

Funding Bulletin

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

November 17, 2008

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Program Information

To receive program information, please contact Beverly Page, Information Specialist, Research and Sponsored Programs, phone: (785)532-5045, e-mail: bbpage@ksu.edu

NOTICE - The Funding Bulletin is available via email. To be added to the electronic mailing list, send an email message to: listserv@listserv.ksu.edu Leave the subject line blank. In the message area, type: *sub fundingbulletin*.

Limited Submissions

Limited submission programs have sponsor restrictions on the number of proposals that may be submitted by a single institution and will require institutional screening to determine which applications will be submitted. Dr. Jim Guikema, Associate Vice Provost for Research, is the internal coordinator for limited submission programs. Please notify him at 785-532-6195, email: guikema@ksu.edu, by the Internal due date listed in the Funding Bulletin (**FB 43-10**) or by at least two months prior to the sponsor deadline if you wish to submit to a limited submission program. Currently posted Internal Deadlines: <http://www.k-state.edu/research/funding/bulletins/bul08/limits08/index.htm>

GENERAL

43-1 DHS S&T Long Range

Department of Homeland Security (DHS) Science and Technology (S&T) is interested in receiving proposals for Long Range Science and Technology Projects and innovative prototypes which offer potential for advancement and improvement of homeland security missions and operations. The overall mission and goal of S&T is to identify revolutionary, evolving, and maturing technologies that can be demonstrated to provide significant improvement to homeland security missions and operations through proof of concept prototyping with potential for transition to current and future DHS acquisition processes. S&T will focus on those key areas where risk inhibits mission and operation investments and where significant capability payoffs can be expected for successful efforts. Topical Areas of strategic interest include: Explosives countermeasures; Chemical and Biological analyses and countermeasures; Border and Maritime Security technologies and tools that better secure our land and maritime ports of entry; Command, Control & Interoperability for emergency responders, security and integrity of networked infrastructures, and the development of

automated capabilities that connect-the-dots for threat detection; Human Factors analyses and techniques to improve detection, analysis, and understanding of threats posed by individuals, groups, and radical movements; preparedness, response and recovery of communities impacted by catastrophic events; and overall effectiveness of homeland security technologies through improved usability and application; Infrastructure Protection analyses and techniques for identifying and mitigating all hazard vulnerabilities of the 17 critical infrastructure and key assets that keep our society and economy functioning. BAA08-01 (FBO 11/8/07)
URL: <http://www.fbo.gov>
Deadline: 12/31/2008

AGRICULTURE

43-2 Children, Youth and Families at Risk Liaison (USDA)

CSREES requests applications for the Children, Youth, and Families at Risk Liaison for fiscal year (FY) 2009 to coordinate fieldwork and provide technical assistance to CYFAR community and state projects. CYFAR Liaisons provide technical assistance to CYFAR community and state projects through the resources of CYFERnet. These CYFAR liaisons also provide feedback to CSREES regarding impact and the needs of community programs for at-risk youth and families. The Liaison's assignments will be expected to be carried out at the recipient's university/institution, but will include three to four in-person meetings with the CYFAR staff in the Families, 4-H and Nutrition Unit in CSREES, USDA.
URL: <http://www.csrees.usda.gov>
Deadline: 12/11/2008

43-3 Children, Youth and Families Education and Research Network (USDA)

CSREES requests applications for the Children, Youth and Families Education and Research Network (CYFERnet) for fiscal year (FY) 2009 to marshal resources of the Land-Grant and Cooperative Extension Systems so that, in collaboration with other organizations, they can develop and deliver educational programs that equip limited resource families and youth who are at risk for not meeting basic human needs with the skills they need to lead positive, productive, contributing lives. The goal of CYFERnet is to provide an Internet-based network of program, technology, and evaluation resources and technical assistance to university and community program for at-risk children, youth, and families organized around the five

CYFAR National Outcomes for Early Childhood, School Age, Teen, Parent/Family, and Community.
URL: <http://www.csrees.usda.gov>
Deadline: 12/16/2008

43-4 Bioenergy and Environment (CPBR)

The Consortium for Plant Biotechnology Research, Inc. ("CPBR"), is now issuing the Request for Preproposals for its 2010 competitions. The 2009 competitions are still in process as Congressional appropriations are not yet known.
dloehle@cpbr.org
Email: Preproposals: 12/12/2008

43-5 Sow Housing (NPB)

Many different types of systems are being used to house gestating sows throughout the world today. Research has shown that these housing systems in current use have advantages and disadvantages for the overall well-being of the gestating sow. Currently, the National Pork Board's Animal Welfare Committee sow housing research priorities target the development and evaluation of new and innovative housing systems and the optimization of components within existing housing systems. In efforts to further focus these research priorities and to develop educational resources for producers, the Pork Checkoff is making a special request for proposals to conduct exhaustive, systematic reviews of the domestic and international literature on any one of the following three categories: 1) Individual stalls (specifically includes straight sided stalls, turn around stalls, and any other enclosed, individual housing system excluding free-access stalls); 2) Group pens- individual feeding (electric sow feeders, free-access stalls, feeding stalls, etc.) 3) Group pens- group feeding (drop feeding, trickle feeding, etc).
URL: <http://www.pork.org>
Deadline: 11/25/2008

43-6 2010 Project (NSF)

The Directorate for Biological Sciences (BIO) of the National Science Foundation (NSF) announces its intention to continue support of research to determine the functions 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, genome-wide or systems-level research designed to determine, using all available means, the functions of *Arabidopsis* genes. This year, as in FY 2007, the Program will focus on: 1) research on exemplary networks using high throughput methods and integrating modeling with experimental data to understand the gene circuitry underlying

basic plant processes; 2) projects that will develop experimental and computational methods, tools, and resources for enabling a broad community of scientists to conduct functional genomics research on Arabidopsis; and 3) projects to perform genome-wide analyses of the gene function. NSF 07-591 (GG 9/13/07)

URL: <http://www.nsf.gov/pubs/2007/nsf07591/nsf07591.htm>

Deadline: 12/21/2008

EDUCATION

43-7 New Proposal Opportunities for Education and Public Outreach Supplemental Awards (NASA)

This amendment announces proposal opportunities for Education and Public Outreach supplemental awards. Principal Investigators (Pis) of selected Science Mission Directorate (SMD) research investigations may propose for Education or Outreach awards as supplements to their research award.

URL: <http://nspires.nasaprs.com>

Deadline: 12/15/2008

ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

43-8 Solar and Heliospheric Physics (NASA)

The Solar and Heliospheric Physics (SHP) program has as its objective the comprehensive study of all five solar and heliospheric research areas, namely the solar interior, solar photosphere, solar chromosphere and corona, inner heliosphere, and outer heliosphere and the interstellar boundary, through two main research thrusts, one characterized by nonflight Supporting Research and Technology (SR&T) that may be carried out in the office, observatory, or laboratory setting and one carried out by experiment hardware carried as the primary payload on balloons, sounding rockets, or as secondary, rocket-class payloads on flights of opportunity that is generically referred to as Low Cost Access to Space. Proposals in interdisciplinary research areas (e.g. solar-stellar connections) are appropriate for this program if the proposed research has clear application to Heliophysics program goals. NNH08ZDA001N-SHP (GG 11/10/08)

URL: <http://www07.grants.gov>

Deadline: Letters of Intent 12/5/2008; Proposals 2/6/2009

43-9 Renewal and Supplemental Applications for the Office of Science Grants and Cooperative Agreements (DOE)

The Office of Science (SC) of the Department of Energy (DOE) hereby announces its continuing interest in receiving renewal and supplemental grant and cooperative agreement applications for support of work in the following program areas: Basic Energy Sciences, High Energy Physics, Nuclear Physics, Advanced Scientific Computing

Research, Fusion Energy Sciences, Biological and Environmental Research, and Planning and Analysis.

URL: <http://www.grants.gov>

Deadline: 12/31/2008

43-10 Major Research Instrumentation Program (MRI) (NSF)

The Major Research Instrumentation Program (MRI) serves to increase access to shared scientific and engineering instruments for research and research training in our Nation's institutions of higher education, museums and science centers, and non-profit organizations. This program especially seeks to improve the quality and expand the scope of research and research training in science and engineering, by providing shared instrumentation that fosters the integration of research and education in research-intensive learning environments. To accomplish these goals, the MRI program assists with the acquisition or development of shared research instrumentation that is, in general, too costly and/or not appropriate for support through other NSF programs. For the purposes of the MRI Program, proposals must be for either acquisition or development. A key recommendation of a 2006 National Academies report on "Advanced Research Instrumentation and Facilities" (ARIF) was that the NSF should expand the MRI program so that it includes mid-scale instrumentation whose capital costs are greater than \$2 million, but with costs that are not appropriate for NSF's Major Research Equipment and Facilities Construction account. The MRI program now accepts proposals requesting over \$2 million in NSF support (to maximum request of \$4 million) for the acquisition of a single instrument. Limit on Number of Proposals per Organization is 1) The MRI program requires that an organization may submit or be included as a funded subawardee/subcontractor[2] in no more than three MRI proposals. No more than two proposal submissions may be for instrument acquisition. NSF 09-502 (GG 10/24/08)

URL: <http://www.nsf.gov/pubs/2009/nsf09502/nsf09502.htm>

Deadline: Internal 11/24/2008; Proposals 1/22/2008

43-11 Software and Cyberspace Information Assurance (ONR)

ONR is interested in receiving proposals for basic scientific research that will forge major advancements in software and systems research. It will lead to new insights and understanding of software producibility, systems engineering, and trust in cyberspace. It will address new and emerging challenges for the extended naval information infrastructure, which by 2020 is expected to be a highly mobile, extremely heterogeneous, globally connected, very widely dispersed, partly trusted, federated enterprise environment. ONRBAA09-002 (GG 10/27/08)

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

Deadline: 12/4/2008

43-12 K-TRAN Research Project (KDOT)

The purpose of this note is to solicit research project statements for the Kansas Transportation Research and New-Developments (K-TRAN) Program. K-TRAN Project Needs FY 2010 are: Centerline Rumble Strips on Portland Cement Concrete Pavement; A Review of the Kansas Department of Transportation (KDOT) Retroreflective Sheeting Policy; A Review of the Need for Overhead Guide Sign Lighting in the State of Kansas; Feasibility Study for the development of a break-away post system for permanent DMS Boards; Exploring Potential of Inter-Vehicle Communications (IVC) Systems for Kansas; and Maintaining Healthy Short Line Railroads for the Sustainable Economic Development.

URL: [http://www.ksdot.org/bureaus/burMatrRes/PDF/K-](http://www.ksdot.org/bureaus/burMatrRes/PDF/K-TRAN_University_Research_Program.pdf)

[TRAN_University_Research_Program.pdf](http://www.ksdot.org/bureaus/burMatrRes/PDF/K-TRAN_University_Research_Program.pdf)

Deadline: Preproposals: 11/27/2008

43-13 Environmental Education Grants (EPA)

This document solicits grant proposals to support environmental education projects that promote environmental stewardship and help develop knowledgeable and responsible students, teachers, and citizens. This grant program provides financial support for innovative projects that design, demonstrate, or disseminate environmental education practices, methods, or techniques. EPA Region 7 will accept proposals in Kansas City. EPA-EE-09-02 (GG 11/6/08)

URL: <http://www07.grants.gov>

Deadline: 12/18/2008

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