

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

GENERAL

7-1 Multidisciplinary Research into Critical Infrastructure and Related Systems- Mitigation, Preparedness, Response and Recovery Regarding Disasters and Other Extreme Events (NSF)

This announcement calls for multidisciplinary proposals focusing on basic research into the mitigation, preparedness, response and recovery of societies to disasters and extreme events affecting critical infrastructure and related systems. Proposals for this announcement will be funded by: 1) The Infrastructure and Information Systems (IIS) program, in the Directorate of Engineering (ENG), Division of Civil and Mechanical Systems (CMS); 2) The Decision, Risk and Management Sciences (DRMS) program within the Directorate of Social, Behavioral and Economic Sciences (SBE), Division of Social and Economic Sciences (SES). Eligible research proposals must include at least one investigator from engineering and at least one investigator from a social science discipline. Projects may have more than two investigators, but at least one must represent engineering and one the social sciences. NSF 03-518
URL: <http://www.nsf.gov/cgi-bin/getpub?nsf03518>
Deadline: 3/31/2003

7-2 Interdisciplinary Science in the NASA Earth Science Enterprise (NASA)

This NASA Research Announcement (NRA) provides an opportunity for members of the scientific community to propose interdisciplinary research in response to seven questions taken from the NASA Earth Science Enterprise (ESE) Research Strategy. These questions are: How are global ecosystems changing? What trends in atmospheric constituents and solar radiation are driving global climate? How is global sea level affected by climate change? How are variations in local weather, precipitation and water resources related to global climate variation? What are the consequences of climate and sea level changes and increased human activities on coastal regions? How well can long-term climate trends be assessed or predicted? How well can cycling of carbon through the Earth system be modeled, and

how reliable are predictions of future atmospheric concentrations of carbon dioxide and methane by these models? Investigations selected under this NRA will constitute the next phase of the ESE Earth Observing System Interdisciplinary Science Program (EOS/IDS). EOS/IDS investigations should integrate research from more than one of the Earth science disciplines traditionally supported by ESE. NRA 03-OES-03
URL: <http://research.hq.nasa.gov>
Deadline: Letters of Intent 3/14/2003, Applications 5/1/2003

7-3 Research Opportunities in Space Science (ROSS)-2003 (NASA)

This NASA broad agency announcement, Research Opportunities in Space Science—2003, solicits proposals for supporting research and technology across a broad range of space science program elements relevant to one or more of the four defined OSS science themes, entitled Astronomical Search for Origins, Solar System Exploration, Structure and Evolution of the Universe, and The Sun-Earth Connection. Proposal due dates are scheduled starting on March 28, 2003, and continue through February 13, 2004. Electronically submitted Notices of Intent to propose are requested for all program elements, with the first such due date being February 28, 2003.
URL: <http://spacescience.nasa.gov>
Deadline: Varies

7-4 NCRR Shared Instrumentation Grant (NIH)

The purpose of this Request for Applications (RFA) is to continue the competitive National Center for Research Resources (NCRR) Shared Instrumentation Grant (SIG) Program. The objective of the program is to make available to institutions expensive research instruments that can only be justified on a shared-use basis and for which meritorious research projects are described. The SIG Program provides a cost-effective mechanism for groups of NIH-supported investigators to obtain commercially-available, technologically sophisticated equipment costing more than \$100,000. Types of instrumentation supported include, but are not limited to, nuclear magnetic resonance systems, electron and confocal microscopes, mass spectrometers, protein and DNA sequencers, biosensors, x-ray diffractometers and cell sorters. A minimum of three users must be Principal Investigators on NIH peer reviewed research grants. RR-03-002 (NIHG 12/06/02)
URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-RR-03-002.html>
Deadline: 3/21/2003

AGRICULTURE

7-5 Integrated Pest Management (USDA)

The Cooperative State Research, Education, and Extension Service (CSREES) requests applications for the Integrated Research, Education, and Extension Competitive Grants Program- Integrated Pest Management (IPM Section 406 Program) for Fiscal Year 2003 to support integrated, multifunctional/multidisciplinary agricultural research, extension, and education activities that address complex pest management priorities in United States agriculture. The IPM Section 406 Program currently has five program areas: Regional Integrated Pest Management (IPM) Centers; Crops at Risk (CAR); Risk Avoidance and Mitigation (RAMP); Methyl Bromide Transitions (MBT); and Organic Transitions (ORG).
URL: http://www.reeusda.gov/1700/funding/rfaintegrated_03.htm
Deadline: 3/31/2003

EDUCATION

7-6 FIPSE: Special Focus on European-U.S. Cooperation (ED)

The Education Department's Fund for the Improvement of Postsecondary Education seeks applications to form consortia of higher education or vocational education institutions in the United States and the European Union in order to coordinate curricula, exchange students and increase educational opportunities. CFDA #84.116J (FR (12/27/02))
URL: <http://www.ed.gov/offices/OPE/FIPSE>
Deadline: 3/28/2003

7-7 FIPSE: Special Focus on U.S.-Brazil Higher Education Consortia (ED)

The Education Department's Fund for the Improvement of Postsecondary Education is inviting applications for cooperative agreements to form educational consortia of American and Brazilian institutions to encourage cooperation in the coordination, student exchange and broadening of educational opportunities. CFDA #84.116M (FR 12/17/02)
URL: <http://www.ed.gov/FIPSE>
Deadline: 3/28/2003

ENGINEERING, MATHEMATICS & PHYSICAL SCIENCE

7-8 Catalysis Science (DOE)

The Office of Basic Energy Sciences (BES) of the Office of Science (SC), U.S. Department of Energy (DOE), announces its interest in receiving grant applications for high-risk, long-term, multi-investiga-

tor, multidisciplinary research on the science of catalysis. The goal of the Catalysis Science research effort is to develop combined experimental and theoretical approaches to enable molecular-level understanding of catalytic reaction mechanisms, ultimately enabling the prediction of catalytic reactivity at multiple time and length scales. DE-FG01-03ER03-16

URL: <http://www.sc.doe.gov/production/grants/Fr03-16.html>

Deadline: 3/26/2003

7-9 Research Opportunities in Physical Sciences--Ground-Based and Flight Research (NASA)

The National Aeronautics and Space Administration (NASA) Office of Biological and Physical Research (OBPR) solicits proposals for research investigations in Physical Sciences in OBPR's role to support the NASA mission. This solicitation is specific to the Physical Sciences Research Division within the OBPR. This NRA solicits proposals supporting integrated basic and applied research, analysis, and technology involving Combustion Science and Chemically Reacting Systems, Fundamental Physics, Materials Science, Biotechnology, and Fluid Physics. Proposals requested by this announcement are for ground-based and flight research investigations. Proposal due dates are staggered from March 28, 2003 through December 10, 2003. NRA-02-OBPR-03

URL: http://research.hq.nasa.gov/code_u/open.cfm

Deadline: 3/28/2003, 4/25/2003, 7/31/2003

7-10 Theoretical Research in Plasma and Fusion Science (DOE)

The Office of Fusion Energy Sciences (OFES) of the Office of Science (SC), U.S. Department of Energy (DOE), announces its interest in receiving grant applications for theoretical research relevant to the U.S. program in magnetic fusion energy sciences. The specific areas of interest are: 1) Magnetohydrodynamics and Stability; 2) Confinement and Transport; 3) Edge and Divertor Physics; 4) Plasma Heating and Non-inductive Current Drive; 5) Innovative/Integrating Concepts; and 6) Atomic and Molecular Processes in Plasmas. Notice 03-18

URL: <http://www.sc.doe.gov/production/grants/FR03-18.html>

Deadline: Letters of Intent 3/15/2003, Applications 4/15/2003

7-11 Energy Efficient Building Equipment and Envelope Technologies IV (DOE)

The Department of Energy announces that it intends to conduct a competitive Program Solicitation, DE-PS26-03NT41635, and award financial assistance (Cooperative Agreements) for the program entitled Energy Efficient Building Equipment and Envelope Technologies IV. Through this solicitation, the

DOE/NETL seeks applications on behalf of the Office of Building Technology Programs in DOE's Office of Energy Efficiency and Renewable Energy (EERE) for innovative technologies that have the potential for significant energy savings in residential and commercial buildings.

DOE is seeking to support projects that are advancing energy efficient equipment, envelope and whole building technologies. DE-PS26-03NT41635

URL: <http://e-center.doe.gov>

Deadline: N/A

HEALTH & LIFE SCIENCES

7-12 Development of Advanced Biomaterials (NIH)

Biomaterials are fundamental to the design and development of a wide variety of medical devices and implants. In addition, ongoing advances in understanding cell biology, wound healing, and targeted drug effects are creating opportunities for the use of biomaterials in unprecedented ways. The NIBIB seeks investigator-initiated applications for either NIH Research Project Grant (R01) awards or Exploratory/Developmental Research Grant (R21) awards for the development of novel biomaterials that can be used for a broad spectrum of biological and medical applications such as implantable medical devices, tissue engineering, drug and gene delivery, imaging agents, materials for minimally invasive surgery, and biosensors. EB-03-009 (NIHG 12/13/02)

URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-EB-03-009.html>

Deadline: 3/27/2003

7-13 Novel Therapeutic and Pathogenetic Studies of Oculomotor Disorders (NIH)

The National Eye Institute (NEI) encourages the submission of investigator-initiated applications to develop novel therapeutic and pathogenetic approaches to disorders that affect ocular motility. These disorders include strabismus syndrome, myasthenia gravis, congenital fibrosis syndromes, congenital nystagmus, and other disorders that compromise eye movement in the orbit and thus limit visual acuity. Responses to this announcement may include applications for basic or applied, preclinical or clinical research. Applications may broadly address novel therapeutic strategies and/or new insights into the pathogenesis of oculomotor diseases. EY-03-001

URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-EY-03-001.html>

Deadline: 3/27/2003, 11/21/2003

7-14 Molecular Structure/Function of Organisms Degrading Contaminants (NIH)

This RFA is fully titled Molecular Assessment of the Structure and Function of Ecological Populations in the Sequestration/Degradation of Environmental Contaminants and is within the mission of the National Institute of Environmental

Health Sciences (NIEHS) to promote research that will ultimately reduce the burden of human illness and dysfunction from environmental causes. This initiative is designed to encourage the research community to apply molecular approaches to assess the structure and function of ecological populations involved in the sequestration and degradation of environmental contaminants. These populations could include microorganisms such as bacteria and fungi, nematodes, aquatic organisms, plants, or any other ecological population that could be used for bioremediation purposes. ES-03-005 (NIHG 02/07/03)

URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-ES-03-005.html>

Deadline: Letters of Intent 3/16/2003, Applications 4/16/2003

SOCIAL SCIENCES

7-15 Terrorism Preparedness and Response Training (NIH)

The Centers for Disease Control and Prevention is seeking cooperative agreement applications to develop, implement and disseminate effective terrorism preparedness and emergency response training and education programs. The initiative aims to enhance national security by creating and maintaining a training program for local community-based organizations to develop their capacity to deliver effective terrorism preparedness education. The grantee will develop measurable, time-phased objectives for preparedness training; work with CDC to develop training programs and up-to-date science-based materials; implement training and technical assistance for local community organizations to enable them to conduct effective preparedness and emergency response education interventions; and collaborate with community organizations and local providers to implement the interventions. 03039 (FR 1/28/03)

URL: <http://www.cdc.gov/funding.htm>

Deadline: 3/14/2003

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