November 2, 2011

Below please find recently-announced grants and other announcements.Previously-posted grants are available on our funding pages.

Also, just an alert about some ESPP funding opportunities. We have ongoing conference travel funding for all graduate students, not just those in the ESPP specialization. Deadlines are quarterly; the next one is January 15. Also, with the Center for Water Sciences, ESPP has two grants focused on water research. Water Initiative Research Grants (WIRG) are intended to support interdisciplinary research efforts that advance water sciences and lead to application for major external funding. Deadlines are December 15 and April 15. The Visiting Water Scholar Program (VWSP) will bring experts to MSU for extended visits with the goal of fostering interdisciplinary initiatives through active engagement with researchers on campus.

Below please find:

**Reports and announcements**: New environment books at MSU Libraries; comments requested on government environmental justice plans, NOAA Oceanic and Atmospheric Research, and Department of Transportation efficiency initiative

**Opportunities for students and recent graduates**:  
1. **Graduate funding**: small water research grants; fellowships in marine biology (NOAA), sustainability science (Harvard), computational science, and for research in Egypt  
2. **Postdocs and faculty jobs**: postdocs related to climate change (UCAR), marine biology (Woods Hole), tropical biology (Smithsonian), sustainability science (Harvard), Great Lakes invasives (GLERL), values and public policy (Princeton). Jobs at EDF in social science and DePaul in sustainability science.

**Opportunities for faculty**:  
1. **Energy**: methane internationally, solar power  
2. **Infrastructure**: NSF Major Research Instrumentation, field station improvements  
3. **Sabbaticals**: water fellowships at UNC, White House Fellowships  
4. **Various**: Department of Defense SERDP program, NIH systems science and health, specialty crops, career enhancement for minority faculty

**REPORTS AND ANNOUNCEMENTS**

New environment books at the MSU Libraries – October 31 list  
Thanks to librarian Jon Harrison for this. MSU Libraries regularly updates this site with new environmental-related resources.

Comments requested, environmental justice agency plans  
Several federal agencies have recently released environmental justice strategies, complying with an August Memorandum of Understanding. These agencies are holding public comment periods on draft strategies: Department of Housing and Urban Development (through November 14); and Department of Labor (through November 18)

Comments requested on strategic plan, Office of Oceanic and Atmospheric Research, NOAA November 11, 2011

Comments requested, Every Day Counts Innovation Initiatives, Department of Transportation
Request for information “regarding innovations that have the potential to transform the way we do business by...protecting the environment.” Focus on ideas for accelerated deployment of proven processes or technologies to increase transportation efficiency.

December 1, 2011

OPPORTUNITIES FOR STUDENTS AND RECENT GRADUATES

1. Graduate funding

Water-Related Projects, PADI Foundation
Supports “underwater science, environmental projects, and education...that [enriches] mankind's understanding of the aquatic environment and encourage sensitivity to and protection of the delicate ecological balance of underwater life.” $2,000-$10,000. About 40 awards annually.
January 31 (annual)

Dr. Nancy Foster Scholarship Program, NOAA
For Master’s and PhD research in oceanography, marine biology, or maritime archaeology. Particularly intended for women and minorities. For students enrolled or about to enroll in graduate school. Two - four years of support. $30,000/ year stipend + tuition and research funds. Four awards annually.
February 10 (annual)

Fellowships in Sustainability Science, Harvard University
Residential fellowships, for advanced doctoral students, postdocs, or mid-career professionals. Focal areas include India, China, Brazil, and innovation. $28,000/ year for doctoral students and $55,000 for postdocs. One semester - two years. 10 - 15 awards annually.
January 15 (annual)

Computational Science Graduate Fellowship, Krell Institute, Department of Energy
For doctoral students in fields that use high performance computing to solve complex science and engineering problems. Students in their first or second year of graduate study in engineering, mathematics, or the physical, computer, or life sciences are eligible. Up to four years of support. $36,000 annually.
January 10 (annual)

Fellowships for Research in Egypt, The American Research Center in Egypt
For research in the humanities, fine arts, and social sciences. Funds for dissertation work and postdocs.
January 15 (annual)

2. Postdocs and faculty jobs

Postdoctoral opportunities related to climate change, University Corporation for Atmospheric Research
Multiple opportunities. Postdocs Applying Climate Expertise (PACE) program looks as translation of climate science into decision tools; also Climate and Global Change Postdoctoral Fellowships.
January 4, January 18 (annual)

Postdoctoral Scholar Program, Marine Biological Laboratory, Woods Hole Oceanographic Institution
For researchers with backgrounds in fields of chemistry, engineering, geology, geophysics, mathematics, meteorology, physics, and biology as well as oceanography. Must have received PhD within last two-three years. 18 months. $56,000/ year.
January 15 (annual)

Tupper Postdoctoral Fellowships in Tropical Biology, Smithsonian Tropical Research Institute
For a project on a subject related to STRI research interests, which include anthropology and ecology. Three years of support. $40,000/ year plus travel and research. One fellowship awarded annually. Shorter
postdoctoral research opportunities are also available.  
January 15 (annual)

**Fellowships in Sustainability Science**. Harvard University  
Residential fellowships, for advanced doctoral students, postdocs, or mid-career professionals. Focal areas include India, China, Brazil, and innovation. $28,000/ year for doctoral students and $55,000 for postdocs. One semester - two years. 10 - 15 awards annually.  
January 15 (annual)

**Postdocs**. Great Lakes Environmental Research Laboratory (GLERL), NOAA  
National Research Council-funded postdocs with GLERL scientists in Ann Arbor. Projects focus on understanding ecosystem changes driven by dreissenid mussels and other invaders particularly in Lakes Michigan and Huron. Up to two years of support.  
Deadline unclear

**Postdoctoral Fellowship in Values and Public Policy**. Princeton University  
For scholars trained in philosophy, political theory, normative economics and related areas to study the ethical dimensions of public policy. Focal areas include environmental policy, population, health, democratic processes, information technology policy and global governance. Must have held a Ph.D. for less than three years by September 1, 2012.  
December 15 (annual)

**Senior Social Scientist**. Environmental Defense Fund  
Responsible for introducing and integrating social science concepts into EDF’s work. Thanks to Tom Dietz for sharing this.  
No deadline given

**Assistant Professor in Sustainability Studies**. DePaul University in Chicago  
Thanks to Tom Dietz for sharing this.  
November 15, 2011

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**OPPORTUNITIES FOR FACULTY**

1. **Energy**

**Activities That Reduce Global Anthropogenic Methane Emissions**. EPA  
For international activities in support of the Global Methane Initiative. For research and other projects that advance methane abatement and/or recovery and use as a clean energy source.  
January 19, 2012

**SunShot Concentrating Solar Power Research and Development**. Department of Energy  
For research that develops highly disruptive Concentrating Solar Power technologies. Topics include: advanced collectors; advanced receivers; advanced power cycles; and seedling CSP concepts.  
*Preliminary applications due November 22, 2011; full applications due February 7, 2012*

2. **Infrastructure**

**Major Research Instrumentation Program**. National Science Foundation  
*Internal MSU deadline December 16; NSF deadline January 26 (annual)*

**Improvements in Facilities, Communications, and Equipment at Biological Field Stations and Marine Laboratories**. NSF  
January 17, 2012
3. Sabbaticals

Fellowships on water, Global Research Institute, University of North Carolina at Chapel Hill
Focus is “Making Scarce Water Work for All.” Fellowships available for one or two semesters. Up to $70K. Thanks to Mark Axelrod for sharing this.
January 30, 2012

White House Fellowships, Office of the White House
Applicants must be early career. Typically spend a year working as a full-time, paid Fellow to senior White House Staff, Cabinet Secretaries and other top-ranking government officials.
January 13 (annual)

4. Varied

Strategic Environmental Research and Development Program (SERDP), Department of Defense
For research in areas of “Environmental Restoration” and “Resource Conservation and Climate Change,” among others. Specific topics include remediation, soil ecology, and climate change impacts to Department of Defense installations.
January 5 (annual)

Systems Science and Health in the Behavioral and Social Sciences (R01, R21), NIH
For projects utilizing systems science methodologies relevant to human behavioral and social sciences and health. Includes environmental health.
February 5, June 5, October (annual)

Specialty Crop Research Initiative, USDA
To solve critical industry issues through research and extension activities. For research in one of five focus areas: plant breeding, genetics, and genomics; addressing threats from pests and diseases; improving production; new innovations and technology; addressing to potential food safety hazards.
Notice of intent due November 25, 2011; full application due January 31, 2012

Career Enhancement Fellowships for Junior Faculty, Woodrow Wilson National Fellowship Foundation
To increase the presence of minority junior faculty committed to eradicating racial disparities in core fields in the arts and sciences. $30,000 stipend.
November 18, 2011