

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

40-1 Surface Transportation Security Research (NCHRP)

The objective of this program, Surface Transportation Security Research, is to provide flexible, ongoing, quick-response research on transportation issues related to emergency incident prevention, preparedness, response, and recovery, paying particular attention to potential terrorist threats. Such research should be designed to develop improvements to analytical methods, decision support tools, procedures, and techniques employed by practitioners to support statewide, local, and metropolitan transportation organizations in planning, exercising, and evaluating their security programs. Project J-10, FY 2002

URL: <http://www4.trb.org/trb/crp.nsf/All+Projects/TCRP+J-10>
Deadline: 11/29/2001

40-2 Quantum and Biologically Inspired Computing (NSF)

The program will support interdisciplinary research to improve the fundamental capabilities of computer and information sciences and engineering by incorporating insights from either biological systems or quantum foundations or both. Expanding efforts in interdisciplinary research areas that are at the interface of information science and technology with the fields of biology, chemistry, engineering, physics, and computer science will lead to better understanding in all areas of science. NSF-02-017

URL: <http://www.nsf.gov>
Deadline: Letters of Intent 1/11/2001,
Proposals 2/4/2002

40-3 Council of American Overseas Research Centers Regional Research Program (DOS)

The Council of American Overseas Research Centers (CAORC) announces a fellowship program that will support advanced regional research. The program is open to US doctoral candidates and scholars who have already earned their PhD in fields in the humanities, social sciences, or allied natural sciences and wish to conduct research in more than one country, at least one of which hosts a participating American overseas research

center: Tunisia, Morocco, Egypt, Jordan, Turkey, Israel, Yemen, India, Pakistan, Bangladesh, Sri Lanka, Cyprus, Senegal/West Africa, Italy, and Greece.

URL: <http://www.caorc.org/pages/Cpages/caorcus.htm>

Deadline: 12/31/2001

AGRICULTURE

40-4 Sheep and Goat Industry Grant Program (USDA)

The National Sheep Industry Improvement Center (NSIIC) announces the availability of competitive grants for product or business development, producer information or education, marketing and promotion for sheep or goats or their products, genetic retention or animal health.

Deadline: 12/31/2001

ARTS & HUMANITIES

40-5 Wilbur Foundation Grants (Wilbur)

The Wilbur Foundation concentrates its funding in the field of humanities, especially history, literature, religion, and philosophy, for projects that are calculated to enhance or preserve the permanent things of society. Support is given only through tax exempt public foundations which reflect a concern for historical continuity and studies of a traditional nature. Resident fellowships for writers at the Russell Kirk Center in Mecosta, Michigan are also available.

URL: <http://wilburfoundation.org/>
Deadline: 12/31/2001

ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

40-6 University-Industry Partnerships for Aluminum Industry of the Future Program (DOE)

The U.S. Department of Energy (DOE), Idaho Operations Office (ID) is seeking applications from domestic private and public institutions of higher learning and their associated research organizations for cost shared research, which will reduce energy consumption, reduce environmental impacts and enhance economic competitiveness of the domestic aluminum industry. This solicitation seeks proposals for fundamental research in support of the development and implementation of energy efficiency technologies for the aluminum industry.

URL: <http://doe-iips.pr.doe.gov/>
Deadline: 1/11/2002

40-7 Computer Science, Engineering, and Mathematics Scholarships (NSF)

This program supports scholarships for

academically talented, financially needy students, enabling them to enter the high technology workforce following completion of an associate, baccalaureate, or graduate level degree in computer science, computer technology, engineering technology, or mathematics. Academic institutions apply for awards to support scholarship activities, and are responsible for selecting scholarship recipients, reporting demographic information about student scholars, and managing the CSEMS project at the institution. An institution may submit no more than one proposal per competition. Please contact Ted Knous, 532-6119, tknous@ksu.edu, by December 3 if you are interested in applying. NSF-02-006

URL: <http://www.nsf.gov/cgi-bin/getpub?nsf02006>

Deadline: Letters of Intent 12/12/2001,
Proposals 2/13/2002

40-8 Advancements for Delivering in Situ Treatment for Soil and Groundwater Contamination in Difficult Conditions at DOE Sites (DOE)

The National Energy Technology Laboratory (NETL) Industry Program is coordinating with the Subsurface Contaminant Focus Area (SCFA) and the Oak Ridge, Tennessee and Hanford, Washington Sites to address technology needs identified by the DOE Nuclear Weapons Complex sites for innovative, improved technologies that can deliver in situ treatment to hazardous and radiological contaminants in soil and groundwater located in difficult subsurface and surface conditions at DOE sites. Two research topic areas have been defined: 1) Topic Area 1--Effective Delivery of Bioremediation for Volatile Organic Compound (VOC) Contamination; and 2) Topic Area 2-- Effective Delivery of Treatment for Metals and Radionuclides in the Vadose Zone and Groundwater With Minimal Surface Impact in Environmentally Sensitive Areas. DE-RA26-02NT41178

URL: <http://doe-iips.pr.doe.gov>
Deadline: 12/17/2001

HEALTH & LIFE SCIENCES

40-9 Metabolic Engineering for Cellular Stasis (DARPA)

The Defense Advanced Research Projects Agency (DARPA) seeks proposals for innovative research and applications of natural mechanisms of survival and metabolic function under environmental extremes to control the metabolic demands and requirements of cells, tissues, organs, and organisms. The goal of this effort is to increase the survival of warfighters on the battlefield after injury and/or reduce the logistics/support requirements to provide medical support

on the battlefield at all levels of care. Sol. BAA0-1-01 (CBD 10/30/01)
URL: <http://www.darpa.mil/dso/>
Deadline: 12/14/2001

40-10 Arthritis National Research Foundation (ANRF)

The focus of proposals should be on high incidence diseases. Priority will be given to newer investigators possessing either a M.D. and/or Ph.D. degree who are associated with qualified institutions. Both clinical and basic studies will be given equal consideration.

URL: <http://www.curearthritis.org.grant.htm>
Deadline: 1/15/2002

40-11 Epidemiologic Research on Health Effects of Long-Term Exposure to Ambient Particulate Matter and Other Air Pollutants (NCER)

The U.S. Environmental Protection Agency (EPA), as part of its Science to Achieve Results (STAR) program, is seeking applications for epidemiologic research on health effects of long-term exposure to ambient particulate matter and other air pollutants. This RFA invites applications for the following two specific types of particulate matter air pollution research: 1) retrospective epidemiologic studies that make use of currently available information on health and air quality; and 2) methods/model development studies relating to future, prospective epidemiologic research.

URL: <http://es.epa.gov/ncer/rfa/02epidemiologic.html>
Deadline: 1/18/2002

40-12 Fundamental Space Biology Ground-Based Research (NASA)

The major scientific objective of Fundamental Space Biology is to expand our understanding of fundamental biological processes and the mechanisms by which these processes sense, respond, adapt to, and evolve in the space environment. The Fundamental Space Biology Division is interested in basic research that addresses the effects of the space environment on animal and plant systems across a range of model organisms. Animal systems that are known, or believed, to be influenced by gravitational force (e.g., bone, muscle, endocrine system, neurological and vestibular systems) or by other aspects of the space environment will be emphasized. It should be noted that in order to achieve program balance specific topics that are currently well represented in our portfolio will be de-emphasized. NRA-01-OBPR-06

URL: http://research.hq.nasa.gov/code_u/nra/current/NRA-01-OBPR-06/index.html

Deadline: Notices of Intent to Propose 11/30/2001, Full Proposals 1/31/2002

40-13 Multiple Opportunities for Ground-Based Research in Space Life

Sciences (NASA)

This NASA Research Announcement is a consolidated NASA solicitation for research proposals in support of the NASA Office of Biological and Physical Research (OBPR) goals and objectives. Research is solicited for conduct by the Biomedical Research & Countermeasures (BR&C) Program, the Space Human Factors Engineering (SHFE) element of the Advanced Human Support Technology (AHST) Program, the National Space Biomedical Research Institute (NSBRI), and the Countermeasure Evaluation and Validation (CEVP) Project at the NASA Johnson Space Center. The major goals of NASA's Office of Biological and Physical Research are to: enable exploration by conducting research to enable safe and productive human habitation of space; use the space environment as a laboratory to test the fundamental principles of physics, chemistry, and biology; enable and promote commercial research in space; and use space research opportunities to improve academic achievement and the quality of life. NRA-01-OBPR-07

URL: http://research.hq.nasa.gov/code_u/nra/current/NRA-01-OBPR-07/index.html
Deadline: Notices of Intent 11/30/2001; Full Proposals 1/31/2002

40-14 Interrelationships Between Sleep and Heart, Lung, and Blood Diseases (NIH)

One goal of this Request for Applications (RFA) is to elucidate characteristics of sleep physiology, sleep disorders, and pathophysiological mechanisms mediating the interrelationships between sleep disturbance and heart, lung, and blood diseases. The specific objectives of this program are investigation of heart, lung, blood and sleep disorder pathogenesis; for diagnosis of these disorders, for therapeutic stratification of patients; and for assessing treatment efficacy. Another goal of this RFA is to identify markers of sleep disturbances produced by the use of psychoactive substances. The focus of this RFA is on novel biomarkers of sleep that can be determined by minimally invasive means and have the potential to facilitate basic and clinical studies of heart, lung, blood, and sleep disorders. RFA-HL-01-009 (NIHG 09/28/01)

URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-01-009.html>
Deadline: Letters of Intent 12/14/2001; Applications 2/24/2002

40-15 Depression and Mental Disorders in Diabetes, Renal Disease and Obesity/Eating Disorders (NIH)

There is substantial evidence that severe chronic illness may be associated with and exacerbated by co-existent mental disorders such as depression, anxiety disorders, schizophrenia, and eating disorders. Nonetheless, few studies have addressed the natural history and consequences of co-existent mental disorders on chronic diseases if interest to the NIDDK, such as diabetes mellitus,

chronic renal disease and obesity and eating disorders. Similarly, few studies have addressed the natural history and consequences of co-existent diabetes, chronic renal disease, and obesity on mental disorders such as depression, anxiety disorders, schizophrenia, and eating disorders. RFA-DK-02-009 (NIHG 09/28/01)

URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-02-009.html>
Deadline: Letters of Intent 1/18/2002, Applications 2/20/2002

40-16 Effects of Alcohol on HIV Invasion Across the Blood Brain Barrier or Placental Barrier (NIH)

This RFA intends to encourage innovative research leading to the development of new approaches, technologies, and methods to examine the effects of ethanol on HIV invasion across the blood brain barrier (BBB) or the placental barrier (PB). Research in this under-explored area is need to understand how the ingestion of alcohol modifies these barriers. In particular, research proposals may be designed to increase understanding of how ethanol consumption may alter physical and immunological properties of the blood-brain or placental barriers, with special attention to how anti-retroviral therapies for HIV could be affected. RFA-AA-02-008 (NIHG 11/02/01)

URL: <http://grants.nih.gov/grantsguide/rfa-files/RFA-AA-02-008.html>
Deadline: Letters of Intent 12/28/2001; Applications 1/23/2002

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