

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

Notice

The Department of Research and Sponsored Programs is presenting a brown bag discussion Thursday, October 4, 11:45-12:45 in Room 212, K-State Union. Paul Lowe, Assistant Vice Provost for Research and Director of PreAward Services, and Anita Fahrny, Assistant Director of PreAward Services, will discuss the process of preparing and submitting a grant application. While this discussion is geared toward new faculty, everyone is welcome to attend.

Cancellation Notice

Because Kansas' submission to the National Science Foundation's EPSCoR Cooperative Agreement competition was not selected for Phase IV funding, the Kansas/EPSCoR First Award competition for this year (deadline October 15) has been cancelled. The statewide Kansas EPSCoR meeting, scheduled for October 9 in Lawrence, has also been cancelled.

GENERAL

34-1 Biomolecular Motors (DARPA)

The principle goal of this program is to develop an understanding of the fundamental operating principles of Biomolecular motors and exploit this knowledge to harvest, modify and integrate these macromolecular assemblies into useful devices from the nano to the macro scale. This will be accomplished through the exploration of single and multiple biomolecular and biometric molecular motor assemblies. Ultimately, laboratory scale devices based on biomolecular motors will be fabricated and fully evaluated for performance, failure modes and applicability to DOD systems. The DARPA Biomolecular Motors initiative seeks to develop and demonstrate technology leading to novel devices incorporating biomolecular motors. By the end of the program, DARPA expects to have identified, fabricated, and evaluated several prototype or laboratory-scale devices and determined relative figures of merit based on performance and potential military impact. SOL-BAA02-47 (CBD 09/17/01)

URL: <http://www.darpa.mil/dso/textonly/solicitations/>

Deadline: 1/15/2002

34-2 Nanoscale Science and Engineering (NSF)

The National Science Foundation is seeking collaborative research and education proposals under an agency-wide program in nanoscale science and engineering. NSF will fund two types of research, nanoscale interdisciplinary research teams and nanoscale exploratory research. The initiative focuses on seven high-risk areas: biosystems at the nanoscale; nanoscale structures, novel phenomena and quantum control; nanoscale devices and system architecture; nanoscale processes in the environment; multi-scale multi-phenomena theory, modeling and simulation at the nanoscale; manufacturing processes at the nanoscale; and societal and education implications of scientific and technological advances on the nanoscale.

URL: <http://www.nsf.gov/pubs/2001/nsf01157/nsf01157.html>

Deadline: 12/19/2001

34-3 NSF-NATO Postdoctoral Fellowships in Science and Engineering (NSF-NATO) (NSF)

On behalf of the North Atlantic Treaty Organization (NATO), the National Science Foundation (NSF) invites proposals for 12-month postdoctoral research fellowships from beginning scientists, mathematicians, and engineers. Approximately 20 awards will be made to U.S. institutions that would like to host scientists from NATO Partner Countries. Citizens from the Czech Republic, Hungary and Poland will have Partner Country status for the 2002 competition. Eligible fields of research are: mathematics, engineering, computer and information sciences, geosciences, the physical, biological, social, behavioral, and economic sciences, the history and philosophy of science, and interdisciplinary areas comprised of two or more of these fields. Research in the teaching and learning of science, mathematics, technology, and engineering is also eligible for support. There is a limit of one proposal per Principal Investigator (PI) or institutional department. Recipients of previous NSF-NATO Postdoctoral Fellowships are not eligible. NSF-01-163

URL: <http://www.nsf.gov/cgi-bin/get-pub?nsf001163>

Deadline: 12/13/2001

AGRICULTURE

34-4 Research in Agricultural Chemistry (ACS)

The American Chemical Society Committee on Frascch Foundation Grants is offering grants for research in agricultural chemistry. This competition is restricted to tenured or tenure-track fac-

ulty in their first seven years of faculty status. Agricultural chemistry is broadly defined but projects primarily concerned with nutrition, agronomy, genetics, or entomology have not been favored. Projects should involve graduate students or postdoctoral fellows in the research.

fraschinfo@acs.org

Deadline: 10/21/2001

34-5 Soybean Research (NCSRP)

The North Central Soybean Research program (NCSRP) is seeking research pre-proposals for fiscal year 2002. Preproposals should develop solutions to problems that are common to soybean growers in the North Central States. Projects should maximize the soybean producer's returns by coordinating research efforts, minimizing regional duplication of research and assuring regional research efforts are targeted at problems of the North Central soybean producer. Priorities are Soybean Genomics Research and Soybean Research Coordination Projects in the following areas: Sudden Death Syndrome, Phytophthora Root Rot, Sclerotinia Stem Rot, Soybean Cyst Nematode, and Transformation and Regeneration of Soybeans.

Deadline: Preproposals 10/29/2001,

Invited Proposals 12/7/2001

ENGINEERING, MATHEMATICS & PHYSICAL SCIENCE

34-6 Collaborative Research in Chemistry (NSF)

The purpose of the Collaborative Research in Chemistry (CRC) program is to enable groups of researchers to respond to recognized scientific needs, to take advantage of current scientific opportunities, or to prepare the groundwork for anticipated significant scientific developments in chemistry, broadly defined. Collaborations should involve three or more investigators with complementary expertise, each of whom is an independent researcher with an established research group. The research focus should be interdisciplinary; thus, collaborators may include, in addition to chemists, researchers from other science and engineering disciplines appropriate to the proposed research. Collaborations involving investigators with backgrounds in diverse areas of chemistry are also appropriate. NSF-01-165

URL: <http://www.nsf.gov/cgi-bin/get-pub?nsf01165>

Deadline: 11/16/2001, 12/17/2001

34-7 Federal Cyber Service: Scholarship for Service (NSF)

The Federal Cyber Service: Scholarship for Service (SFS) program seeks to

increase the number of qualified students entering the fields of information assurance and computer security and to increase the capacity of the United States higher education enterprise to continue to produce professionals in these fields to meet the needs of our increasingly technological society. The SFS program is composed of two tracks: The Scholarship Track provides funding to colleges and universities for scholarships in information assurance and computer security fields. The Capacity Building Track provides funds for colleges and universities to improve the quality and increase the production of information assurance faculty and program development. NSF 01-167

URL: <http://www.nsf.gov/cgi-bin/get-pub?nsf01167>

Deadline: 11/7/2001, 12/19/2001

34-8 Trusted Computing (NSF)

The Trusted Computing program seeks to establish a sound scientific foundation and technological basis for managing privacy and security in a world linked through computing and communication technology. The program funds innovative research in all aspects of secure, reliable information systems, including methods for assessing the trustworthiness of systems. NSF 01-160

URL: <http://www.nsf.gov/cgi-bin/get-pub?nsf01160>

Deadline: 12/5/2001

34-9 Ocean Remote Sensing (NOAA)

The Commerce Department's National Oceanic and Atmospheric Administration is inviting applications for research to expand the use of and improve access to satellite oceanographic data. The program seeks proposals in areas ranging from the application of satellite oceanographic data and information in support of coastal and oceanic marine resources management to studies to increase the accuracy, precision and quantitative use of satellite oceanographic data in coastal and ocean surface research. CFDA 11.440 (FR 08/22/01)

URL: <http://www.rdc.noaa.gov/~grants/index.html>

Deadline: 10/22/2001

34-10 Research in Support of the National Space Weather Program (NSF)

The National Space Weather Program (NSWP) is a multi-agency Federal program whose goal is to mitigate the adverse effects of space weather by providing timely, accurate, and reliable space environment observation, specifications and forecasts. An effective National Space Weather Program requires a strong commitment to basic research in many areas of space-related science. Emphasis will be on understanding the fundamental physical processes that affect the state of the sun, magnetosphere, ionosphere, and upper atmosphere, focusing on answering research questions that will improve the ability to specify and predict condi-

tions in the space environment. NSF-01-155

URL: <http://www.ofcm.gov/homepage/text/pubs.htm>

Deadline: 12/3/2001

HEALTH & LIFE SCIENCES

34-11 HIV/STD Prevention Programs for Adolescents (NIH)

The National Institute of Mental Health (NIMH), National Institute of Child Health & Human Development (NICHD), and National Institute of Nursing Research (NINR) invite applications proposing studies of school-based and other community-centered prevention programs for adolescents and youth for the purpose of preventing the spread of Human Immunodeficiency Virus (HIV) infection. The purposes for this Request for Applications are to: 1) identify the community, school-system and parental attitudes and concerns associated with establishing the collaborative relationships necessary to plan and implement school-based and other community-centered intervention programs; 2) identify in-school factors such as teacher characteristics, peer influences, or the needs of special populations that are key to delivering developmentally appropriate and effective intervention programs; and 3) develop, implement, and evaluate school-based and other community centered HIV/Sexually Transmitted Disease (STD) preventive interventions. RFA-MH-02-007 (NIHG 09/21/01)

URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-02-007.html>

Deadline: Preapplications 11/14/2001; Applications 12/14/2001

34-12 2010 Project to Determine the Function of 25,000 Genes in Arabidopsis Thaliana (NSF)

The Directorate for Biological Sciences (BIO) of the National Science Foundation (NSF) announces its intention to continue support of research to determine the function of all genes in the model plant Arabidopsis thaliana by the year 2010.

Individual investigators or groups of investigators will be supported to conduct creative and innovative research designed to determine, using all available means, the function of a set of genes of the investigator's interest and choice. Also supported will be development of critical research tools for Arabidopsis functional genomics that enable a broad community of scientists to participate in the 2010 Project. NSF-01-162

URL: <http://www.nsf.gov/cgi-bin/get-pub?nsf01162>

Deadline: 12/14/2001

SOCIAL SCIENCES

34-13 German Marshall Fund Research Fellowships (GMF)

The German Marshall Fund offers grants for research to improve the understanding of significant contemporary economic,

political and social developments relating to Europe, European integration and relations between Europe and the United States. Projects should involve either comparative analysis of a specific issue in more than one country or the exploration of an issue in a single country in ways that can be expected to have relevance for other countries.

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

Deadline: 11/15/2001

STUDENT

34-14 National Academies Internship Program (NAS)

The Christine Mirzayan Internship Program of the National Academies is designed to engage graduate and postdoctoral science, engineering, medical, veterinary, business, and law students in science and technology policy and to familiarize them with the interactions between science, technology, and government. There are two sessions each year: January (12 weeks) and June (10 weeks).

URL: <http://www.national-academies.org/internship>

Deadline: 11/1/2001, 3/1/2002

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

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