

# Funding Bulletin

Funding Opportunities for Research, Instruction, Service, Creative Activities  
Fellowships and International Programs

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## Program Information

To receive program descriptions and application forms for funding opportunities, please contact Beverly Page, Information Specialist, Research and Sponsored Programs, phone: (785)532-5045, e-mail: [bbpage@ksu.edu](mailto:bbpage@ksu.edu)

## AGRICULTURE

### 18-1 Develop Risk Assessment and Data Evaluation Methodologies for the Potential Ecological Impacts of Plant-Incorporated Protectants (EPA)

The United States Environmental Protection Agency (EPA) National Center for Environmental Assessment is issuing this initial announcement of a Request for Applications for cooperative agreements to provide assistance to Develop Risk Assessment and Data Evaluation Methodologies for the Potential Ecological Impacts of Plant-Incorporated Protectants. The scope of this assistance will be limited to field assessment of Insecticide Resistance Management (IRM) for Plant-Incorporated-Protectants (PIPs) and non-target and ecosystem impacts from crops containing PIPs. CFDA #66.511  
**URL:** [http://es.epa.gov/ncer/rfa/2004/2004\\_risk\\_assesment.html](http://es.epa.gov/ncer/rfa/2004/2004_risk_assesment.html)  
**Deadline:** 6/22/2004

### 18-2 Integrated Organic Program (USDA)

The Cooperative State Research, Education, and Extension Service (CSREES) requests applications for the Integrated Organic Program for fiscal year 2004 to solve critical organic agriculture issues, priorities, or problems through the integration of research, education, and extension activities in two program areas: 1) Organic Transitions Program (ORG); and 2) Organic Agriculture Research and Extension Initiative (OREI). ORG funds the development and implementation of research, extension and higher education programs to improve the competitiveness of organic producers. OREI funds research and extension programs that enhance the ability of producers and processors who have already adopted organic standards to grow and market high quality organic food, feed, and fiber. USDA-GRANTS-041504-001 (FG 4/15/04)  
**URL:** <http://www.csrees.usda.gov/fo/fundview.cfm?fonum=1141>  
**Deadline:** 6/10/2004

### 18-3 OPP Pesticide Research and Training Program; Notice of Funds Availability (EPA)

EPA's Office of Pesticide Programs (OPP) is soliciting proposals from colleges, uni-

versities, and other institutions to train graduate and undergraduate students from culturally diverse backgrounds in the Agency's regulatory support and laboratory research activities. These activities are undertaken to provide safer, reduced risk pesticides and to protect public health and the environment. This program will support laboratory research training in areas such as deoxyribonucleic acid (DNA) microarray analysis of toxicogenomic effects of pesticides on cell response and regulatory support training in areas such as the development of assessments of pesticide use patterns. CFDA #66.607 (FR 4/28/04)  
**URL:** <http://www.epa.gov/fedrgstr/>  
**Deadline:** 5/28/2004

## ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

### 18-4 Water Cycle Research (NSF)

The scope of this Program Solicitation encompasses innovative basic research that contributes to an enhanced understanding of the water cycle and its function as a transport agent for energy and mass (water and biologically/geochemically reactive substances). Proposals giving specific attention to 1) mass and energy transfer across the interfaces between land-atmosphere, land-ocean and ocean-atmosphere; 2) research that crosses traditional NSF Division (Atmospheric, Earth and Ocean Sciences) boundaries; and/or 3) research that crosses disciplinary boundaries with appropriate research teams are especially encouraged. This Solicitation encourages investigators to integrate research and build interdisciplinary research teams to pursue topics that cannot readily be addressed by individual core programs within the National Science Foundation. NSF 04-577 (4/22/04)  
**URL:** <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf04577>  
**Deadline:** 7/26/2004

### 18-5 Geospace Environment Modeling (GEM) (NSF)

GEM is a broad-based, community-initiated research program on the physics of the Earth's magnetosphere and the coupling of the magnetosphere to the atmosphere and to the solar wind. The purpose of the GEM program is to support basic research into the dynamical and structural properties of geospace, leading to the construction of a global Geospace General Circulation Model (GGCM) with predictive capability. This GGCM model will be modularized and will complement parallel developments of magnetohydrodynamic models. The strategy for achieving GEM goals is to undertake a series of campaigns, in both theory and observational modes, each

focusing on particular aspects of the geospace environment. NSF 04-576 (4/22/04)

**URL:** <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf04576>

**Deadline:** 10/15/2004

### 18-6 CEDAR, GEM, and SHINE Postdoctoral Research (NSF)

The Coupling, Energetics, and Dynamics of Atmospheric Regions (CEDAR) program, the Geospace Environment Modeling (GEM) program, and the Solar, Heliosphere and Interplanetary Environment (SHINE) program are special programs within the Aeronomy, Magnetospheric Physics and Solar-Terrestrial Research programs in the Atmospheric Sciences Division of the Geosciences Directorate. These three programs each involve specific regions of the space environment and the way these regions interact. Each of the programs has its own Program Solicitation, but they also have a common commitment to support researchers who have recently received their Ph.D. degree, allowing them to request limited support for CEDAR/GEM/SHINE research activities of their own devising. NSF 04-573 (4/8/04)

**URL:** <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf04573>

**Deadline:** 2/1/2005

### 18-7 Fire, Climate, and Air Quality (EPA)

The Environmental Protection Agency, as part of its Science to Achieve Results (STAR) program, is seeking applications for research into the complex relationship of fires, climate change, and air quality. Successful proposals for this solicitation will address one or more of the following research topics within the context of climate change: What effects might predicted changes in climate have on wildfires and consequently U.S. air quality? How might the combination of climate change with fire, forest, and agricultural management strategies affect fire frequency, intensity, and air pollutant emissions? What are the trade-offs in air pollutant emissions between managed fire and catastrophic wildfire? What methods can be used to credibly project changes in biogenic emissions resulting from land-cover shifts over long-time frames (e.g., to 2050 and beyond) due to fires, fire management and changes in fires due to climate change? How might future patterns of urban, suburban, and rural development affect natural and managed fires under conditions of a changing climate? EPA-GRANTS-042004-004 (FG 4/22/04)  
**URL:** [http://es.epa.gov/ncer/rfa/2004/2004\\_fire\\_climate.html#Contact](http://es.epa.gov/ncer/rfa/2004/2004_fire_climate.html#Contact)  
**Deadline:** 7/22/2004

### 18-8 Visiting Scientist Positions, Astronomy and Physics Division (NASA)

NASA's Office of Space Science (OSS) is seeking up to three experienced scientists who are currently employed at U.S. research institutions of any type to fill visiting scientist positions within the Astronomy and Physics Division, NASA Headquarters, Washington, DC. These positions are normally filled for two years, extendible to four years, by individuals on leave from their home institution. Positions are available in high-energy astrophysics, optical/ultraviolet astrophysics, and astrophysical theory. Visiting scientists are expected to play a leadership role in developing budgets, program plans, and long range strategic plans that define the future NASA astrophysics program.

URL: <http://spacescience.nasa.gov>

Deadline: N/A

## HEALTH & LIFE SCIENCES

### 18-9 Diet, Epigenetic Events, and Cancer Prevention (NIH)

The NCI invites applications for new R01, R21, and R03 grants which are focused on research leading to the elucidation of mechanism(s) by which dietary factors influence epigenetic processes as well as increasing the understanding of these processes in cancer prevention. The objective is to encourage collaboration between nutrition and epigenetic experts to study bioactive food components with cancer preventative properties, and to examine key epigenetic events in cancer processes (i.e., carcinogen metabolism, cell division, differentiation, apoptosis) so that investigators can begin to establish linkages between epigenetics, methylation pattern, and tumor incidence/behavior. PA-04-099 (NIHG 4/30/04)

URL: <http://grants.nih.gov/grants/guide/pa-files/PA-04-099.html>

Deadline: 6/1/2004, 10/1/2004, 2/1/2005

### 18-10 Health Protection Research Initiative Mentored Research Scientist Development Award (CDC)

The Centers for Disease Control and Prevention (CDC) Office of Public Health Research (OPHR) announces the availability of FY 2004 public health research funds to support the development of a qualified and experienced cadre of independent public health researchers to address priority health protection issues. Health protection should be interpreted to include activities that 1) promote health/or prevent disease, injury, or disability or 2) protect people from health threats including infectious, environmental, and terrorist threats. RFA-CD-04-001 (NIHG 4/23/04)

URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-CD-04-001.html>

Deadline: Letters of Intent 5/24/2004, Applications 6/22/2004

### 18-11 Health Protection Research

### Initiative Institutional Research Training Grant (CDC)

The Centers for Disease Control and Prevention (CDC) Office of Public Health Research (OPHR) announces the availability of FY 2004 public health research funds for institutional training grants to eligible institutions to develop or enhance training programs to provide research training opportunities for individuals, selected by the institution, who are training for careers in specified areas of health protection research. Health protection should be interpreted to include activities that 1) promote health and/or prevent disease, injury, or disability or 2) protect people from health threats including infectious, environmental, and terrorist threats. RFA-CD-04-003 (NIHG 4/23/04)

URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-CD-04-003.html>

Deadline: Letters of Intent 5/24/2004, Applications 6/21/2004

### 18-12 Health Protection Research Initiative Investigator Initiated Research (CDC)

The Centers for Disease Control and Prevention (CDC), Office of Public Health Research (OPHR) announces the availability of fiscal year (FY) 2004 public health research funds to support innovative public health research that addresses priority health protection issues. Health protection should be interpreted to include activities that 1) promote health and/or prevent disease, injury, or disability or 2) protect people from health threats including infectious, environmental, and terrorist threats. This RFA focuses specifically on health promotion in the workplace. RFA-CD-04-002 (NIHG 4/23/04)

URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-CD-04-002.html>

Deadline: Letters of Intent 5/24/2004, Applications 6/22/2004

### 18-13 Testing the Effectiveness of Comprehensive Police Fatigue Management Programs (DOJ)

Excess fatigue and inadequate sleep have a negative impact on human performance, health, and safety. NIJ is seeking proposals to test whether successful fatigue management strategies can be adapted from other occupational groups to develop a comprehensive fatigue and alertness program for law enforcement agencies, and whether such a comprehensive effort can reduce the impact of factors such as shift work, excessive overtime, erratic work hours, and poor sleep habits on police officer performance, health, and safety. DOJ-GRANTS-042304-001 (FG 4/23/04)

URL: <http://www.ojp.usdoj.gov/nij>

Deadline: 6/1/2004

### 18-14 Heterogeneity of Fat Depots: Underlying Basis and Association with Morbidity (NIH)

The National Institutes of Diabetes and Digestive and Kidney Diseases (NIDDK), the National Heart, Lung, and Blood Institute (NHLBI) and the National Insti-

tute on Aging (NIA) invite investigator-initiated Research Projects (R01 and R21) to investigate the life cycle of adipocytes and other cell types present in various fat depots, such as macrophages, neurons, and endothelial cells. The goal of this initiative is to increase our understanding of the interactions among the cell populations in order to identify biomarkers of changes in cellular physiology and metabolism brought on by the obese state, which are truly associated with the development of co-morbidities such as diabetes, atherosclerosis, and hypertension. PA-04-098 (NIHG 4/23/04)

URL: <http://grants.nih.gov/grants/guide/pa-files/PA-04-098.html>

Deadline: 6/1/2004, 10/1/2004, 2/1/2005

## SOCIAL SCIENCES

### 18-15 Professional Exchange Programs in Turkey (STATE)

The State Department's Bureau of Educational and Cultural Affairs is seeking applications for people-to-people exchange programs in Turkey. Programs should strengthen institutional partnerships and offer practical information and experience to individual participants to help them with their professional responsibilities. Projects should target one of the following themes: human rights law; media internships; and women's leadership and democracy-building. ECA/PE/C/EUR-04-68 (FR 4/15/04)

URL: <http://exchanges.state.gov/education/rfgps>

Deadline: 6/10/2004

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