals, etc.) are of interest. Process optimization studies without a fundamental scientific contribution are not supported. Research approaches which exploit knowledge of biological processes for the processing of non-biological materials, as well as the utilization of advanced computing techniques to enable major advances in Materials Engineering and Processing are encouraged.

Deadlines: January 24, 2018

National Science Foundation - Collaborative Research in Computational Neuroscience (CRCNS)
https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5147
Through the CRCNS program, the National Science Foundation (NSF), the National Institutes of Health (NIH), the German Federal Ministry of Education and Research (Bundesministerium für Bildung und Forschung, BMBF), the French National Research Agency (Agence Nationale de la Recherche, ANR), the United States-Israel Binational Science Foundation (BSF), and Japan’s National Institute of Information and Communications Technology (NICT) support collaborative activities that will advance the understanding of nervous system structure and function, mechanisms underlying nervous system disorders, and computational strategies used by the nervous system. Two classes of proposals will be considered in response to this solicitation:

- Research Proposals describing collaborative research projects, and
- Data Sharing Proposals to enable sharing of data and other resources.

Domestic and international projects will be considered. As detailed in the solicitation, international components of collaborative projects may be funded in parallel by the participating agencies.

Deadline: January 5, 2018

Department of Energy - Energy Efficiency Research and Development for Fluid-Power Systems In Off-Road Vehicles
https://www.grants.gov/web/grants/view-opportunity.html?oppId=298005
The objective of this FOA is to research technologies that can improve the energy efficiency of fluid power systems for commercial off-road vehicles. Construction, mining, and agriculture equipment represent the majority of fuel consumption in off-road vehicles, and this equipment relies heavily on fluid-power systems (i.e. hydraulics) to actuate most of their functions. They are preferred over electric motors because of their high specific power density and ability to tolerate shock and harsh environments. However, current fluid-power systems have poor efficiency. Research in this area can provide decreased operating costs for these key domestic industries. Technologies for efficiency improvement are anticipated to include, but are not limited to, new system architectures, energy storage, engineered fluid properties, advanced materials, engine technologies, and hybridization.
Deadlines:
Required Concept Papers: November 20, 2017
Full Applications: January 18, 2018

US Department of Agriculture, Forest Service -- Wood Innovations
The U.S. Forest Service requests proposals to substantially expand and accelerate wood energy and wood products markets throughout the United States to support forest management needs on National Forest System and other forest lands.
This Request for Proposal focuses on the following priorities to:
• Reduce hazardous fuels and improve forest health on National Forest System and other forest lands.
• Reduce costs of forest management on all land types.
• Promote economic and environmental health of communities.
Deadline: January 22, 2018

Oak Ridge Associated Universities - Directed Research and Development Partnership Grants
http://www.orau.org/university-partnerships/members-only/odrd/default.aspx
Through collaborations between ORAU and ORAU-Member Universities, ORAU-Directed Research and Development (ODRD) harnesses innovation to strengthen and expand the scientific and technical capabilities of ORAU programs; enhance ORAU’s ability to address current and future customer needs; and supports university-engaged, applied research that enhances customer solutions. ODRD creates a means to support additional exploratory, collaborative research opportunities with ORAU programs, and results in the greater potential for significant external research funding. ODRD competitively funds select innovative research-based approaches/solutions that fall within the intersection of core capabilities of ORAU and our member universities research interests. Potential university partners are encouraged to submit concepts for discussion with ORAU partners as soon as possible.
Deadline: March 26, 2018

SPIE - Education Outreach Grants Program
As part of its education outreach mission, SPIE provides support for optics and photonics related education outreach activities. The award process is competitive; applications are judged on their potential to impact students and increase optics and photonics awareness. Some proposals may receive partial funding.
The key criterion in evaluation and ranking applications is the potential to impact students and to increase optics and photonics awareness. Applications are judged on:
• potential to impact a large audience
• raise awareness and interest in optics and photonics
• clarity and structure of the project
• clear timeline and budget
If you are interested in this opportunity, contact Caleen Johnson at 5-2828, caleen.johnson@unlv.edu
Deadlines: January 31, 2018; May 31, 2018

Epilepsy Foundation - Seizure Gauge Challenge
The Epilepsy Innovation Institute (E2I) is pleased to announce a Request for Proposals for the My Seizure Gauge initiative pairing longitudinal intracranial EEG recordings with a host of peripheral measurements (such as biosensors, digital markers, passive measurements, etc.) to identify new relationships between brain state and non-invasive or minimally invasive read-outs. A successful team will be composed of clinicians who can recruit participants with existing intracranial devices implanted, data scientists and device interoperability experts who can ensure successful data integration, and researchers who can propose different parameters to measure and analyze. E2I plans to fund at least $3 million to a team over a three-year period.
Recognizing that not all organization(s)/individual(s) interested in participating have existing partnerships that would ensure a successful full grant application, all interested parties are encouraged to submit an LOI by December 22nd addressing which assets the individual(s)/organization(s) could contribute to the project. Those with accepted LOIs will be invited to a February 21st workshop in San Francisco, California where there will be
opportunities to find partners prior to the full grant application and have discussions on key decision criteria for a successful grant. Full grant applications will be due on **May 11th, 2018.**

**Medical/Health/Behavioral Sciences**

**National Institutes of Health - Testing Interventions for Health-Enhancing Physical Activity (R01, R21/R33)**
The purpose of this Funding Opportunity Announcement (FOA) is to fund highly innovative and promising research that tests multi-level physical activity intervention programs acting on at least two levels of the socio-ecological model and designed to increase health-enhancing physical activity: 1) in persons or groups that can benefit from such activity; and 2) that could be made scalable and sustainable for broad use across the nation. This FOA provides support for up to 5 years for research planning, intervention delivery, and follow-up activities. For investigators that need sufficient time to develop meaningful collaborations, or to pilot, refine, or combine interventions previously used in different settings or populations, please see the companion Exploratory/Developmental Phased Innovation (R21/R33) PAR-18-307 FOA. Clinical Trials are optional under this program. 
**Deadlines:** February 5, 2018; October 5, 2018; June 5, 2019; February 5, 2020; October 5, 2020
**AIDS projects:** May 7, 2018; January 7, 2019; September 7, 2019; May 7, 2020; January 7, 2021

**National Institutes of Health - Small Grants for New Investigators to Promote Diversity in Health-Related Research (R03)**
The purpose of this Funding Opportunity Announcement (FOA) is to provide support for New Investigators from backgrounds nationally underrepresented in biomedical and behavioral research to conduct small research projects in the scientific mission areas of the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK). The R21 is intended to support small research projects that can be carried out in a short period of time with limited resources and seeks to facilitate the transition to research independence of New Investigators from backgrounds underrepresented in the biomedical and behavioral sciences. The R21 grant mechanism supports different types of projects including pilot and feasibility studies; secondary analysis of existing data; small, self-contained research projects; development of research methodology; and development of new research technology. 
**Deadlines:** Letters of Intent Receipt Date(s): 30 days prior to the application due date
**R03 Deadlines:** February 16, June 16, October 16
**AIDS Projects:** January 7, May 7, September 7

**National Institutes of Health - Bioengineering Research Partnerships (U01)**
This Funding Opportunity Announcement (FOA) encourages bioengineering applications that will accelerate the development and adoption of promising tools and technologies that can address important biomedical problems. The objectives are to establish these tools and technologies as robust, well-characterized solutions that fulfill an unmet need and are capable of enhancing our understanding of life science processes or the practice of medicine. Awards will focus on supporting multidisciplinary teams that apply an integrative, quantitative bioengineering approach to developing technologies, and engage biomedical researchers or clinicians throughout the project. The goal of the program is to support projects that can realize meaningful solutions within 5 – 10 years. 
**Deadlines:** May 8, 2018, September 13, 2018
**AIDS Projects:** January 7, May 7, September 7

**American Federation for Aging Research - AFAR Research Grants for Junior Faculty**
http://www.afar.org/research/funding/afar-research-grants
The major goal of this program is to assist in the development of the careers of junior investigators committed to pursuing careers in the field of aging research. AFAR supports research projects concerned with understanding the basic mechanisms of aging. Projects investigating age-related diseases are also supported, especially if approached from the point of view of how basic aging processes may lead to these outcomes. Projects concerning mechanisms
underlying common geriatric functional disorders are also encouraged, as long as these include connections to fundamental problems in the biology of aging. AFAR provides up to $100,000 for a one- to two-year award to junior faculty (M.D.s and Ph.D.s) to conduct research that will serve as the basis for longer term research efforts. AFAR-supported investigators study a broad range of biomedical and clinical topics including the causes of cellular senescence, the role of estrogen in the development of osteoporosis, the genetic factors associated with Alzheimer’s disease, the effects of nutrition and exercise on the aging process, and much more.

**Deadline for Letters of Intent:** December 15, 2017

**National Science Foundation - Collaborative Research in Computational Neuroscience (CRCNS)**

Through the CRCNS program, the National Science Foundation (NSF), the National Institutes of Health (NIH), the German Federal Ministry of Education and Research (Bundesministerium für Bildung und Forschung, BMBF), the French National Research Agency (Agence Nationale de la Recherche, ANR), the United States-Israel Binational Science Foundation (BSF), and Japan’s National Institute of Information and Communications Technology (NICT) support collaborative activities that will advance the understanding of nervous system structure and function, mechanisms underlying nervous system disorders, and computational strategies used by the nervous system.

Two classes of proposals will be considered in response to this solicitation:

- **Research Proposals** describing collaborative research projects, and
- **Data Sharing Proposals** to enable sharing of data and other resources.

Domestic and international projects will be considered. As detailed in the solicitation, international components of collaborative projects may be funded in parallel by the participating agencies.

**Deadline:** January 5, 2018

**NineSigma - Delivering Transdermal Antihistamine Through the Skin**
[https://ninesights.ninesigma.com/projects/-/rfp-portlet/rfpViewer/3523](https://ninesights.ninesigma.com/projects/-/rfp-portlet/rfpViewer/3523)

NineSigma, representing a large global pharmaceutical company, invites proposals for approaches to successfully deliver antihistamine through the skin that ensure the antihistamine reaches therapeutic levels for effective treatment of allergy symptoms. The aim is to help allergy sufferers better manage their allergies by developing an allergy patch containing antihistamine (for example, Loratadine, Desloratadine, Cetirizine, Fexofenadine, etc) that provides no-fuss, consistent allergy symptom relief over multiple days. This challenge seeks a way to successfully deliver antihistamine through the skin and achieve systemic absorption, bioavailability and therapeutic levels for effective treatment of allergy symptoms.

**Deadline:** November 3, 2017

**Epilepsy Foundation - Seizure Gauge Challenge**

The Epilepsy Innovation Institute (Ei2) is pleased to announce a Request for Proposals for the My Seizure Gauge initiative pairing longitudinal intracranial EEG recordings with a host of peripheral measurements (such as biosensors, digital markers, passive measurements, etc.) to identify new relationships between brain state and non-invasive or minimally invasive read-outs. A successful team will be composed of clinicians who can recruit participants with existing intracranial devices implanted, data scientists and device interoperability experts who can ensure successful data integration, and researchers who can propose different parameters to measure and analyze. Ei2 plans to fund at least $3 million to a team over a three-year period.

Recognizing that not all organization(s)/individual(s) interested in participating have existing partnerships that would ensure a successful full grant application, all interested parties are encouraged to submit an LOI by **December 22nd** addressing which assets the individual(s)/organization(s) could contribute to the project. Those with accepted LOIs will be invited to a February 21st workshop in San Francisco, California where there will be opportunities to find partners prior to the full grant application and have discussions on key decision criteria for a successful grant. Full grant applications will be due on **May 11th, 2018**.