ESPP Funding Opportunities: June 1, 2014

OPPORTUNITIES FOR STUDENTS

NSF Earth Sciences Postdoctoral Fellowships - NSF EAR-PF 13-548 replaces 10-500

The Division of Earth Sciences (EAR) awards Postdoctoral Fellowships to recent recipients of doctoral degrees for research and training in topics relevant to Earth sciences. The fellows must develop and implement 1) research projects that seek to address scientific questions within the purview of EAR programs and 2) plans to broaden participation in Earth sciences.
July 18, 2014

International Research Experience for Students (IRES) - NSF 12-551 replaces 04-036

The International Research Experiences for Students (IRES) program supports development of globally-engaged U.S. science and engineering students capable of performing in an international research environmental at the forefront of science and engineering. The IRES program supports active research participation by students enrolled as undergraduates or graduate students in any area of research funded by the National Science Foundation.
August 19, 2014

OPPORTUNITIES FOR FACULTY

Opportunities for Promoting Understanding through Synthesis (OPUS) - NSF 14-559 replaces 12-506

All four clusters within the Division of Environmental Biology (Population and Community Ecology, Ecosystem Science, Evolutionary Processes and Systematic Biology and Biodiversity Inventories) encourage the submission of proposals aimed at synthesizing a body of related research projects conducted by a single individual or a group of investigators over an extended period. OPUS proposals will often be appropriately submitted in mid-to-late career, but will also be appropriate early enough in a career to produce unique, integrated insight useful both to the scientific community and to the development of the investigator's future work. In cases where multiple scientists have worked collaboratively, an OPUS award will provide support for collaboration on a synthesis.
August 1, 2014

National Integrated Water Quality Program - USDA-NIFA-ICGP-004527

The goal of the National Integrated Water Quality Program (NIWQP) is to contribute to the improvement of the quality of surface water and groundwater resources through

research, education, and extension activities. Projects funded through this program will work to solve water resource problems by advancing and disseminating the knowledge base available to agricultural, rural, and urbanizing communities. Funded projects should lead to science-based decision making and management practices that improve the quality of the Nation's surpvace water and groundwater resources in agriculture, rural and urbanizing water sheds. See RFA for priority areas.
July 3, 2014

Integrated Earth Systems NSF 12-613
Integrated Earth Systems (IES) is a program in the Division of Earth Sciences (EAR) that focuses on the continental, terrestrial and deep Earth subsystems of the whole Earth system. The overall goal of the program is to provide opportunity for collaborative, multidisciplinary research into the operation, dynamics and complexity of Earth systems at a budgetary scale between that of a typical project in the EAR Division's disciplinary programs and larger scale initiatives at the Directorate or Foundation level.
Nov. 14, 2014 (Nov. 14 annually)

Ecology and Evolution of Infectious Diseases - NSF 13-577 replaces 12-587
The Ecology and Evolution of Infectious Diseases program supports research on the ecological, evolutionary, and socio-ecological principles and processes that influence the transmission dynamics of infectious diseases. The central theme of submitted projects must be quantitative or computational understanding of pathogen transmission dynamics. The intent is discovery of principles of infectious disease transmission and on testing mathematical or computational models that elucidate infectious disease systems. Projects should be broad, interdisciplinary efforts that go beyond the scope of typical studies. They should focus on the determinants and interactions of transmission among humans, non-human animals, and/or plants.
November 19, 2014 Full proposal deadline: Third Wednesday in November annually thereafter

Geomorphology and Land Use Dynamics - NSF 14-550 replaces 09-537
Geomorphology and Land-Use Dynamics supports innovative research into processes that shape and modify landscapes over a variety of length and time scales. The program encourages research that investigates quantitatively the coupling and feedback among such processes, their rates, and their relative roles, especially in the context of variation in climatic and tectonic influences and in light of changes due to human impact.
July 16, 2014

Air, Climate and Energy (ACE) Centers: Science Supporting Solutions EPA-G2014-STAR-J1
The USEPA STAR program is seeking applications for Air, Climate and Energy (ACE)

Centers. EPA is interested in supporting research on development of sound science to systematically inform policy makers at the state and local levels.
Sept. 4, 2014

Research in Engineering Education (REE) PD-10-1340
The Division of Engineering Education and Centers (EEC) supports creation of a more agile engineering education ecosystem, equally open and available to all members of society, that dynamically and rapidly adapts to meet the changing needs of society and the nation's economy. Research is sought that will inform systematic change across all parts of the ecosystem.
Sept. 18. 2014

Geotechnical Engineering (GTE) PD-12-1636
The GTE program supports fundamental research on geotechnical engineering aspects of civil infrastructure, such as site characterization, foundations, earth retaining systems, underground construction, excavations, tunneling and drilling.
Oct. 1, 2014

Hazard Mitigation and Structural Engineering (HMSE) - PD-13-1637
The Hazard Mitigation and Structural Engineering (HMSE) program supports fundamental research to mitigate impacts of natural and anthropogenic hazards on civil infrastructure and to advance the reliability, resiliency and sustainability to buildings and other structures
Oct. 1, 2014

Civil Infrastructre Systems PD-12-1631
The Civil Infrastructure Systems (CIS) program supports research leading to the engineering of infrastructure systems for resilience and sustainability without excluding other key performance issues.
Oct. 1, 2014

Innovation Corps Sites Program NSF-14-547 replaces 12-604
The National Science Foundation (NSF) seeks to develop and nurture a national innovation ecosystem that builds upon research to guide the output of scientific discoveries closer to the development of technologies, products and processes that benefit society.
June 27, 2014

Sociology NSF PD-98-1331
The Sociology Program supports basic reearch on all farms of human social organization - societies, institutions, groups and demogracy - and processes of individual and institutional change. The program encourages theoretically focused empirical investigations aimed at improving the explanation of fundamental social

processes. Included is research on organizations and organizational
Aug. 15, 2014

Marine Geology and Geophysics NSF PD-98-1620
The Marine Geology and Geophysics program supports research on all aspects of geology and geophysics of the ocean basins and margins, as well as the Great Lakes.
Aug. 15, 2014

Chemical Oceanography NSF PD-98-1670
The Chemical Oceanography Program supports reearch into the chemical components, reaction mechanisms, and geochemical pathways within the ocean and at its interfaces with the solid earth and the atmosphere. Major emphases include: studies of material inputs to and outputs from marine waters; orthochemical and biological production and transformation of chemical compounds and phases within the marine system; and the determination of reaction rates and study of equilibria.
Aug. 15, 2014

Geobiology and Low-Temperature Geochemistry NSF 09-552 replaces 06-563
The Geobiology and Low-Temperature Geochemistry Program supports research on 1) the interactions between biological and geological systems at all scales of space and time; 2) geomicrobiology and biomineralization processes; 3) the role of life in the transformation and evolution of the Earth's geochemical cycles; 4) inorganic and organic geochemical processes occurring at or near the Earth's surface now and in the past, and at the borad spectrum of interfaces ranging in scale from planetary and regional to mineral-surface and supramolecular; 5) mineraology and chemical of soils and sediments; 6) surficial chemical and biogeochemical systems and cycles and their modification through natural and anthropogenic change; and 7) development of tools, methods, and models fro low-temperature geochemistry and geobiological research - such as those emerging from molecular biology - in the study of the terrestrial environment.
July 16, 2014

Faculty Early Career Development (CAREER) Program ENG-NSF 14-532
ENG/Engineering Directorate: The Faculty Early Career Development (CAREER) Program is a foundation-wide activity that offers the National Science Foundation's most prestigious awards in support of junior faculty who exemplify the role of teacher-scholars through outstanding research, excellent education and the integration of education and research within the context of the mission of their organizations.
July 22, 2014

Advancing Informal STEM Learning (AISL) NSF 14-555 replaces 13-608
Science Learning + Planning Proposal: Science Learning+ is a partnership program

with The Wellcome Trust and Economic and Social Research Council (ESRC) in the United Kingdom (UK) and NSF in the United States. Lead institutions in the UK apply through the Wellcome Trust (subawards to institutions in the US are acceptable) and lead institutions in the US apply through NSF (subawards to institutions in the UK are acceptable). The vision transformational step to improve the knowledge bases and practices of informal STEM experiences to better understand, strengthen and coordinate their vital role in STEM engagement and learning.

July 10, 2014