The Proposal Development unit within the Office of Sponsored Programs publishes this notice on a bi-weekly basis. If you are interested in any of the opportunities listed, and would like assistance with a proposal, please contact Carol Brodie at 5-1328, carol.brodie@unlv.edu. Rm. 2105 SEB. 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

Recent Limited Submissions announcements are as follows:

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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.

Recent Announcements about Zika Virus Funding

National Science Foundation Dear Colleague Letter

The Ecology & Evolution of Infectious Disease (EEID) program in the Division of Environmental Biology seeks to develop and test predictive models and to discover the principles governing the transmission dynamics of infectious disease agents. The purpose of this Dear Colleague Letter is to announce that the EEID program is interested in receiving proposals relevant to the ongoing spread of the Zika virus. Proposals may be submitted through one of two routes: as a submission to the annual call for EEID proposals (http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5269&org=DEB&from=home) or as a RAPID proposal.

National Institutes of Health

- Notice of NICHD, NINDS, NIDCR and NIAID’s Interest to Prioritize Zika Virus (ZIKV) Research Areas (NOT-HD-16-004)
- Related news: President asks Congress for more than $1.8 billion in emergency funding to enhance ongoing efforts to prepare for and respond to the Zika virus domestically and internationally

Early Career Investigator Workshop

The Office of Sponsored Programs will be holding a proposal workshop for Early Career Investigators. We will cover the NSF CAREER program, and similar opportunities from other federal agencies. We are pleased to have three successfully funded faculty who will provide our attendees with tips on how to put together a successful CAREER proposal:
• Dr. Kwang Kim, Southwest Gas Professor of Energy and Matter, UNLV College of Engineering  
  Dr. Min Jun Kim, Department of Mechanical Engineering & Mechanics, and the School of Biomedical Engineering, Science & Health System, Drexel University  
• Dr. Henry Fu, Ralph E. Hoepner Professor of Engineering, University of Nevada Reno

The workshop will be on Friday, April 22 from 11:30 – 2:30 in Room 1243 of the Science and Engineering Building.

Seating is limited. Please RSVP at https://unlv.co1.qualtrics.com/SE/?SID=Sv_9ZcWo3qLD1xYs

President’s Budget Request for 2017
The NIH Director has posted this presentation about the President’s 2017 budget request for his agency.

US Department of Education IES Webinar Archive
http://www.ies.ed.gov/funding/webinars/previous_webinars.asp
The U.S. Department of Education’s Institute of Education Sciences has an archive of past webinars, including one on Funding Opportunities for Minority Serving Institutions. Click on the above link to see the list of available webinars.

Opportunities for Students

U.S. Department of Energy - Minority Educational Institution Student Partnership Program (MEISPP)  
https://www.doemeispp.org/home
MEISPP is a summer internship program offering talented undergraduate and graduate student summer internship positions with DOE and its national laboratories. Positions involve scientific research or a focus on policy, business, and government relations. Program participants receive an intensive week assignment, and work side-by-side with leading scientists, engineers, and other top professionals to develop their skills and enhance leadership capabilities. Students must be U.S. citizens, have earned at least 24 undergraduate semester hours, be a full-time student, and maintain an overall GPA of 3.0. Please note that the selection of interns is not premised upon racial factors or preference nor are individuals penalized based upon racial factors. For the Undergraduate and Graduate internships, students from all accredited institutions of higher education can apply.

Deadline: To apply for the 2016 MEISPP internship, the following documents must be received by March 31, 2016: application, unofficial transcripts, and two letters of recommendation.

American Society for Microbiology - Robert D. Watkins Minority Graduate Fellowship  
http://www.asm.org/index.php/component/content/article/25-education/students/164...
The goal of the Robert D. Watkins Minority Graduate Fellowship is to increase the number of underrepresented groups completing doctoral degrees in the microbiological sciences. The Robert D. Watkins Graduate Research Fellowship is aimed at highly competitive graduate students who are enrolled in a Ph.D. program and who have completed their graduate course work in the microbiological sciences. The Watkins fellowship encourages students to continue and complete their research project in the microbiological sciences.

Deadline: May 1.

Oak Ridge Associated Universities - Higher Education Research Experiences at Oak Ridge National Laboratory for Students  
http://www.orau.org/ornl/hereatornl/graduate-students.htm
Higher Education Research Experiences at Oak Ridge National Laboratory (HERE at ORNL) provides research opportunities and associated activities for graduate students. The program is designed to complement academic programs by utilizing the unique resources of ORNL to enhance science, technology, engineering, and mathematics (STEM) education, encourage careers in science and technology, and improve scientific literacy, while at the same time contributing to the Laboratory mission.

Deadline(s): application is always open but for best results apply February 1 for summer, June 1 for fall, October 1 for winter/spring
Oak Ridge Associated Universities - HERE at ORNL, Thesis or Dissertation Research
Higher Education Research Experiences at Oak Ridge National Laboratory (HERE at ORNL) provides research opportunities and associated activities for thesis or dissertation research. The program is designed to complement academic programs by utilizing the unique resources of ORNL to enhance science, technology, engineering, and mathematics (STEM) education, encourage careers in science and technology, and improve scientific literacy, while at the same time contributing to the Laboratory mission.
Deadline(s): application is always open but for best results apply February 1 for summer, June 1 for fall, October 1 for winter/spring

International Opportunities

US Agency for International Development -- USAID’s Growth through Nutrition Activity
The purpose of this Request for Application (RFA) is to solicit applications from eligible applicants to award a five-year, maximum of $73 million, Cooperative Agreement for USAID’s Growth through Nutrition Activity1 with the goal of reducing malnutrition in Ethiopia. This Activity will enhance the capacity of the selected Recipient to provide technical support to Government of Ethiopia (GOE) agencies and other partners to implement well-coordinated multi-sector nutrition interventions. Support for Growth through Nutrition is derived from multiple funding streams: nutrition (~50 percent), water, sanitation, and hygiene (WASH) (~30 percent), and agriculture (~20 percent). A flexible funding mechanism (Crisis Modifier) is also built into the Activity to enable the Recipient to rapidly respond to food security emergencies in its target areas.
Deadline: March 21, 2016

Department of State - Comprehensive in-School Civic Education Program
The United States Embassy in Bosnia and Herzegovina, acting through the Office of Public Affairs, is pleased to announce a Notice of Funding Opportunity for a Comprehensive In-School Civic Education Program. They welcome proposals for implementation of a country-wide, in-school civic education program as part of the official school curriculum throughout Bosnia and Herzegovina (BiH). This year-long program will help educate young BiH students about the basic concepts of democratic society, justice, human rights, tolerance, the BiH constitution, and the various levels of government in the country. The budget of project proposals should not exceed $400,000 and the timeframe for this program is from early May, 2016, to October, 2017.
Deadline: March 31, 2016.

Arts and the Humanities

National Endowment for the Humanities - Preservation and Access Education and Training Grants
Preservation and Access Education and Training grants are awarded to organizations that offer national or regional (multistate) education and training programs. Grants aim to help the staff of cultural institutions, large and small, obtain the knowledge and skills needed to serve as effective stewards of humanities collections. Grants also support educational programs that prepare the next generation of conservators and preservation professionals, as well as projects that introduce the staff of cultural institutions to new information and advances in preservation and access practices.
Deadline: May 3, 2016

National Film Preservation Foundation - Avant-Garde Masters Grants for Film Preservation
This grant supports the preservation of a film or films by a single filmmaker or from a cinematic group significant to the development of avant-garde film in America. Works made within the last twenty years are not eligible. Applications should show how the proposed titles have made a significant contribution to American experimental film or, if the works are lesser known today, demonstrate how the films will contribute to a better understanding of avant-garde film history. Proposals must also explain why the proposed films are in need of preservation and include plans detailing how the films will be made available to the public and the scholarly community.
This grant will fund several preservation projects ranging between $5,000 and $50,000.

Deadlines:
Registration: March 4, 2016
Application: April 4, 2016

National Endowment for the Humanities - Fellowships
http://www.neh.gov/grants/research/fellowships
Fellowships support individuals pursuing advanced research that is of value to humanities scholars, general audiences, or both. Recipients usually produce articles, monographs, books, digital materials, archaeological site reports, translations, editions, or other scholarly resources in the humanities. Projects may be at any stage of development. The Fellowships program welcomes projects that respond to NEH’s Bridging Cultures initiative. Such projects could focus on cultures internationally or within the United States. International projects might seek to enlarge Americans’ understanding of other places and times, as well as other perspectives and intellectual traditions. American projects might explore the great variety of cultural influences on, and myriad subcultures within, American society. These projects might also investigate how Americans have approached and attempted to surmount seemingly unbridgeable cultural divides, or examine the ideals of civility and civic discourse that have informed this quest.

Deadline: April 28, 2016

Education, Business and Social Sciences

Department of Health and Human Services - Communities Addressing Childhood Trauma (ACT)
http://www.grants.gov/web/grants/view-opportunity.html?oppId=281316
The U.S. Department of Health and Human Services, Office of Minority Health seeks to address unhealthy behaviors in minority youth and provide them with opportunities to learn coping skills and gain experiences that contribute to more positive lifestyles and enhance their capacity to make healthier life choices. OMH intends that ACT projects will demonstrate the effectiveness of a highly innovative and multipartnership collaborative approach, incorporating the National Standards for Culturally and Linguistically Appropriate Services in Health and Health Care (National CLAS Standards). The ACT project is expected to impact approximately 2,500 children and adolescents from minority and disadvantaged populations through a network of community-based, community focused intervention programs and social support activities.

Deadline: April 18, 2016

Department of Justice - Research and Evaluation on Drugs and Crime
http://www.grants.gov/web/grants/view-opportunity.html?oppId=281358
Over the last several years, the U.S. has experienced important developments affecting drugrelated crime, including legislation that decriminalizes or legalizes marijuana and other cannabis products, a resurgence in heroin use, growth in prescription drug diversion, and a proliferation of novel psychoactive substances (NPS) or chemically engineered drugs. These have raised several challenges for law enforcement and other criminal justice agencies concerning drug intelligence and surveillance, criminal investigations (including narcotics enforcement, forensic science, and medicolegal death investigation), and prosecution. NIJ seeks applications to examine the feasibility, impact, and cost-efficiency of tools, protocols, and policies that support criminal justice agencies in addressing drug trafficking, markets and use, and the effects of drug legalization and decriminalization on law enforcement. Applications must address one of two criminal justice activities:
1. Drug Intelligence and Community Surveillance.
2. Criminal Investigation and Prosecution.

Deadline: April 20, 2016

State Farm Insurance, Youth Advisory Board -- Student-led Service Learning Projects
http://sfyab.com/apply/national-grants/
The State Farm® Youth Advisory Board (YAB), made up of 30 amazing 17-20-year-old students from across the United States and Canada, has pledged $5 million per year to this service-learning initiative to address issues...
important to State Farm and communities across the United States and Canada. The Youth Advisory Board is currently funding service-learning projects between $25,000 and $100,000 that address the root cause of the following issue areas:

- Access to Higher Education/Closing the Achievement Gap
- Economic Empowerment and Financial Literacy
- Community Safety and Justice
- Health & Wellness
- Environmental Responsibility
- Arts and Culture

**Deadline: April 29, 2016**

**Environmental Protection Agency - Environmental Education Local Grants Program**


Under this solicitation EPA is seeking grant proposals from eligible applicants to support locally focused environmental education projects that promote environmental stewardship and help develop knowledgeable and responsible students, teachers, and citizens. This grant program provides financial support for projects that design, demonstrate, and/or disseminate environmental education practices, methods, or techniques, as described in this notice, that will serve to increase environmental literacy and encourage behavior that will benefit the environment in the local community(ies) in which it is located.

**Deadline: April 8, 2016**

**Department of Justice - Elder Abuse Prevention Demonstration Project: Planning Phase**


NIJ is seeking applications for a rigorous, multi-year demonstration project to prevent abuse, neglect, and/or financial exploitation among community-residing elderly individuals identified to be at risk for elder mistreatment. This solicitation is for an 18-month planning phase. It is anticipated that upon successful completion of the planning phase, another 18-month piloting phase will be funded as a supplement to the planning phase award. Should the planning phase and piloting phase show promise in preventing elder mistreatment, and funding is available, a full implementation evaluation study may be funded as a supplement.

**Deadline: May 2, 2015**

**Department of Justice - Research on Bias Crimes**


NIJ is seeking applications for research and evaluation related to the examination of bias crime perpetration and victimization. For this solicitation, NIJ is interested in a broad range of research that will address gaps in our ability to identify, assess, and understand the behavior of bias crime offenders and experiences of bias crime victims. The goal of the bias crime victimization program of research is to improve knowledge and understanding of bias crime victimization through science. NIJ strives to provide objective and independent knowledge and validated tools to reduce violence against victims of hate crime. The objectives of this solicitation are to fund high-quality research projects in the area of bias motivated crime. All grantees funded under this solicitation are expected to publish one or more peer-reviewed scientific journal articles, but may include law review journals, academic press books or book chapters.

**Deadline: May 10, 2016**

**Department of Justice - Wrongful Conviction Review Program**


The purpose of the Wrongful Conviction Review Program is to provide high-quality and efficient representation for defendants in post-conviction claims of innocence. Post-conviction innocence claims are likely to include complex challenges to the reliability and/or accuracy of evidence presented at trial and generally fall into three categories: 1) eyewitness identification evidence; 2) confession evidence; and 3) forensic evidence. In some cases, post-conviction DNA testing alone can establish innocence, but the majority of cases will rely on other forms of
unbiased between technologies, inadequate achieved benefits foundational the will this approaches, combining approaches, thematic, addressing specific needs of the community and develop girls’ sense of efficacy through leadership or advocacy opportunities. Topic areas are unrestricted, but should include a clearly defined activity that promotes education and equality for women and girls.

Deadline: March 15, 2016

Lalor Foundation - Anna Lalor Burdick Program
http://66.147.244.193/~lalorfou/?page_id=221
The Anna Lalor Burdick Program seeks to empower young women through education about healthy reproduction in order to broaden and enhance their options in life. The program focuses particularly on young women who have inadequate access to information regarding sexual and reproductive health, including comprehensive and unbiased information on contraception and pregnancy termination. While projects may take place outside the U.S., the program will only fund organizations based in the United States.

Deadlines for concept papers: May 1; November 1

Samuel Rubin Foundation Grant (Social, Economic, Political, Civil and Cultural Rights)
http://samuelrubinfoundation.org/application-guidelines/

The Samuel Rubin Foundation makes small Grants that meet its mission of the pursuit of peace and justice and the search for an equitable reallocation of the world’s resources. The Foundation believes that these objectives can be achieved only through the fullest implementation of social, economic, political, civil and cultural rights for all the world’s people.


Science, Mathematics and Engineering

Department of Energy - STATE ENERGY EVOLUTION AND DIFFUSION STUDIES II - STATE ENERGY STRATEGIES (SEEDSII-SES)
This Funding Opportunity Announcement (FOA) aims to reduce the soft costs of solar deployment through two approaches, referred to as Topic 1 and Topic 2 in the FOA. The first topic, “Topic 1” is targeted at increasing our foundational understanding of technology evolution, soft costs, and barriers to solar deployment in the US. By combining cutting edge research tools with the creation, analysis and functionalization of data and information, this second round of the Solar Energy Evolution and Diffusion Studies (SEEDS) program will examine how solar technologies, the electric grid system, and the institutions that create the solar business marketplace support or impede the evolution and diffusion of solar by partnering researchers with data and energy practitioners. “Topic 2” will directly tackle soft costs and market barrier challenges at the state and regional level by maximizing the benefits of solar electricity through energy and economic strategic planning. This program targets partnerships between states and utilities/electricity sector entities that look to increase solar deployment in their region. This will be achieved through analytical support to develop and implement strategies to: determine or expand...
renewable energy and other goals, such as: maximizing emissions reductions; hedging against fuel price volatility; creating jobs; expanding access to electricity; and/or increasing grid resiliency, among others.

**Deadlines:**
- Required Concept Papers: **March 8, 2016**
- Applications: **May 2, 2016**

**Department of Energy - Regional and Global Climate Modeling and Integrated Assessment Research: An Integration Framework for Multi-Model, U.S. Regional Climate Evaluation that Incorporates Local Human Influences for Research at the Energy-Water-Land Nexus**


The Climate and Environmental Sciences Division (CESD) of the U.S. Department of Energy’s Office of Biological and Environmental Research (BER) supports a broad range of climate and earth system observational, analysis, and modeling research. Two of the activities within the modeling component of the Division, i.e., the Regional and Global Climate Modeling (RGCM) Activity and the Integrated Assessment Research (IAR) Activity, are collaborating in issuing this Funding Opportunity Announcement. As part of CESD, RGCM seeks to enhance the predictive understanding and modeling of climate variability and change by advancing capabilities to design, evaluate, diagnose, and analyze global and regional earth system model simulations informed by observations. The use of model simulations in combination with observations enables a deeper understanding of climate variability and change. RGCM focuses on analysis of regions that exhibit a significant response to larger scale climate change; evaluating robust methods to obtain higher spatial resolution; and diagnosing and analyzing state-of-the-science for coupled climate and Earth system models to understand climate variability and change at regional and global scales. These analyses often take the form of sensitivity studies that focus on various aspects of the climate system, including detection and attribution, developing enhanced modeling and analytics capabilities for decadal predictability, incorporating uncertainty characterization, and conducting analyses of feedbacks within the climate system.

**Deadlines:**
- Required Pre-applications: **March 7, 2016**
- Applications: **April 18, 2016**

**Department of Energy - Climate Model Development and Validation**


The model representation of clouds and aerosols, and their changes in response to energy and climate drivers, remain the most uncertain elements in model predictions of the climate system. Therefore, improved predictability requires greater understanding and representation of the behaviors of clouds and chemistry within global climate models.

The Climate Model Development and Validation (CMDV) Activity in the Climate and Environmental Sciences Division (CESD), Office of Biological and Environmental Research (BER) of the Office of Science (SC), U.S. Department of Energy (DOE), is a new effort to improve climate model architecture, software, and computational design to prepare for exascale computing, to develop scale-aware physics for climate systems, and to enhance methods for model validation. This solicitation focuses mainly on the development and validation of scale-aware physics parameterizations for the atmosphere, with the goal of including these in either the current or next generation version of DOE’s Accelerated Climate Model for Energy (ACME).

**Deadlines:**
- Letter of Intent: **March 3, 2016**
- Application: **March 25, 2016**

**Department of Commerce, NIST -- Graduate Student Measurement Science and Engineering (GMSE) Fellowship Program**


NIST is soliciting proposals for a Graduate Student Measurement Science and Engineering (GMSE) Fellowship Program that will provide doctoral-level graduate students with opportunities and financial assistance to obtain laboratory experiences within the NIST laboratories in the science, technology, engineering and mathematics (STEM) disciplines. The recipient will work with NIST to foster collaborative STEM research relationships among
NIST, doctoral-level graduate students, and the students’ academic institutions. Specifically, the recipient will work cooperatively with NIST to:

1) identify (with NIST) and financially support doctoral-level graduate students to conduct on-site collaborative research with NIST staff at NIST laboratories in Gaithersburg, Maryland; Charleston, South Carolina; and/or Boulder, Colorado;
2) engage a diverse, educated, and skilled pool of scientists and engineers in measurement science and engineering at NIST with academic institution faculty and their students to enable long-term collaborative relationships between NIST, doctoral-level graduate students and the students’ academic institutions; and
3) conduct outreach to enhance student participation in the GMSE Fellowship Program in an effort to increase the STEM workforce.

Deadline: April 7, 2016

Environmental Protection Agency - Environmental Education Local Grants Program
http://www.epa.gov/education/environmental-education-ee-grant-solicitation-notic...
Under this solicitation EPA is seeking grant proposals from eligible applicants to support locally focused environmental education projects that promote environmental stewardship and help develop knowledgeable and responsible students, teachers, and citizens. This grant program provides financial support for projects that design, demonstrate, and/or disseminate environmental education practices, methods, or techniques, as described in this notice, that will serve to increase environmental literacy and encourage behavior that will benefit the environment in the local community(ies) in which it is located.

Deadline: April 8, 2016

National Institutes of Health - Stimulating Peripheral Activity to Relieve Conditions (SPARC):
Technologies to Understand the Control of Organ Function by the Peripheral Nervous System (OT1)
This NIH Funding Opportunity Announcement (FOA) solicits pre-applications to develop new and/or enhance existing tools and technologies to be used to elucidate the neurobiology and neurophysiology underlying autonomic control of organs in health or disease, which will ultimately inform next generation neuromodulation therapies. These two-year projects will facilitate technology development for neural mapping activities through the NIH SPARC Common Fund program.

NIH is seeking applicants who have an interest in ultimately submitting an application to "Stimulating Peripheral Activity to Relieve Conditions (SPARC): Technologies to Understand the Control of Organ Function by the Peripheral Nervous System (OT2)" (RFA-RM-16-003). The pre-application is the required first step in the application process for the companion. Potential applicants should read both FOAs.

Applicants whose OT1 pre-applications are found to be meritorious and programmatically relevant will be invited to submit a full application to the OT2 "Stimulating Peripheral Activity to Relieve Conditions (SPARC): Technologies to Understand the Control of Organ Function by the Peripheral Nervous System" FOA (RFA-RM-16-003). There will be substantial interaction with NIH Program Staff leading to the development of programmatic and budget elements for an acceptable OT2 application. OT2 applications must include a copy of the Invitation to Submit from the SPARC program as a requirement for submission. The Invitation to Submit an OT2 application is not an indication of any award.


Alternatives Research & Development Foundation - Alternatives Research Grant Program (Non-Animal Methods in Biomedical Research) -- Request for Proposals
http://www.arfd-online.org/
The Alternatives Research & Development Foundation, a U.S. leader in the funding and promotion of alternatives to the use of laboratory animals in research, testing, and education, is currently soliciting research proposals for its 2016 Alternatives Research Grant Program. For over 20 years, this innovative program has created opportunities for scientists who have interest and expertise in alternatives research. Preference is given to projects that use
**Deadline:** May 2, 2016

**Oak Ridge Associated Universities - Higher Education Research Experiences at Oak Ridge National Laboratory for Faculty**
http://www.orau.org/ornl/heretornl/faculty.htm
Higher Education Research Experiences at Oak Ridge National Laboratory (HERE at ORNL) provides research opportunities and associated activities for teaching and non-teaching faculty. The program is designed to complement academic programs by utilizing the unique resources of ORNL to enhance science, technology, engineering, and mathematics (STEM) education, encourage careers in science and technology, and improve scientific literacy, while at the same time contributing to the Laboratory mission.
**Suggested Deadlines:** Feb. 1, Jun. 1, Oct. 1

**Medical/Health/Behavioral Sciences**

**American Cancer Society - Institutional Research Grants**
http://www.cancer.org/research/applyforaresearchgrant/granttypes/institutional-research-grants
Institutional Research Grants are block grants averaging $90,000 per year for three years given to institutions as "seed money" for the initiation of projects by promising junior investigators.
The purpose of the Institutional Research Grants program is:
- to support the development of new investigators to conduct independent cancer research;
- to foster direct relationships between funded institutions and the local American Cancer Society; and
- to support research by newly independent investigators in areas of special interest to the society.
**Deadline:** April 1, 2016

**Lalor Foundation - Anna Lalor Burdick Program**
http://66.147.244.193/~lalorfou/?page_id=221
The Anna Lalor Burdick Program seeks to empower young women through education about healthy reproduction in order to broaden and enhance their options in life. The program focuses particularly on young women who have inadequate access to information regarding sexual and reproductive health, including comprehensive and unbiased information on contraception and pregnancy termination. While projects may take place outside the U.S., the program will only fund organizations based in the United States.
**Deadlines for concept papers:** May 1; November 1

**Department of Health and Human Services - Evidence-Based Falls Prevention Programs Financed Solely by 2016 Prevention and Health Funds (PPHF-2016)**
http://www.grants.gov/web/grants/view-opportunity.html?oppId=281349
This funding opportunity is designed to significantly increase the number of older adults and older adults with disabilities at risk for falls who participate in evidence-based community programs to reduce falls and falls risks, while concurrently increasing the sustainability of these proven programs in the aging network through innovative funding arrangements and by embedding the programs into the nation’s health and long-term services and supports systems
**Deadlines:**
Application: April 6, 2016

**Technologies to Understand the Control of Organ Function by the Peripheral Nervous System (OT1)**
This NIH Funding Opportunity Announcement (FOA) solicits pre-applications to develop new and/or enhance existing tools and technologies to be used to elucidate the neurobiology and neurophysiology underlying...
autonomic control of organs in health or disease, which will ultimately inform next generation neuromodulation therapies. These two-year projects will facilitate technology development for neural mapping activities through the NIH SPARC Common Fund program.

NIH is seeking applicants who have an interest in ultimately submitting an application to “Stimulating Peripheral Activity to Relieve Conditions (SPARC): Technologies to Understand the Control of Organ Function by the Peripheral Nervous System (OT2)” (RFA-RM-16-003). The pre-application is the required first step in the application process for the companion. Potential applicants should read both FOAs.

Applicants whose OT1 pre-applications are found to be meritorious and programmatically relevant will be invited to submit a full application to the OT2 "Stimulating Peripheral Activity to Relieve Conditions (SPARC): Technologies to Understand the Control of Organ Function by the Peripheral Nervous System" FOA (RFA-RM-16-003). There will be substantial interaction with NIH Program Staff leading to the development of programmatic and budget elements for an acceptable OT2 application. OT2 applications must include a copy of the Invitation to Submit from the SPARC program as a requirement for submission. The Invitation to Submit an OT2 application is not an indication of any award.

**Deadline:** Pre-applications due March 11, 2016, and May 16, 2016.

### Alternatives Research & Development Foundation - Alternatives Research Grant Program (Non-Animal Methods in Biomedical Research) -- Request for Proposals

[http://www.ardf-online.org/](http://www.ardf-online.org/)

The Alternatives Research & Development Foundation, a U.S. leader in the funding and promotion of alternatives to the use of laboratory animals in research, testing, and education, is currently soliciting research proposals for its 2016 Alternatives Research Grant Program. For over 20 years, this innovative program has created opportunities for scientists who have interest and expertise in alternatives research. Preference is given to projects that use pathway-based approaches as exemplified by the 2007 National Academy of Sciences report, *Toxicity Testing in the Twenty-first Century: A Vision and A Strategy*.

**Deadline:** May 2, 2016