

Funding Bulletin

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

June 14, 2004

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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

22-1 Benchmarking the Integration of Sustainability into Engineering Curricula at U.S. Institutions of Higher Education (EPA)

The United States Environmental Protection Agency (EPA) under the auspices of the National Center for Environmental Research (NCER) is seeking applications proposing to encourage and benchmark the integration of sustainability concepts into engineering curriculum at institutions of higher education in the United States. While there is much anecdotal evidence to support an increased commitment by educational institutions to incorporate sustainability into engineering education, to date, there has not been a systematic assessment of these activities. Through this request for applications, EPA is seeking proposals to benchmark the current efforts of engineering departments at U.S. institutions of higher learning to provide future engineers with an awareness of the relationships between economy, society, and the environment.

URL: http://es.epa.gov/ncer/rfa/2004/2004_sustainability_engineering_curriculum.html

Deadline: 8/3/2004

AGRICULTURE

22-2 Notice--Animal Health and Disease Research (USDA/KSU)

This initiative, listed in last week's Funding Bulletin, has specific instructions for proposal preparation. Please contact Charisse for the appropriate format, 107A Waters.

22-3 Food Quality Protection Act/Strategic Agricultural Initiative Program (EPA)

The Environmental Protection Agency's (EPA) Region 2, Division of Enforcement and Compliance Assistance (DECA), Pesticides and Toxic Substance Branch (PTSB) is seeking proposals from eligible organizations that will reduce the exposure to toxic pesticides through the adoption of farm pest management practices that transition away from the use of high-risk pesticides. The proposed projects must focus on achieving the following objectives: 1) Decreasing the occurrences of residues of

carcinogenic and cholinesterase-inhibiting neurotoxic pesticides on food eaten by children, and/or 2) Reducing the mortality to non-targeted terrestrial and aquatic wildlife caused by pesticides.

URL: <http://www.epa.gov/region02/rfp/2005/food.htm>

Deadline: 7/27/2004

ARTS & HUMANITIES

22-4 Museum Connections (Metlife)

The MetLife Foundation Museum Connections program was created to help museums share their work with the broader community. Awards support creative and innovative projects that increase dialogue between museums and the community; expose the collections and cultural resources found in museums to a broader segment of society; and build new audiences for the arts. Each year a different portion of the country is targeted. Kansas is eligible to participate this year.

URL: <http://metlife.com/Applications/Corporate/WPS/CDA/PageGenerator/0,1674,P291,00.html#museum>

Deadline: 7/30/2004

22-5 New Perspectives on Chinese Culture and Society (ACLS)

The American Council of Learned Societies, in cooperation with the Chiang Ching-kuo Foundation for Scholarly Exchange, has announced a program of support for conferences and publications on New Perspectives on Chinese Culture and Society. The program will award funds in support of planning meetings, workshops, and/or conferences leading to publication of scholarly volumes. The program is intended to support projects that bridge disciplinary or geographic boundaries, engage new kinds of information, develop fresh approaches to traditional materials and issues, or otherwise bring innovative perspectives to the study of Chinese culture and society.

URL: <http://www.acls.org/cck.htm>

Deadline: 9/1/2004

EDUCATION

22-6 National Center on Secondary, Transition, and Postsecondary School Outcomes for Students With Disabilities (ED)

The Secretary of Education announces the funding for a cooperative agreement to support a National Center on Secondary, Transition, and Postsecondary School Outcomes for Students with Disabilities that will advance the development and use of secondary, transition, and postsecondary school outcome infor-

mation. This center must conduct research activities and provide technical assistance to States, schools, communities, and agencies in developing and implementing practical, efficient, cost-effective, and sustainable strategies for collecting and using outcome data to improve secondary, transition, and post-secondary school outcomes. CFDA #84.324S (FR 6/4/04)

URL: <http://www.ed.gov/news/fedregister>

Deadline: 7/19/2004

22-7 Research and Innovation To Improve Services and Results for Children With Disabilities (ED)

This program supports research to improve results for infants, toddlers, children or youth with disabilities through early intervention, educational, transitional, post secondary, or related services. Proposals for three types of research will be accepted for this competition: 1) Innovation Research, 2) Model Development, and 3) Replication and Scale-up. Innovation Research projects assess the effectiveness of innovative practices including interventions, strategies, and policies. Model Development projects develop, implement, and evaluate models (including models for professional development). Replication and Scale-up projects assess the effectiveness of a proven model or practice when systematically replicated across a variety of settings by typical service providers. CFDA #84.324C (FR 6/4/04)

URL: <http://www.ed.gov/news/fedregister>

Deadline: 7/9/2004

ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

22-8 Measurements, Modeling, and Analyses In Support of Aura and Other Nasa Satellite Observations of the Earth's Atmosphere (NASA)

The National Aeronautics and Space Administration is announcing the release of the Measurements, Modeling, and Analyses in support of AURA and other NASA Satellite Observations of the Earth's Atmosphere solicitation. With the planned launch of the Aura spacecraft in mid-CY 2004, NASA will be providing the research community with significant new capability that will provide products of use to a broad range of policy and decision-makers, including NASA's domestic and international partners. Investigations in the following categories are being solicited: A) Validation of Aura observations; B) Extension of Aura observations; C) Models that use, predict, and/or assimilate Aura observations; D) Laboratory and related theoretical observations that are needed to improve the accuracy of Aura retrievals; E) Investigations that will contribute to measurements, modeling,

and data analysis research supported under the Earth Science Enterprise's Atmospheric Composition Focus Area. NN-H-04-Z-YS-004-N (FBO 6/1/04)
URL: <http://research.hq.nasa.gov>
Deadline: 8/30/2004

22-9 Advanced Nuclear Research At Universities (DoE)

Since 1999, the Nuclear Energy Research Initiative (NERI) program has sponsored research to advance the state of nuclear science and technology in the United States by addressing the key technical issues impacting the expanded use of nuclear energy. The program has sponsored research development on next-generation nuclear energy systems; proliferation resistant nuclear fuel cycle technologies; generation of hydrogen using nuclear power; improvements in light water reactor technology; and fundamental areas of nuclear science that directly impact the long-term success of nuclear energy. These advances in these areas are expected to be incorporated in potential future advanced reactor designs and nuclear fuel systems. DE-PS07-04ID14551 (FG 6/1/04)
URL: <http://e-center.doe.gov/>
Deadline: 7/16/2004

22-10 EarthScope: Science, Education, and Related Activities (NSF)

The EarthScope facility is a multi-purpose array of instruments and observatories that will greatly expand the observational capabilities of the Earth Sciences and permit us to advance our understanding of the structure, evolution and dynamics of the North American continent. This is made possible by theoretical, computational, and technological advances in geophysics, satellite geodesy, information technology, drilling technology and downhole instrumentation. The EarthScope observational facility, consisting of the Plate Boundary Observatory (PBO), the San Andreas Fault Observatory at Depth (SAFOD), and the USArray, provides a framework for broad, integrated studies across the Earth sciences, including research on fault properties and the earthquake process, crustal strain transfer, magmatic and hydrous fluids in the crust and mantle, plate boundary processes, large-scale continental deformation, continental structure and evolution, and composition and structure of the deep-Earth. NSF 04-589 (Posted 5/26/04)
URL: <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf04589>
Deadline: 8/24/2004, 7/16/2005, 7/16/2006

22-11 Faculty Development in the Space Sciences (NSF)

The Upper Atmospheric Research Section of the Division of Atmospheric Sciences is pleased to offer awards for the creation of new tenure-track faculty positions within the intellectual disciplines which comprise the space sciences. The aim of these awards is to integrate research top-

ics in solar and space physics into base physics, astronomy, electrical engineering, geoscience, meteorology, computer science, and applied mathematics programs, and to develop space physics graduate programs capable of training the next generation of leaders in this field. Faculty Development in the Space Sciences awardees will be expected to establish partnerships within the university community. NSF 04-582 (Posted 5/14/04)
URL: <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf04582>
Deadline: 9/30/2004

22-12 Solar, Heliospheric, and Interplanetary Environment (NSF)

The solar and heliospheric research communities are dedicated to promoting enhanced understanding of, and predictive capabilities for, solar disturbances that propagate to the Earth. Broad-based, grass-roots associations such as SHINE have developed to focus community effort on these scientific questions. Proposals are solicited for research directly related to topics under consideration and discussion at community workshops organized by SHINE. NSF 04-585 (Posted 5/20/04)
URL: <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf04585>
Deadline: 8/25/2004

HEALTH & LIFE SCIENCES

22-13 Ground-Based Studies For NASA Specialized Center of Research For the Estimation of Solid Tumor Cancer Risks From Space Radiation (NASA)

NASA's Office of Biological and Physical Research (OBPR) solicits proposals for NASA Specialized Center of Research (NSCOR) for the Estimation of Solid Tumor Cancer Risks from Space Radiation. Analysis of epidemiological data on human and animal populations exposed to ionizing radiation is not expected to lead to the desired levels of accuracy, and cannot provide the understanding of biological processes intervening between radiation exposure and manifest disease. However, it is also recognized that molecular biology mechanisms, by themselves, are necessary but not sufficient as a basis for human risk estimates. This solicitation assumes that the required advances will evolve from studies with animal models and tissues, elucidating mechanisms hypothesized on the basis of cellular and molecular studies, and extrapolating the knowledge acquired to different species; in particular, to humans. NNH04ZUU002N (FBO 6/7/04)
URL: http://research.hq.nasa.gov/code_u/code_u.cfm
Deadline: 8/13/2004

22-14 Ground-Based Studies For Human Health In Space (NASA)

The National Aeronautics and Space Administration (NASA) Office of Biological and Physical Research (OBPR) solic-

its proposals for Ground-Based studies in selected areas of Biomedical Model Systems (BMS), Biomedical Research and Countermeasures (BR&C), and the National Space Biomedical Research Institute (NSBRI). This consolidated NRA supports the following goals and objectives of the OBPR: 1) Understand the physiological mechanisms responsible for space-flight-related biomedical and behavioral changes in humans in support of countermeasure development; 2) Develop countermeasures that allow humans to live and work in microgravity for long durations, minimize the risks in readapting to gravity, and optimize crew safety, well-being, and performance; and 3) Identify, characterize, and mitigate health, environmental, and other operational human medical risks associated with space exploration. NNH04ZUU003N (FG 5/25/04)
URL: http://research.hq.nasa.gov/code_w/nra/current/NNH04ZUU003N/index.html
Deadline: 8/31/2004

SOCIAL SCIENCES

22-15 Senior Community Service Employment Program (DoL)

The Senior Community Service Employment Program (SCSEP) provides subsidized, part-time, community service employment for low-income persons age 55 and older who have poor employment prospects. This SGA seeks to fund projects that will provide eligible older workers with second career training and placement opportunities with private business concerns. Proposed projects must be for specific geographic areas and must identify employers that will participate in the project, or methods that will be used to attract employer involvement. Proposed projects must also include innovative strategies, including new work modes such as flex-time, flex-place, job sharing. (FR 6/8/04)
URL: <http://www.doleta.gov/sga/pdf/ApplyingGrants.pdf>
Deadline: 7/21/2004

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