

# Funding Bulletin

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

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## 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)

## 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](mailto:guikema@ksu.edu), by the Internal due date listed in the Funding Bulletin 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/bul06/internaldl/newlimits.htm>

## GENERAL

### 11-1 Exploratory Collaboration with National Centers for Biomedical Computing (NIH)

This PAR is for projects from individual investigators or small groups to collaborate with the recently-formed NIH Roadmap for Medical Research National Centers for Biomedical Computing (NCBCs). This announcement uses the R21 mechanism, and is intended to support exploratory biomedical informatics and computational biology research—applications should be innovative, with high risk/high impact in new areas that are lacking preliminary data or development. Applications for R21 awards should describe projects distinct from those supported through the traditional R01 mechanism. In the latter case, investigators should consult the parallel announcement PAR-05-063 Collaborations with National Centers for Biomedical Computing, PA-06-223 (NIHG 3/10/06)  
**URL:** <http://grants.nih.gov/grants/guide/pa-files/PAR-06-223.html>  
**Deadline: Letters of Intent 4/19/2006, 12/19/2006; Applications 5/17/2006, 1/17/2007**

## AGRICULTURE

### 11-2 Watershed Restoration and Protection Strategy (KDHE)

The Kansas Watershed Restoration and Protection Strategy Work Group is accepting proposals for Kansas Watershed Res-

toration and Protection Strategy (WRAPS) projects for State Fiscal Year 2007. A Watershed Restoration and Protection Strategy (WRAPS) is a planning and management framework that engages stakeholders in a process to: Identify watershed restoration and protection needs; Establish watershed management goals; Create a cost effective action plan to achieve goals; and Implement the action plan. The WRAPS process includes four phases: Development, Assessment, Planning and Implementation.

**URL:** <http://kcw.kdhe.state.ks.us>  
**Deadline: 5/1/2006**

### 11-3 EPA Region 7, Watershed Improvement Grant (EPA)

Region 7 will award projects under this announcement that result in chemical, physical and/or biological improvements in water quality in a watershed. In order to accomplish this, the Watershed Improvement Grant Program will give priority consideration to projects that: have an active watershed group ready to complete management techniques to restore watersheds; have strong partnerships financially with their communities; include environmental results; have explicit and environmentally-based performance measures; and are innovative and exhibit the inherent connection of improved water quality and integrated pesticide management with three EPA Region 7 priorities: critical ecosystems, sensitive populations and agriculture. EPA-R7WWPD-06-002 (FG 2/9/06)

**URL:** <http://www.epa.gov/region07/economics/index.htm>  
**Deadline: 5/11/2006**

## ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

### 11-4 Alternative Hydrogen Production Pathway and Hydrogen Utilization (DOE)

This announcement from the Department of Energy requests applications for research and development in two different areas of interest. Area of Interest A addresses only the Alternate Hydrogen Production element and Area of Interest B addresses only the Utilization element. Alternate hydrogen production uses coal to create hydrogen-rich, zero-sulfur liquid fuels or synthetic natural gas (SNG). This element seeks to demonstrate an alternative pathway and reforming system to produce hydrogen in decentralized locations by the end of 2011. Utilization seeks to demonstrate a hydrogen and/or hydrogen-natural gas mixture fuel protocol and reciprocating internal-combustion engine (ICE) modifications for advanced engine systems. Such systems would be

needed to achieve optimum performance and lowest emissions by the end of 2015. DE-PS26-06NT42801 (GG 3/2/06)

**URL:** <https://e-center.doe.gov/iips/faopor.nsf>

**Deadline: Letters of Intent 4/17/2006; Applications 4/27/2006**

### 11-5 National Earthquake Hazards Reduction Program (DOI)

Applications are invited for research under the National Earthquake Reduction Program (NEHRP). The purpose of NEHRP is to provide products for earthquake loss reduction to the public and private sectors and by carrying out research on earthquake occurrence and effects. 07HQA0001 (GG 2/24/06)

**URL:** <http://www.grants.gov>  
**Deadline: 5/2/2006**

### 11-6 Hydrologic Sciences (NSF)

Hydrologic Sciences focuses on the flow of water and transport processes within streams, soils, and aquifers. Particular attention is given to spatial and temporal heterogeneity of fluxes and storages of water and chemicals over a wide range of scales, to geolimnology and to interfaces with the landscape, microbial communities and coastal areas. Studies may also deal with processes in aqueous geochemistry and with the physical, chemical, and biological processes within water bodies. Study of these processes requires expertise from many basic sciences and mathematics, and proposals often require joint review with related programs. NSF 06-545 (Posted 2/24/06)

**URL:** <http://www.nsf.gov/pubs/2006/nsf06545/nsf06545.htm>  
**Deadline: 6/1/2006, 12/1/2006**

### 11-7 Petrology and Geochemistry (NSF)

The Petrology and Geochemistry Program sports basic research on the formation and chemical composition of Earth materials in the crust, mantle and core. Proposals in this program generally address the petrology and high-temperature geochemistry of igneous and metamorphic rocks (including mantle samples), mineral physics, and volcanology. Proposals that bridge disciplinary boundaries or that include development of analytical tools for potential use by the broad community are also encouraged. NSF 06-543 (Posted 2/24/06)

**URL:** <http://www.nsf.gov/pubs/2006/nsf06543/nsf06543.htm>  
**Deadline: 6/1/2006, 12/1/2006**

### 11-8 Tectonics (NSF)

The Tectonics Program supports a broad range of field, laboratory, computational,

and theoretical investigations aimed at understanding the evolution and deformation of continental lithosphere through time. Proposals to elucidate the processes that act on the lithosphere at various time-scales and length-scales, either at depth or the surface, are encouraged. Because understanding such large-scale phenomena commonly requires a variety of expertise and methods, the Tectonics Program supports integrated research involving the disciplines of structural geology, petrology, geochronology, sedimentology, stratigraphy, geomorphology, rock mechanics, paleomagnetism, geodesy, and other geophysical techniques. NSF 06-544 (Posted 2/24/06)

**URL:** <http://www.nsf.gov/pubs/2006/nsf06544/nsf06544.htm>

**Deadline:** 6/1/2006, 12/1/2006

### **11-9 Broad Agency Announcement (BAA) (DOD)**

The U.S. Army Engineer Research and Development Center (ERDC) has issued a Broad Agency Announcement (BAA) for various research and development topic areas. The ERDC is responsible for conducting research in the broad fields of hydraulics, dredging, coastal engineering, instrumentation, oceanography, remote sensing, geotechnical engineering, earthquake engineering, soil effects, vehicle mobility, self-contained munitions, military engineering, geophysics, pavements, protective structures, aquatic plants, water quality, dredged material, treatment of hazardous waste, wetlands, physical/mechanical/chemical properties of snow and other frozen precipitation, infrastructure and environmental issues for installations, computer science, telecommunications management, energy, facilities maintenance, materials and structures, engineering processes, environmental processes, land and heritage conservation, and ecological processes. W912HZ-06-R-001A (FBO 1/12/06)

**URL:** <http://www.mvk.usace.army.mil/contract/docs/FY2006BAA1.pdf>

**Deadline:** 1/12/2010

## **HEALTH & LIFE SCIENCES**

### **11-10 Breast Cancer Research Program (BCRP) (DOD)**

The overall goal of the FY06 Breast Cancer Research Program (BCRP) is to promote research focused on eradicating breast cancer. Therefore, the BCRP challenges the scientific community to design innovative research that will foster new directions for, address neglected issues in, and bring new investigations to the field of breast cancer research. The BCRP focuses its funding on innovative projects, particularly those involving multidisciplinary and/or multi-institutional collaborations and alliances that have the potential to make a significant impact on breast cancer. Projects that address under-investigated avenues of research or novel applications existing technologies are strongly encouraged. W81XWH-06-BCRP-EHSA (GG 2/17/06)

**URL:** <https://cdmrp.org/>

### **Program Announcements and Forms/**

**Deadline: 4/11/2006**

### **11-11 Medical Research (DOD)**

FY06 Peer Reviewed Medical Research Program (PRMRP), Office of the Congressionally Directed Medical Research Programs (CDMRP) invites applications for funding for Peer Reviewed Medical Research Program. The PRMRP was established to provide support for military health-related research of clear scientific merit. Five different funding mechanisms that provide support for military health-related research are available. These mechanisms include: Investigator-Initiated Award, New Program Project Award, Existing Program Project Award, Advanced Technology: Product/Technology Down-Selection or Optimization Award, and Advanced Technology: Clinical Testing/Trials (Human Subjects) Award. Numerous areas of research are supported. W81XWH-06-PRMRP (GG 2/13/06)

**URL:** <https://cdmrp.org/>

### **Program Announcements and Forms/**

**Deadline: Letters of Intent 4/10/2006**  
**Applications 5/9/2006**

### **11-12 Career Enhancement Award for Stem Cell Research (NIH)**

The purpose of this funding opportunity announcement is to encourage investigators to obtain the training they need to appropriately use stem cells in their research. This program uses K18 award mechanism. The Career Enhancement Award for Stem Cell Research will enable investigators to change the direction of their research careers or take time from their regular professional responsibilities to broaden their scientific background by acquiring new research capabilities, specifically in the use of human or animal embryonic, adult, or cord blood stem cells. Two types of applicants should consider applying for support: 1) independent junior faculty who wish to expand their research by the use of stem cells, and 2) more senior, established investigators who wish to re-direct their research, in whole or in part, to include the use of stem cells. PAR-06-115 (NIHG 12/30/05)

**URL:** <http://grants.nih.gov/grants/guide/pa-files/PAR-06-115.html>

**Deadline: 6/1/2006, 10/1/2006, 2/1/2007**

### **11-13 Improving Diet and Physical Activity Assessment (R21)(R01) (NIH)**

The measurement of usual dietary intake or physical activity over varying time periods or in the past, by necessity, has relied on self report instruments. Such subjective reporting instruments are cognitively difficult for respondents, and are prone to considerable measurement errors that may vary among population subgroups and depend on the time frame considered and the characteristics of the respondents. The primary goal of this Funding Opportunity Announcement is to promote innovative research to enhance the quality of measurements of dietary

intake and physical activity. Applications may include development of: novel assessment approaches; better methods to evaluate instruments; assessment tools for culturally diverse populations; across various age-groups including older adults; improved technology or applications of existing technology; or statistical methods to assess or correct for measurement errors or biases. PAR-06-103, PAR-06-103 (NIHG 3/3/06)

**URL:** <http://grants.nih.gov/grants/guide/pa-files/PAR-06-103.html>

**URL:** <http://grants.nih.gov/grants/guide/pa-files/PAR-06-104.html>

**Deadline: Letters of Intent 5/1/2006, 1/1/2007; Applications 6/1/2006, 2/1/2007**

## **SMALL BUSINESS**

### **11-14 Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) Grant Programs (NIH)**

The purpose of this notice is to (1) announce the issuance of the Solicitation of The National Institutes of Health (NIH), Centers for Disease Control and Prevention (CDC), and Food and Drug Administration (FDA) for Small Business Innovation Research (SBIR) (PA-06-120) and Small Business Technology Transfer (STTR) (PA-06-121) Grant Applications and 2) inform the public about the opportunities that the SBIR/STTR programs offer to small business concerns. Eligible small business concerns are invited to submit SBIR and STTR grant applications for the Calendar Year (CY) 2006 to the NIH, and SBIR applications to CDC and FDA. (Note that CDC and FDA do not participate in the STTR program). NOT-OD-06-033 (NIHG 1/27/2006)

**URL:** <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-06-033.html>

**Deadline: 4/1/2006, 8/1/2006, 12/1/2006**

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

Jim Guikema, Associate Vice Provost, Graduate Research  
Caron Boyce, Administrative Specialist

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