

ESPP Funding Opportunities: Oct. 15, 2015

OPPORTUNITIES FOR STUDENTS and RECENT GRADUATES

13th Annual P3 Awards: A National Student Design Competition for Sustainability Focusing on People, Prosperity and the Planet EPA-G2016-P3-Q3

The U.S. Environmental Protection Agency (EPA), as part of the P3-People, Prosperity and the Planet Award Program, is seeking applications proposing to research, develop, and design solutions to real world challenges involving the overall sustainability of human society. The P3 competition highlights the use of scientific principles in creating innovative projects focused on sustainability. The P3 Award program was developed to foster progress toward sustainability by achieving the mutual goals of improved quality of life, economic prosperity and protection of the planet -- people, prosperity, and the planet -- the three pillars of sustainability. The EPA offers the P3 competition in order to respond to the technical needs of the world while moving towards the goal of sustainability.
Dec. 8, 2015

OPPORTUNITIES FOR FACULTY

ROSES 2015: SERVIR Applied Sciences Team NNH15ZDA001N-SERVIR

This ROSES NRA (NNH15ZDA001N) solicits basic and applied research in support of NASA's Science Mission Directorate (SMD). This NRA covers all aspects of basic and applied supporting research and technology in space and Earth sciences, including, but not limited to: theory, modeling, and analysis of SMD science data; aircraft, scientific balloon, sounding rocket, International Space Station, CubeSat and suborbital reusable launch vehicle investigations; development of experiment techniques suitable for future SMD space missions; development of concepts for future SMD space missions; development of advanced technologies relevant to SMD missions; development of techniques for and the laboratory analysis of both extraterrestrial samples returned by spacecraft, as well as terrestrial samples that support or otherwise help verify observations from SMD Earth system science missions; determination of atomic and composition parameters needed to analyze space data, as well as returned samples from the Earth or space; Earth surface observations and field campaigns that support SMD science missions; development of integrated Earth system models; development of systems for applying Earth science research data to societal needs; and development of applied information systems applicable to SMD objectives and data.

Nov. 16, 2015

Rhinoceros and Tiger Conservation Fund F16AS00004

The Rhinoceros and Tiger Conservation Fund is soliciting proposals for the conservation of rhinoceroses and/or tigers throughout their ranges. The Rhinoceros and Tiger Conservation Act was passed in 1994 to provide financial resources for conservation of rhinoceros and tiger populations. The Rhinoceros and Tiger Conservation Fund supports projects that promote conservation through: Enhanced protection of at-risk rhinoceros and tiger populations; Protected area/reserve management in important rhinoceros and tiger range; Veterinary care for wild populations; Habitat conservation and management; Reintroduction to former range; Restoration of habitat; Wildlife inspection, law enforcement, and forensics skills; Conservation education and community outreach;

Efforts to decrease human-rhinoceros and human-tiger conflicts; Strengthening local capacity to implement conservation programs; Transfrontier rhinoceros and tiger conservation; Applied research on rhinoceros and tiger populations and their habitats, including surveys and monitoring; Development and execution of rhinoceros and tiger conservation management plans; and Compliance with applicable treaties and laws that prohibit or regulate the taking or trade of rhinoceros and tigers or regulate the use and management of their habitat; Reducing demand for illegal rhino and tiger parts, products and live animals in consumer countries; Combatting trafficking of illegal rhino and tiger parts, products and live animals. Proposed project work should occur within the rhinoceros or tiger range, or, if work is to be conducted outside of the range, the proposal should show clear relevance to rhinoceros or tiger conservation. If the project includes research, the applicant must provide a convincing argument that the research addresses priority threats and that the results are likely to result in management actions. Priority will be given to projects involving indigenous subspecies within natural range. Ex situ populations are not eligible. Funding decisions will also take in the degree of endangerment of the taxon, with more funding directed to more imperiled subspecies.

Dec. 7, 2015

Collaborate Research Grants, National Endowment for the Humanities 20151209-RZ

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

Dec. 9, 2015

Environmental System Science Department of Energy - Office of Science DE-FOQ-0001437

The Office of Biological and Environmental Research (BER) of the Office of Science (SC), U.S. Department of Energy (DOE) hereby announces its interest in receiving applications for research in Environmental Systems Science (ESS), including Terrestrial Ecosystem Science (TES) and Subsurface Biogeochemical Research (SBR). The mission of the Climate and Environmental Sciences Division (CESD) within BER is to advance a robust predictive understanding of Earth's climate and environmental systems and to inform the development of sustainable solutions to the Nation's energy and environmental challenges. The goal of the Environmental System Science (ESS) activity in the Office of Biological and Environmental Research (BER) is to advance a robust predictive understanding of terrestrial environments, extending from bedrock to the top of the vegetated canopy and from molecular to global scales in support of DOE's energy and environmental missions. Using an iterative approach to model-driven experimentation and observation, interdisciplinary teams of scientists work to unravel the coupled physical, chemical and biological processes that control the structure and functioning of terrestrial ecosystems across vast spatial and temporal scales. State-of-science understanding is captured in conceptual theories and models which can be translated into a hierarchy of computational components and used to predict the system response to perturbations caused, for example, by changes in climate, land use/cover or

contaminant loading. Basic understanding of the system structure and function is advanced through this iterative cycle of experimentation and observation by targeting key system components and processes that are suspected to most limit the predictive skill of the models.

Jan. 22, 2016

Innovative Development of Energy-Related Applied Science (IDEAS) 2015 DE-FOA-0001428

is announcement is purposely broad in scope to encourage the submission of the most innovative, out-of-the-box ideas in energy technology. Since the first law of thermodynamics states that energy is always conserved, i.e. it can never be created or destroyed, our principal concern is with the conversion of energy into useful energy or maximizing usable energy (exergy). Useful energy can take many forms including: radiant energy from lights, electrical energy for appliances, thermal energy to heat homes, mechanical energy for transportation, chemical energy in the form of food, and energy used to make products.

Oct. 5, 2016

Center for Agricultural Safety and Healthy PAR-15-353

The National Institute for Occupational Safety and Health (NIOSH)/Centers for Disease Control and Prevention (CDC) invites applications for Centers for Agricultural Safety and Health (Ag Centers). Ag Centers are expected to conduct high quality research and help translate scientific discoveries into practical applications to improve worker safety and health in the areas of agriculture, forestry, and fishing. Center functions should include developing integrated approaches that link basic science with translation and outreach activities. Center structure should take advantage of diverse scientific resources and focus on local, regional, and/or national worker safety and health issues. Centers should place emphasis on the creation and implementation of evidence-based solutions that address important agricultural safety and health problems. Collaborations with other academic institutions, nonprofit organizations, and other occupational safety and health focused groups are expected. Applicants must concisely describe the occupational health burden within their service area and directly link research and outreach activities to help alleviate the burden. Applicants should also clearly articulate the anticipated impacts of the proposed work, both during the project period and beyond.

Nov. 30, 2017