

ESPP Funding June 1, 2016

OPPORTUNITIES FOR STUDENTS and RECENT GRADUATES

Postdoctoral Research Fellowships in Biology

The Directorate for Biological Sciences (BIO) awards Postdoctoral Research Fellowships in Biology to recent recipients of the doctoral degree for research and training in selected areas supported by BIO and with special goals for human resource development in biology. The fellowships encourage independence at an early stage of the research career to permit Fellows to pursue their research and training goals in the most appropriate research locations regardless of the availability of funding for the Fellows at that site. For FY 2015 and beyond, these BIO programs are (1) Broadening Participation of Groups Under-represented in Biology, (2) Research Using Biological Collections, and (3) National Plant Genome Initiative (NPGI) Postdoctoral Research Fellowships. These areas change periodically as new scientific and infrastructure opportunities present themselves. For this reason, this solicitation will be changed as necessary to reflect the areas being funded.

Nov. 1, 2016

OPPORTUNITIES FOR FACULTY

Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science 16-544

Inclusion across the Nation of Communities of Learners of Underrepresented Discoverers in Engineering and Science (NSF INCLUDES) is a comprehensive national initiative designed to enhance U.S. leadership in science, technology, engineering and mathematics (STEM) discoveries and innovations focused on NSF's commitment to diversity, inclusion, and broadening participation in these fields. NSF INCLUDES supports efforts to develop talent from all sectors of society to build the STEM workforce. The initiative aims to improve the preparation, increase the participation, and ensure the contributions of individuals from groups that have traditionally been underrepresented and underserved in the STEM enterprise, including women, members of racial and ethnic groups, persons with disabilities, and persons with low socio-economic status. Significant advancement of these groups will result in a new generation of promising STEM talent and leadership to secure our nation's future in science and technology.

June 24, 2016

Industry/University Cooperative Research Centers Program

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.

July 11, 2016

Great Lakes Protection Fund Call for People, Ideas and Projects

The Great Lakes Protection Fund is looking for new ideas, new projects and new cohorts of people to catalyze a transition to a new era of water systems. The Fund has already invested in teams working to pilot strategies to drive changes in our existing water systems. We want to expand that portfolio, adding efforts that, for example: • test new solutions to urban storm water and rural drainage, • integrate water management, • test watershed approaches, • prototype new ways to manage coastal processes, and • demonstrate other strategies to create the building blocks for the next generation of water systems in the basin. We want to find, and fund,

people to lead the way. The Fund is interested in your best ideas, even if you feel they may not be preproposal ready. The cutoff date for preproposals is July 25, 2016 to be eligible for a funding decision at the December 2016 meeting of the Board of Directors. Please visit our website for all of the details about this call for people, ideas and projects. Please do not consider this topic of water systems the limit of what we fund or what you should consider proposing. We welcome any and all projects that are consistent with our funding guidelines. If you are interested in participating in a project, being an expert reviewer, or offering advice to the Fund, enter your information into our talent bank survey. If you want to explore an idea or discuss a potential project, email us at startaconversation@glpf.org or call Stephanie Lindloff, Project Development Manager, at 847-425-8193. Conversations are encouraged in advance of submitting preproposals.

July 25, 2016

Feed the Future Ethiopia Livelihoods for Resilience Activity Agency for International Development Ethiopia USAID-Addis Ababa RFA-663-16-000008

The United States Agency for International Development (USAID) Mission in Ethiopia requests applications from qualified and eligible organizations to manage and implement the Feed the Future Ethiopia Livelihoods for Resilience Activity as described in Section I of this RFA. This is a full and open competition, under which any type of organization, large or small, commercial (for profit) firms, faith-based, and non-profit organizations in partnerships or consortia from geographical code 935, are eligible to compete. In accordance with the Federal Grants and Cooperative Agreement Act, USAID encourages competition in order to identify and fund the best possible applications to achieve its program objectives. While for-profit firms may participate, pursuant to 2 CFR 200.400-g, it is USAID policy not to award profit under assistance instruments such as cooperative agreements. However, all reasonable, allocable, and allowable expenses, both direct and indirect, which are related to the grant program and are in accordance with applicable cost standards (2 CFR 700 and 2 CFR 230) for non-profit organizations, OMB Circular A-21 for universities, and the Federal Acquisition Regulation (FAR) Part 31 for-profit organizations), may be paid under the Cooperative Agreement. The Feed the Future Ethiopia Livelihoods for Resilience Activity for which applications are sought should subscribe to the general framework outlined by the newly launched Government of Ethiopia's PSNP 4's livelihood component, which articulates three key livelihood pathways. These are the focus of USAID Ethiopia livelihood priorities moving forward. USAID Ethiopia seeks Applications focused on four programmatic priorities: (1) on-farm income generating activities (IGAs) and crop and livestock market systems; (2) off-farm IGAs and non-farm enterprise development; (3) non-farm labor and wage employment; as well as (4) collaborative learning for scaling and sustaining gains made in the 3 livelihood - on-farm, off-farm and employment - pathways.

July 25, 2016

Long-term Exposure to Air Pollution and Development of Cardiovascular Disease Environmental Protection Agency EPA-G2016-STAR-B1

The U.S. Environmental Protection Agency (EPA), as part of its Science to Achieve Results (STAR) program, is seeking applications proposing to expand and inform the understanding of the mechanism(s) by which air pollution contributes to the development of cardiovascular disease. Specifically, research is needed to estimate the total cardiovascular risk associated with exposure to air pollution, including indicators of early subclinical damage and novel endpoints, in addition to established morbidity and mortality outcomes. Research is also needed to understand related endpoints such as markers of cardio-metabolic responses and cerebrovascular disease. In consideration of the implications of this research and of regulations promoting open access to federally funded data, the Agency is seeking applications that develop innovative methods for broad access to data generated in response to this solicitation.

Aug. 2, 2016

PA-16-263 Environmental Exposures and Health: Exploration of Non-Traditional Settings (R01) Department of Health and Human Services National Institutes of Health

The purpose of this funding opportunity announcement (FOA) is to encourage interdisciplinary research aimed at promoting health, preventing and limiting symptoms and disease, and reducing health disparities across the lifespan for those living or spending time in non-traditional settings (i.e. playgrounds and nursing homes).

These settings result in exposure to environmental pollutants and toxins that result in health risks, symptoms, and other health conditions/diseases; including lower respiratory disease, chronic obstructive pulmonary disease, cardiovascular disease, and complex environmental exposures that may be exacerbated by non-chemical stressors encountered in community settings, physiological function of organs and systems of the fetus/child/adolescence, and lower respiratory disease. Risk identification and symptom management include prevention and behavior changes and actions to maintain health and prevent disease with an emphasis on the individual, family, and community which will advance nursing science. For purposes of this FOA, non-traditional settings include, but are not limited to, places such as community centers; pre-school and non-traditional school environments (e.g., churches, daycare, home-based schools, dormitories, alternative schools, and playgrounds); child and older adult foster care facilities; older adult day care facilities; half-way homes; and assisted living and long-term care facilities.

Sept. 7, 2016

Research Experiences for Teachers in Engineering and Computer Science 15-536

The Directorate for Engineering (ENG) and the Directorate for Computer and Information Science and Engineering (CISE), have joined to support the Research Experiences for Teachers (RET) in Engineering and Computer Science program. This program supports active long-term collaborative partnerships between K-12 Science, Technology, Engineering, Computer and Information Science, and Mathematics (STEM) teachers and community college and university faculty and students to bring knowledge of engineering or computer and information science and engineering as well as technological innovation to pre-college/community college classrooms. The goal of these partnerships is to enable K-12 STEM teachers and community college faculty to translate their research experiences and new knowledge gained in university settings into their classroom activities. The university team will include faculty, graduate and undergraduate students as well as industrial advisors. Involvement of graduate students in support of academic-year classroom activities is particularly encouraged. Partnerships with inner city, rural or other high needs schools are especially encouraged, as is participation by underrepresented minorities, women, and persons with disabilities.

Nov. 1, 2016

Cultivating Cultures for Ethical STEM

Cultivating Cultures for Ethical STEM (CCE STEM) funds research projects that identify factors that are efficacious in the formation of ethical STEM researchers in all the fields of science and engineering that NSF supports. CCE STEM solicits proposals for research that explores the following: ‘What constitutes ethical STEM research and practice, and which cultural and institutional contexts promote ethical STEM research and practice and why?’ Factors one might consider include: honor codes, professional ethics codes and licensing requirements, an ethic of service and/or service learning, life-long learning requirements, curricula or memberships in organizations (e.g. Engineers without Borders) that stress social responsibility and humanitarian goals, institutions that serve under-represented groups, institutions where academic and research integrity are cultivated at multiple levels, institutions that cultivate ethics across the curriculum, or programs that promote group work, or do not grade. Do certain labs have a ‘culture of academic integrity’? What practices contribute to the establishment and maintenance of ethical cultures and how can these practices be transferred, extended to, and integrated into other research and learning settings?

Feb. 2, 2017