

Funding Bulletin

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

July 22, 2002

Vol. 11, No. 27

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

27-1 Biological Input/Output Systems (DOD)

The Defense Sciences Office is interested in new proposals to develop robust technologies for designing DNA-encoded plug and play modules that will enable the use of organisms (e.g., plants, microbes, lower eukaryotes) as remote sentinels for reporting the presence of chemical or biological analytes. The ability to design and use organisms as sentinels is limited by the ease with which their molecular components and pathways can be designed and assembled to generate new sensing and reporting capabilities. The BIOS program, therefore, seeks to develop revolutionary technologies that will lead to facile engineering and assembly of functional biological circuits and pathways in living organisms. BAA01-02 (FBO 10/17/01)
URL: <http://www.arpa.mil/baa/#dso>
Deadline: 8/29/2002

27-2 Fulbright New Century Scholars Program (CIES)

The Fulbright New Century Scholars Program brings together annually 25-30 outstanding research scholars and professionals from the U.S. and around the world. NCS fellows engage in multidisciplinary collaboration and dialogue on a topic of global significance under the leadership of a Distinguished New Century Scholar Leader. For the academic year 2002-2003, the research focus is Addressing Sectarian, Ethnic and Cultural Conflict within and across National Borders. NCS Fellows not only make an international exchange visit to further their research, but also participate in various forums to share their research and promote group objectives.
URL: <http://www.cies.org>
Deadline: 10/1/2002

AGRICULTURE

27-3 Global Environmental Change Research (DOE)

NIGEC supports university researchers developing scientific knowledge of effects of global environmental change associated with energy production on national resources (especially terrestrial ecosystems) with an emphasis on issues at the

regional scale. NIGEC presently supports research on three topics: Exchange of carbon (e.g., uptake of atmospheric CO₂) by U.S. terrestrial ecosystems; Effects of environmental change associated with energy production on U.S. terrestrial ecosystems; and Development and testing of ecosystem models needed for integrated assessments.

URL: <http://nigec.ucdavis.edu/rfp/index.htm>

Deadline: Letters of Intent 8/9/2002; Applications 9/3/2002

27-4 Ecological Indicators for the Great Rivers of the Central Basins (EPA)

The Environmental Protection Agency is inviting applications to establish a Great Rivers Ecological Indicator Research program to support the development of biological indicators to report on the status and trends of large river systems. Rivers of interest are the Mississippi, Missouri, and Ohio. EPA is also interested in developing indicators which can capture and report on the interactions between the ecological health of the streams and their regional economies, such that we can measure progress towards ecological and economic sustainability.

URL: <http://es.epa.gov/ncer/rfa/current/02greatbasin.html>

Deadline: 10/15/2002

EDUCATION

27-5 Research in Education (Spencer)

The Spencer Foundation makes grants for research to investigate ways in which education, broadly conceived, can be improved around the world. The Major Research Grants Program supports research projects requiring more than \$35,000. Projects can range from medium-sized studies that can be completed within a year by an individual researcher to more extensive collaborative studies that can last several years. The Small Research Grants Program supports short-term projects (one year or less). The program is appropriate for modest-sized research projects, exploratory studies, specific phases of larger investigations, and projects that arise in response to unusual opportunities.

URL: <http://www.spencer.org>

Deadline: Open

ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

27-6 Research and Development for Truck Essential Power Systems (DOE)

The U.S. Department of Energy (DOE) Office of Energy Efficiency and Renewable Energy, Office of Heavy Vehicle

Technologies (OHVT), is seeking applications for cost-shared research and development for truck Essential Power Systems (EPS). Trucks include Class 2b through Class 8. The Essential Power System is a cross-cutting technology area (technologies and systems) that seeks to provide more efficient, practical, and cost effective management of electrical, mechanical, and thermal power on trucks. The EPS provides a possible technology pathway for future truck electrification. DE-SC04-02AL68123

URL: <http://doe-iips.pr.doe.gov/iips/busopor.nsf/solicitation+by+number/>
Deadline: 8/26/2002

27-7 Inter-American Materials Collaboration (NSF)

Research funding agencies in Argentina, Brazil, Canada, Chile, Colombia, Mexico and the U.S. are working together to enhance opportunities for collaborative activities in materials research. NSF will consider proposals in two categories: Category A) Proposals that aim to support international collaboration in materials research among individual investigators, groups of investigators, or centers from the U.S. and one or more of the other six participating countries, and Category B) Proposals that aim to support international activities that are at the initial (pre-research) stages of international collaborative research projects and programs, and that can cover the costs associated with organizing workshops, seminars, conferences or symposia, and travel related to the project. NSF 02-141
URL: <http://www.nsf.gov/cgi-bin/getpub?nsf02141>
Deadline: Category A 10/18/2002

27-8 Basic Research in Support of Future Marine Corps Operations (DOD)

The Office of Naval Research (ONR) is soliciting from Institutions of Higher Education white papers and proposals for Basic Research in areas of potential applicability to future United States Marine Corps operations in selected technical areas. Areas include: Marking, and Tracking of Individuals and Vehicles; Man-Portable Electric Power Generation and Storage; Energy Limited Communications; Information Efficiency; Human Visual, Auditory or Olfactory Sensory Enhancement; and Seismic Detection of Buried Landmines.

URL: <http://www.onr.navy.mil/02/baa/default.htm>

Deadline: 10/4/2002

27-9 Energy Sciences (DOE)

The Office of Science of the Department of Energy announces its continuing interest in receiving grant applications for sup-

port of work in the following program areas: Basic Energy Sciences, High Energy Physics, Nuclear Physics, Advanced Scientific Computing, Fusion Energy Sciences, Biological and Environmental Research, and Energy Research Analyses. Notice 02-01

URL: <http://www.sc.doe.gov/production/grants/fr02-01.html>

Deadline: Open

27-10 Experimental and Theoretical Development of Quantum Computers (ARO)

The U.S. Army Research Office (ARO) announces the availability of a Broad Agency Announcement for Experimental and Theoretical Development of Quantum Computers. Proposals may be for: 1) Quantum Computing for both experimental and theoretical studies of potential physical embodiments of quantum logic and for more base studies in the related fields of quantum error correction and control, quantum decoherence and entanglement; or 2) Quantum Algorithm which should be primarily to develop new quantum computing algorithms but may also consider issues of quantum computational complexity and computability. DAAD19-02-R-0005 (FBO 05/10/02)

URL: <http://www.aro.army.mil/research/index.htm>

Deadline: 10/8/2002

HEALTH & LIFE SCIENCE

27-11 Age-Related Prostate Growth: Biologic Mechanisms (NIH)

The National Institute on Aging (NIA), the National Cancer Institute (NCI), the National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), and the National Institute of Environmental Health Sciences (NIEHS) invite research applications addressing biologic mechanisms related to aging processes that underlie the initiation and progression of prostate growth processes in middle-age, and the pathophysiologic connections of that growth process with the prostate diseases prevalent in older men, benign prostatic hypertrophy (BPH) and prostate cancer. PA-02-116 (NIHG 06/28/02)

URL: <http://grants.nih.gov/grants/guide/pa-files/PA-02-116.html>

Deadline: 10/1/2002, 2/1/2003, 6/1/2003

27-12 Auditory/ Perceptual Processing by Infants with Hearing Loss: Issues in Clinical Assessment and Management (NIH)

The purpose of this request for applications (RFA) is to support multidisciplinary research addressing auditory/ perceptual processing in infants with hearing loss. There are no tools or techniques that are sufficiently sensitive or developed for measuring/ evaluating progress or benefit of various rehabilitative strategies in these infants. There is little information available on the auditory/ perceptual processing abilities of infants with hearing loss. Information is lacking

regarding suprathreshold auditory behaviors, perception of complex sounds, acquisition and organization of information necessary for language acquisition, multimodal perceptual processes, and cognitive factors such as learning and memory. Research that characterizes auditory/ perceptual performance in infants with hearing loss is needed to guide clinicians as they evaluate and monitor an infant's auditory and linguistic development in order to identify optimal intervention strategies. RFA DC-02-004 (NIHG 06/14/02)

URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DC-02-004.html>

Deadline: Letters of Intent 10/1/2002; Applications 10/17/2002

27-13 Women's Health in Sports and Exercise (NIH)

The National Institute of Arthritis and Musculoskeletal and Skin Diseases (NIAMS), National Institute of Child Health and Human Development (NICHD) and the Office of Research on Women's Health (ORWH) encourage investigator-initiated research grant applications to study women's health in sports and exercise. The purpose of this Program Announcement (PA) is to stimulate and foster a wide range of basic, translational and patient-oriented clinical studies. Improvement in our basic knowledge of the pathophysiology of sports injuries in women will help to solve the puzzle of why female athletes are more susceptible to certain types of injury. In addition, translational studies will be helpful in developing optimal prevention, rehabilitation and training strategies for injuries and overuse syndromes in the female athlete throughout the life spectrum. PA-02-115 (NIHG 06/21/02)

URL: <http://grants.nih.gov/grants/guide/pa-files/PA-02-115.html>

Deadline: 10/1/2002, 2/1/2003, 6/1/2003

SOCIAL SCIENCES

27-14 Population Research Infrastructure Program (NIH)

The National Institute of Child Health and Human Development (NICHD), through the Demographic and Behavioral Sciences Branch (DBSB), Center for Population Research (CPR), invites applications for infrastructure grants in support of population research relevant to the DBSB mission. Applicants may request funds to support infrastructure development and/or research designed to: 1) enhance the quality and quantity of population research conducted at an institution; and 2) develop new research capabilities to advance population research through innovative approaches. A central goal of this program is to facilitate interdisciplinary collaboration and innovation in population research while providing essential and cost-effective core services in support of the development, conduct, and translation of population research based in centers or comparable administrative units. This announcement invites applications for two types of awards: for full-fledged

Research Infrastructure Awards and for Developmental Awards. RFA HD-02-021 (NIHG 07/05/02)

URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-02-021.html>

Deadline: Letters of Intent 10/20/2002; Applications 11/20/2002

27-15 Research on Research Integrity (NIH)

The Office of Research Integrity, with several National Institutes, invites applications to support research on research integrity. Integrity in this context is understood as adherence to rules, regulations, guidelines, and commonly accepted professional codes or norms. The purpose of the proposed grant program is to foster empirical research on the institutions, processes, and values that affect integrity in research. RFA NS-03-001 (NIHG 05/10/02)

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

Deadline: Letters of Intent 10/15/2002; Applications 11/15/2002

R. W. Trewyn, Vice Provost for Research & Dean of the Graduate School

Ted Knous, Associate Vice Provost, Tech Transfer and Research

Yvonne Bachura, Secretary

Jim Guikema, Associate Vice Provost, Graduate Research

Preaward Section

Paul Lowe, Director
Anita Fahmy, Assistant Director
Kathy Tilley, Lisa Duer, Carole Lovin, Rich Doan, Rex Goff, Dawn Caldwell, Cheryl Brooks

Information Specialist & Editor
Beverly Page

Human Subjects, Animal Care & Use, and Biosafety
Gerald P. Jaax, Research Compliance Officer
Beverly Nichols, Secretary

Congressional Relations
Sue Peterson, R. W. Trewyn