

ESPP Funding Opportunities: Nov. 15, 2015

OPPORTUNITIES FOR STUDENTS and RECENT GRADUATES

Nuclear Energy University Programs - Fellowship and Scholarship DE-FOA-0000807

This program supports education and training for future nuclear scientists, engineers and policy-makers who are attending U.S. universities and colleges in nuclear-related graduate, undergraduate and two-year study programs. These are zero-dollar awards that will be funded as students apply through the Department of Energy, Office of Nuclear Energy.

November 30, 2015

NSF Graduate Research Fellowship Program - Graduate Research Opportunities Worldwide

The Division of Graduate Education announces the continuation of the NSF Graduate Research Fellowship Program's Graduate Research Opportunities Worldwide (GROW). GROW provides NSF Graduate Research Fellows (referred to as "Fellows") with opportunities to engage in international collaborations with investigators in partner countries around the world. Through GROW, Fellows benefit from partnerships developed by NSF with counterpart funding organizations in other countries (see <http://www.nsf.gov/grow> for a current list of countries and partner organizations). GROW offers funding for international stays of 2-12 months, with the duration varying by country and partner organization. Details for each partner organization, including eligible institutions and organizations, levels of in-country support, and any restrictions on the duration of stays, are available through links to partner websites at <http://www.nsf.gov/grow>. As additional organizations and countries develop partnerships with NSF, updates will be made to the GROW website (<http://www.nsf.gov/grow>).

Dec. 4, 2015

National Socio-Environmental Synthesis Center Postdoctoral Immersion Program

The National Socio-Environmental Synthesis Center (SESYNC), located in Annapolis, Maryland, invites applications for two-year postdoctoral fellowships that begin August 1, 2016. The Postdoctoral Socio-Environmental Immersion Program will bring early-career scholars to SESYNC to: undertake individual synthesis projects, participate in the Socio-Environmental Immersion Program, which immerses scholars in theory foundational to understanding socio-environmental systems, and enhance their collaborative network, computational skills, and understanding of the science-policy nexus.

Dec. 7, 2015

OPPORTUNITIES FOR FACULTY

EarthCube: Enterprise Governance NSF 15-603

EarthCube is a community-driven activity to transform the conduct of geosciences research and education, sponsored through a partnership between the NSF Directorate of Geosciences and Division of Advanced Cyberinfrastructure in the Directorate for Computer and Information Science and Engineering. EarthCube aims to create a well-connected and facile environment to share data and knowledge in an open, transparent, and inclusive manner, thus accelerating the ability of the geosciences community to understand and predict the Earth system. Achieving EarthCube will require a long-term dialog between NSF and the interested scientific communities to develop cyberinfrastructure that is thoughtfully and systematically built to meet the current and future needs of geoscientists. The critical importance of a community-driven and operated governance structure

for EarthCube activities has been highlighted in the past several years of EarthCube development. The EarthCube Test Enterprise Governance Project has recommended an EarthCube Governance Framework which describes the organizational units and functions necessary for EarthCube Governance.

Dec. 14, 2015

Industry/University Cooperative Research Centers Program NSF16-504

The Industry/University Cooperative Research Centers (I/UCRC) program develops long-term partnerships among industry, academe, and government. The Centers are catalyzed by an investment from the National Science Foundation (NSF) and are primarily supported by industry Center members, with NSF taking a supporting role in the development and evolution of the Center. Each Center is established to conduct research that is of interest to both the industry members and the Center faculty. An I/UCRC contributes to the nation's research infrastructure base and enhances the intellectual capacity of the engineering and science workforce through the integration of research and education. As appropriate, an I/UCRC uses international collaborations to advance these goals within the global context.

Jan. 11, 2016

V. Kann Rasmussen Foundation Environmental Projects Grants

Priority is given to projects that take stock of the scale of the environmental problem; use a systems approach to achieve change; link policy, advocacy, and practical solutions; have international significance and perspective, even if U.S. based; and are based on original thinking and creative ideas. Currently, the foundation considers projects or tools that promote ecosystem resilience and restoration of relevance to large-scale geographic areas, including many countries and continents; natural greenhouse gas sequestration and storage with the potential for large-scale impact; agro-biodiversity; and economic models of living within global limits as well as the practical implementation of change to a stable global ecosystem and sustainable consumption, production, and land use. Projects designed to communicate the importance of value-based living based on the sustainable use of water, energy, and food resources; new initiatives aimed at enhancing international cooperation and knowledge-sharing; and next generation leadership are encouraged.

Jan. 12, 2016

USAID/Ghana Agriculture and Natural Resources Management

The United States Agency for International Development (USAID) is seeking applications for a cooperative agreement from qualified U.S. and Non-U.S. organizations to fund a program entitled "USAID/Ghana Agriculture and Natural Resource Management (Ag/NRM)." The Ag/NRM Project is the main vehicle within the USAID/Ghana Feed the Future strategy to address issues of environment and natural resource management and will focus on increasing rural wealth, nutrition and climate change adaptation. To be eligible for award, the applicant must provide all information as required in this Notice of Funding Opportunity (NFO) and meet eligibility standards in Section III of this NFO.

Jan. 19, 2016

ADVANCE: Increasing the Participation and Advancement of Women in Academic Science

and Engineering Careers

The goals of the ADVANCE program are (1) to develop systemic approaches to increase the representation and advancement of women in academic STEM careers; (2) to develop innovative and sustainable ways to promote gender equity in the STEM academic workforce; and (3) to contribute to the development of a more diverse science and engineering workforce. ADVANCE also has as its goal to contribute to and inform the general knowledge base on gender equity in the academic STEM disciplines. There are three tracks with distinct purposes. The Institutional Transformation (IT) track is meant to produce large-scale comprehensive change and serve as a locus for research on gender equity and institutional transformation for academic STEM. The Institutional Transformation Catalyst (IT Catalyst) track is meant either to conduct self-assessment or to implement unique strategies – either adapted from those found effective in the IT track or ones designed to be responsive to the unique environments of eligible institutions – and evaluate their effectiveness. The Partnerships for Learning and Adaptation Networks (PLAN) track is meant to provide a larger scale environment for adapting, implementing and creating knowledge about the effectiveness of a particular strategy for change within a context of networked adaptation and learning. PLAN is focused on adaptation/implementation and learning either in particular STEM disciplines (PLAN D) or across institutions of higher education (PLAN IHE).

Full proposal deadline: Jan. 20, 2016

Long Term Research in Environmental Biology NSF16-500

The Long Term Research in Environmental Biology (LTREB) Program supports the generation of extended time series of data to address important questions in evolutionary biology, ecology, and ecosystem science. Research areas include, but are not limited to, the effects of natural selection or other evolutionary processes on populations, communities, or ecosystems; the effects of interspecific interactions that vary over time and space; population or community dynamics for organisms that have extended life spans and long turnover times; feedbacks between ecological and evolutionary processes; pools of materials such as nutrients in soils that turn over at intermediate to longer time scales; and external forcing functions such as climatic cycles that operate over long return intervals.

Jan. 25, 2016

Division of Environmental Biology (DEB) NSF15-609

The Division of Environmental Biology (DEB) supports fundamental research on populations, species, communities, and ecosystems. Scientific emphases range across many evolutionary and ecological patterns and processes at all spatial and temporal scales. Areas of research include biodiversity, phylogenetic systematics, molecular evolution, life history evolution, natural selection, ecology, biogeography, ecosystem structure, function and services, conservation biology, global change, and biogeochemical cycles. Research on organismal origins, functions, relationships, interactions, and evolutionary history may incorporate field, laboratory, or collection-based approaches; observational or manipulative experiments; synthesis activities; as well as theoretical approaches involving analytical, statistical, or computational modeling.

Preliminary proposal deadline: Jan. 25, 2016. Full proposal deadline: Aug. 2, 2016

FY16 Great Lakes Bay Watershed Education and Training Program NOAA-NOS-ONMS-2016-2004696

Office of National Marine Sanctuaries (Great Lakes Region) is seeking proposals under the Great Lakes B-WET Program. The Great Lakes B-WET Program is a competitive grant program that supports existing, high quality environmental education programs, fosters the growth of new, innovative programs, and encourages capacity building and partnership development for environmental education programs throughout the entire Great Lakes watershed. Successful projects provide Meaningful Watershed Educational Experiences (MWEEs) for students and related professional development for teachers, while advancing regional Great Lakes education and environmental priorities. This program addresses NOAA's Long-Term Goal of "Healthy Oceans: Marine fisheries, habitats, and biodiversity are sustained within healthy and productive ecosystems" and "NOAA's Engagement Enterprise Objective for An engaged and educated public with an improved capacity to make scientifically informed environmental decisions".

Jan. 29, 2016

Dimensions of Biodiversity

Despite centuries of discovery, most of our planet's biodiversity remains unknown. The scale of the unknown diversity on Earth is especially troubling given the rapid and permanent loss of biodiversity across the globe. The goal of the Dimensions of Biodiversity campaign is to transform, by 2020, how we describe and understand the scope and role of life on Earth. This campaign promotes novel integrative approaches to fill the most substantial gaps in our understanding of the diversity of life on Earth. It takes a broad view of biodiversity, and focuses on the intersection of genetic, phylogenetic, and functional dimensions of biodiversity. Successful proposals must integrate these three dimensions to understand interactions and feedbacks among them. While this focus complements several core programs in BIO and GEO, it differs by requiring that multiple dimensions of biodiversity be addressed simultaneously, in novel ways, to understand their synergistic roles in critical ecological and evolutionary processes. The Dimensions of Biodiversity program again includes partnerships with the National Natural Science Foundation of China (NSFC) and São Paulo Research Foundation (FAPESP) of Brazil in fiscal year 2016. Investigators wishing to inquire about the suitability of potential projects for Dimensions of Biodiversity are encouraged to email a brief summary and contact information to Dimensions@nsf.gov.

March 17, 2016