

## 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)

### GENERAL

#### 10-1 Medical Research Program (DOD)

The U.S. Army Medical Research and Material Command requests intramural and extramural research proposals in the following 25 topic areas: Complex rAD-Vector Vaccine for MGBV (Marburg Virus), Chemo-preventative Approaches to Smoking Related Illness, Childhood Asthma, Chiropractic Care, Closed Loop Frozen Blood Processing Systems, Counter Narcotics Tactical Operations Medical Support Program (CONTOMS), Dengue Fever Vaccine, High Risk Infectious Disease, Medications for Fungal and Bacterial Infections such as Fungi Free, Metabolically Engineered Tissue for Trauma Care, Military Nutrition Research, Padgett's Protection, Real-Time Heart Rate Variability, Self-Test Methods of Screening for Cervical Cancer, Smoking Cessation, Social Work Research, Traumatic Brain Injury, Volume Angio Cat (VAC) Research, Vancomycin Resistant Enterococci (VRE) Research, Acute Lung Injury Research, Laser Eye Injury, Military Relevant Disease Management, and Sleep Management. FBO-PRM-0304

URL: <http://www.eps.gov/spg/USA/USAMRAA/DAMD17/FBO-PRM-0304/SynopsisP.html>

Deadline: Letters of Intent 4/26/2002;  
Proposals 5/28/2002

#### 10-2 Human Frontier Science Program Research Grants (Human Frontier)

The Human Frontier Science Program (HFSP) now places special emphasis on novel, innovative, interdisciplinary approaches to basic research focused on the elucidation of complex mechanisms of living organisms. In particular, HFSP aims to encourage research into biological problems with the involvement of other disciplines such as chemistry, physics, mathematics, computer science, and engineering. The general areas in which novel, interdisciplinary projects will be considered are the neurosciences and molecular approaches to biological functions. As before HFSP supports only international, collaborative teams, with an emphasis on encouraging scientists early in their careers.

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

Deadline: 4/3/2002

#### 10-3 School Safety (NIJ)

The Justice Department's National Institute of Justice is inviting applications for research on and development of new technologies to create safe school environments. Areas of interest are: 1) Learning Technologies, Education and Training for school personnel--especially safety and security officers--such as event modeling and simulation; interpersonal skill development; and use of force and judgment training; 2) Communication Interoperability and Information Sharing improvements that could save lives during critical incidents; 3) Protective Systems that involve new techniques, materials, and methods to improve safety equipment used by school officials; 4) Crime Prevention improvements, including sensor, detection, monitoring and surveillance devices; 5) Geographic Information System Technology/Crime Mapping; and 6) School Technology Assessment proposals.

URL: <http://http://www.ojp.usdoj.gov/fundopps.htm>

Deadline: 4/24/2002

### AGRICULTURE

#### 10-4 Aquatic Ecosystem Activities, Project 1, Benthic Monitoring of Cobble Bars in the Colorado River in Glen, Marble, and Grand Canyon Reaches (DOI)

USGS/Grand Canyon Monitoring and Research Center in association with the Adaptive Management Program are required to monitor and evaluate the effects of Glen Canyon Dam operations on downstream resources. One of the resources of concern identified by stakeholders is the aquatic food base. The objectives of this requirement are to quantify the standing biomass, density and composition of the phytobenthic and macroinvertebrate community in the Colorado River. Sampling will be conducted annually during one season (June) at nine predetermined sites distributed throughout three of the major study reaches.

URL: <http://www.eps.gov/spg/DOI/USGS/TEMP/02WRPA0014/SynopsisP.html>

Deadline: 4/1/2002

#### 10-5 Young Investigator Awards in Plant Genome Research (NSF)

The Directorate for Biological Sciences would like to announce an additional funding opportunity for young investigators. The Young Investigator Awards in Plant Genome Research (YIA-PGR) is an addendum to the NSF Program Solicitation, NSF 01-158, Plant Genome Research Program (PGRP). The YIA-PGR seeks to increase the participation

of young scientists in plant genome research, especially those researchers who are at institutions that have not participated in PGRP in the past. Investigator trained in genomics of non-plant systems, informatics, and other disciplines that are critical to advancing the field of plant genome research, are also encouraged to apply. NSF 02-048

URL: <http://www.nsf.gov/cgi-bin/getpub?nsf02048>

10-6 5/1/2002

### EDUCATION

#### 10-7 Course, Curriculum and Laboratory Improvement (NSF)

The Course, Curriculum, and Laboratory Improvement (CCLI) program seeks to improve the quality of Science, Technology, Engineering, and Mathematics (STEM) education for all students and targets activities affecting learning environments, course content, curricula, and educational practices. The program has three tracks: 1) Educational Materials Development (CCLI-EMD); 2) National Dissemination (CCLI-ND) and; 3) Adaptation and Implementation (CCLI-A&I). NSF 02-043

URL: <http://www.nsf.gov/cgi-bin/getpub?nsf02043>

Deadline: Letters of Intent 4/22/2002;  
Proposals 6/6/2002, 11/13/2002

#### 10-8 Early Childhood Education and School Readiness Planning Grants (NIH)

Participating ICs/Agencies intend jointly to stimulate sustained, multidisciplinary, programmatic research on the effectiveness and efficacy of existing, modified or newly developed comprehensive and integrative curricula or integrative curriculum modules for use with children from birth to age five to promote learning and development across domains associated with school readiness. These domains include: language and communication; emerging and early literacy; early mathematical knowledge; cognitive skills and conceptual knowledge, to include science concepts; self-regulation of attention, behavior and emotion; social competency; fine and gross motor development; motivation and positive dispositions towards learning. RFA-HD-02-005 (NIHG 01/11/02)

URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-02-005.html>

Deadline: Letters of Intent 4/15/2002;  
Applications 5/14/2002

#### 10-9 Balkan Education Partnerships (STATE)

The State Department is inviting applications to help develop instruction in civic education, public administration, business administration and social, economic and

political sciences at eligible Balkan universities. Projects involving multiple topic areas may include one or more faculties or departments at universities in the target area. Program objectives are to develop courses and curricula in eligible fields; improve teaching methods; develop educational materials; train teachers and practitioners in effective use of the materials; and foster enduring relationships with foreign institutions. ECA/A/S/U-02-13

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

Deadline: 4/16/2002

## ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

### 10-10 Science, Technology, Engineering, and Mathematics Talent Expansion Program (NSF)

The Science, Technology, Engineering and Mathematics Talent Expansion Program (STEP) seeks to increase the number of students (U.S. citizens or permanent residents) pursuing and receiving associates or baccalaureate degrees in established or emerging fields within science, technology, engineering, and mathematics (STEM). For FY02 proposals are solicited which provide for planning and pilot efforts at academic institutions. Project efforts might include, for example, one or more of the following; Programs that aim to increase the number of traditionally underrepresented students (low-income, ethnic and racial minorities, persons with disabilities, and women) in STEM; Programs that expand the capacity of institutions of higher education to incorporate current advances in science and technology into the undergraduate learning environment; Bridge programs that enable additional preparation for students not otherwise not fully prepared to succeed in the study and practice of STEM, including programs targeted at traditionally underrepresented groups in such disciplines. NSF-02-075

Project efforts might include, for example, one or more of the following; Programs that aim to increase the number of traditionally underrepresented students (low-income, ethnic and racial minorities, persons with disabilities, and women) in STEM; Programs that expand the capacity of institutions of higher education to incorporate current advances in science and technology into the undergraduate learning environment; Bridge programs that enable additional preparation for students not otherwise not fully prepared to succeed in the study and practice of STEM, including programs targeted at traditionally underrepresented groups in such disciplines. NSF-02-075

URL: <http://www.nsf.gov/cgi-bin/getpub?nsf02075>

Deadline: Letters of Intent 4/12/2002; Proposals 6/3/2002

### 10-11 International Digital Libraries Collaborative Research and Applications Testbeds (NSF)

This activity is supported by the Division of Information and Intelligent Systems in the Directorate for Computer and Information Science and Engineering. It builds on and extends prior Foundation efforts in international collaborative digital libraries research and applications. Proposals should have the overall goals of advancing digital libraries research and infrastructure needs and enable users to access and exploit information in new and productive ways. Research issues include information structure, organization, access, scalability and security techniques for worldwide data systems, and tools to search, store and deliver information in different media or languages. NSF-02-

085

URL: <http://www.nsf.gov/cgi-bin/getpub?nsf02085>

Deadline: Letters of Intent 4/27/2002; Proposals 5/27/2002

### 10-12 Advanced University Reciprocating Engine Program (DOE)

The Department of Energy is seeking projects to improve efficiency and emissions performance of advanced natural gas reciprocating engines for industrial, commercial and residential use. Applications should propose research that has reasonable probability of contributing to long-term (five to seven years) manufacturer product development cycles. Projects should generate knowledge that will help reciprocating manufactures to decide along which path, among many alternatives, emissions equipment product development should proceed. DE-PS26-02NT41416 (FR 02/26/02)

URL: <http://www.netl.doe.gov/business/solicit/index.html>

Deadline: 4/2/2002

## HEALTH & LIFE SCIENCES

### 10-13 Implementing Hazardous Substance Training for Emergency Responders (NIH)

The Centers for Disease Control and Prevention, National Institute for Occupational Safety and Health (NIOSH) announces the availability of fiscal year 2002 funds for a cooperative agreement to develop and conduct a comprehensive national training program for emergency responders, primarily firefighters, who are exposed to hazardous materials. The purpose of this program is to provide funding for the implementation of a national training program for emergency personnel who are responsible for responding to these hazardous emergency situations. OH-02-009 (NIHG 03/01/02)

URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-OH-02-009.html>

Deadline: Letters of Intent 4/14/2002; Applications 5/14/2002

### 10-14 Birth Defect Prevention (Modimes)

The March of Dimes invites all qualified scientists with faculty appointment or the equivalent, at universities, hospitals and research institutions, to submit applications for research grants directed at the prevention of birth defects. Research subjects appropriate for support by the March of Dimes include basic biological processes governing development, genetics, clinical studies, studies of reproductive health, environmental toxicology, and social and behavioral studies.

URL: <http://www.modimes.org/research2/RFPs/Default.htm>

Deadline: 4/30/2002

### 10-15 Airborne Particulate Matter Health Effects: Cardiovascular

## Mechanisms (NCER)

The Environmental Protection Agency invites research grant applications to conduct studies on the role of particulate matter (PM) air pollution in cardiovascular illness and mortality. The objective of this program is to encourage in vitro and in vivo research in laboratory animals and humans on the specific cellular, molecular, and physiologic mechanisms by which ambient air PM, alone or in combination with gaseous co-pollutants, mediates adverse cardiovascular effects. A sub-objective is to encourage involvement of cardiovascular experts in research efforts to address the adverse health effects associated with PM exposure.

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

Deadline: 4/30/2002

## SOCIAL SCIENCES

### 10-16 Head Start Grants (ACF)

The Health & Human Services Department is inviting applications under three Head Start initiatives: 1) university partnerships to develop program improvement models; 2) university partnerships for infant-toddler mental health; and 3) graduate student research grants. Under the first category, grantees will help programs provide research-based interventions to help programs achieve, monitor and assess child outcomes across eight required developmental and school readiness domains. Under the second area, grantees will identify science-based interventions to enhance Early Head Start programs in promoting the mental health of infant, toddlers and their families. Under the third area, graduate students will conduct research on issues of local and national significance on such topics as school readiness, children's mental health, strengthening fatherhood and healthy marriages. (FR 03/04/02)

URL: <http://www2.acf.dhhs.gov/programs/hsb/announce/fund/hsuniversity.htm>

Deadline: 5/3/2002

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