

Below please find recently-announced grant and other announcements. Previously-posted grants are available on our [funding pages](#).

Please send Jon MacDonagh-Dumler (macdon47@msu.edu) information you think should be included, especially about interdisciplinary environmental conferences.

ESPP Funding Opportunities: February 25, 2013

NSF 13-046 Dear Colleague Letter: Workshop for Engaging Social, Behavioral, and Economic Scientists through Social and Policy Entrepreneurship

Full Proposal Deadline Date: March 29, 2013

The Directorate for Social, Behavioral, and Economic Sciences (SBE) seeks to explore possible avenues for guiding scientific discoveries closer to the development of public policy and social ventures. Proposals should have as their goal the development of high quality collaborations to advance social science engagement with public policy and social ventures - specifically, via a **workshop to be held in July or August 2013**. SBE expects to **fund 1-2 workshops** each with a total cost of up to \$50,000.

OPPORTUNITIES FOR FACULTY

Biology

Dimensions of Biodiversity FY2013 NSF 13-536

Anticipated Type of Award: Standard Grant or Continuing Grant

Estimated Number of Awards: 10 Awards contingent on availability of funds

Anticipated Funding Amount: \$18,000,000 to \$24,000,000

NSF anticipates that at least \$18,000,000 will be available in Fiscal Year 2013. Research awards will be up to five years duration and up to a total of \$2,000,000 for individual or collaborative projects. This upper limit does not include costs of facilities or ship time. Up to two US-China Collaborative Research Project awards will be funded at a level of up to \$2,000,000 over 5 years from NSF plus up to 3,000,000 yuan from NSF-China. Up to two 5-year US-São Paulo Collaborative Research Project awards will be funded by NSF to the US components and by FAPESP (São Paulo Research Foundation) to the São Paulo components. Each project will be funded at a level of up to \$2,000,000 by each foundation for their corresponding researchers, for a total project cost of up to \$4,000,000 over 5 years. NASA plans to make up to \$2,000,000 available to provide funding for awards, or parts of awards, that are of interest to NASA.

The Dimensions of Biodiversity campaign seeks to characterize biodiversity on Earth by using integrative, innovative 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 currently focuses on the integration of genetic, taxonomic/phylogenetic, and functional dimensions of biodiversity. Successful proposals should integrate these three

dimensions to understand interactions and feedbacks among them. While this focus complements several core NSF programs, it differs by requiring that multiple dimensions of biodiversity be addressed simultaneously, in innovative or novel ways, to understand their synergistic roles in critical ecological and evolutionary processes. Dimensions of Biodiversity FY2013 again includes a partnership with NASA. The partnership will support the use of satellite remote sensing as a tool to address research questions that integrate the genetic, taxonomic/phylogenetic, and functional dimensions of biodiversity. The partnerships with NSF-China and São Paulo Research Foundation (FAPESP) of Brazil will also continue in FY2013, however they will include only collaborative research proposals because the IRCN option with NSF-China has been dropped. Investigators wishing to inquire about the suitability of potential projects are encouraged to email a brief summary and contact information to Dimensions@nsf.gov.

Chemistry

EPA/NSF Networks for Characterizing Chemical Life Cycle – NCCLC NSF 13-524

Full Proposal Deadline: March 18, 2013

Anticipated Type of Award: Standard Grant or Continuing Grant

Estimated Number of Awards: 2 to 4 Awards will be funded by either EPA or NSF.

Anticipated Funding Amount: \$2,000,000 to \$12,000,000

Two to four awards are anticipated in FY 2013.

Each award is limited to a maximum of \$1,250,000 per year for four years (or \$5,000,000 total, including direct and indirect costs).

This solicitation is jointly sponsored by the U.S. Environmental Protection Agency (EPA) and the U.S. National Science Foundation (NSF) Division of Chemistry (CHE) to encourage synergy and enhance cooperation in examining the life cycles of synthetic chemicals and materials as they relate to their manufacture, use, transport, and disposal or recycle. The Networks for Characterizing Chemical Life Cycle (NCCLCs) will promote development of trans-disciplinary, systems- and molecular-level understanding of the life cycle of important (relevant) synthetic chemicals and materials (including nanomaterials) as these distribute and are potentially altered through use in society and interaction with the built and natural environments.

It is expected that research teams in the NCCLC awarded under this solicitation will coordinate / communicate with the funded research networks from the EPA/NSF Networks for Sustainable Molecular Design and Synthesis (NSMDS) solicitation (see: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=504822). The researchers working in these two network groups are expected to conduct complementary research and; thus, will benefit from interaction with each other at annual EPA All-Investigators Meetings (also known as progress reviews).

Water

Water Center Grant

The University of Michigan Water Center solicits applications for funding to support and enhance restoration efforts within the Great Lakes basin. Up to \$3.7 million dollars will be awarded to high quality projects that can demonstrate specific benefits in terms of advancing restoration approaches in the Great Lakes. This request for proposals is an important part of the Center's efforts to enhance restoration activities by engaging the region's best scientific minds in advancing evaluation and assessment of restoration projects. Through this process we also seek to improve restoration and protection technologies and techniques and develop a collective framework for large-scale restoration and protection efforts.

Water Sustainability and Climate NSF 13-535

Full Proposal Deadline: September 10, 2013

Anticipated Type of Award: Standard Grant or Continuing Grant or Cooperative Agreement

Estimated Number of Awards: 0 to 24

Three categories of awards are anticipated for this solicitation.

Category 1 Awards: An estimated 4-8 awards are expected to be made.

Small team synthesis, modeling, integration and assessment projects that will use existing data (or new measurements) to study entire watersheds and groundwater sites. Both NSF and USDA/NIFA funds will be used to support this category. Projects will have a duration of 2-4 years for a maximum of \$600,000 for each award.

Category 2 Awards: An estimated 2-5 awards are expected to be made.

Place-based modeling studies with new observations, 3 to 5 years in duration and in the range of \$2million to \$4million maximum for each project.

Category 3 Awards: An estimated 6-8 awards are expected to be made.

Synthesis, modeling and integration grants that will use only existing data to integrate and synthesize across watershed and groundwater sites. Both NSF and USDA/NIFA funds will be used to support this category. Project duration of 3-5 years and in the range of \$1 million to \$2.5 million maximum for each project.

Anticipated Funding Amount: \$26,000,000 pending availability of funds.

Of this amount, NIFA anticipates contributing approximately \$5,000,000 pending appropriation action to make standard grants.

The goal of the Water Sustainability and Climate (WSC) solicitation is to enhance the understanding and predict the interactions between the water system and land use changes (including agriculture, managed forest and rangeland systems), the built environment, ecosystem function and services and climate change/variability through place-based research and integrative models. Studies of the water system using models and/or observations at specific sites, singly or in combination, that allow for spatial and temporal extrapolation to other regions, as well as integration across the different processes in that system are encouraged, especially to the extent that they advance the development of theoretical frameworks and predictive understanding. Successful proposals are expected to study water systems in their entirety and to enable a new interdisciplinary paradigm in water research.