

# 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/bul07/newlimits.htm>

## Notice

### 16-1 New NSF Publications (NSF)

The National Science Foundation has released new versions of three grants guides to be used for proposals submitted on or after June 1, 2007. The three publications are: Proposal and Award Policies and Procedures Guide, June 2007; Grant Proposal Guide, June 2007; and Award Administration Guide, June 2007. URLs are, respectively:

**URL:** [http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=nsf07140](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf07140)

**URL:** [http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=gpg07140](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=gpg07140)

**URL:** [http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=aag07140](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=aag07140)

## GENERAL

### 16-2 Radiation Biodosimetry (RaBid) (DOD)

The Defense Sciences Office (DSO) of the Defense Advanced Research Projects Agency (DARPA) is seeking proposals for new technologies for rapid, high-throughput, portable and low-cost biodosimeters to determine radiation dose to individuals after acute radiation exposure. The aggressive goals of the RaBid Program require that each proposal include a team with demonstrated (or established) capability. At a minimum, proposers are expected to possess expertise or demonstrate collaboration with professionals in the following areas: a) Radiation Biologist/Radiation Oncologist—with expertise in radiation

exposure to animal models; b) Engineering—with developmental expertise needed to translate biological sampling to radiation readout. BAA07-29 (FBO 4/10/07)

**URL:** [www.darpa.mil/dso/solicitations/solicit.htm](http://www.darpa.mil/dso/solicitations/solicit.htm)

**Deadline: White Papers 5/11/2007;  
Proposals 7/9/2007**

### 16-3 Young Investigator Research Program (AFOSR)

The AFOSR's Young Investigator Research Program (YIP) is to support scientists and engineers who have received Ph.D. or equivalent degrees in the last five years (on or after 1 May 2002) and who show exceptional ability and promise for conducting basic research. The objective of this program is to foster creative basic research in science and engineering, enhance early career development of outstanding young investigators, and increase opportunities for the young investigators to recognize Air Force mission and the related challenges in science and engineering. AFOSR-BAA-2007-7 (GG 4/6/07)  
**URL:** <http://www.afosr.af.mil/>  
**Deadline: 7/24/2007**

## AGRICULTURE

### 16-4 Equine Assisted Activities/Therapies Research Proposals (HHF)

The Horses and Humans Research Foundation is a nonprofit organization that seeks to facilitate universal understanding and appreciation of the significant influence of horses on humans. The foundation's primary goal is to support, promote, and fund scientific research that explores the claimed yet unsubstantiated benefits of equine assisted activities, leading to the discovery of the most effective methods and techniques for conducting thousands of existing and future programs. A secondary goal is to educate the public on research findings so that equine-assisted activities become more accessible to those in need. The foundation invites proposals to investigate the therapeutic effects of horses on humans. The foundation's broad research agenda includes basic research as well as clinical studies that will ultimately impact physical and mental health and the quality of life for people with disabilities who are involved with equine-assisted activities/therapies.

**URL:** <http://horsesandhumans.org>  
**Deadline: 6/30/2007**

## EDUCATION

### 16-5 Education Research and Special

### Education Research (ED)

The Institute of Education Sciences announces competitions for grants to support education and special education research and research training. Applications must address one of the listed research topics which include for Education Research: Reading and Writing; Mathematics and Science Education; Interventions for Struggling Adolescent and Adult Readers and Writers; Early Childhood Programs and Policies; Education Technology; Postsecondary Education. For Special Education Research topics include: Early Intervention, Early Childhood Special Education, and Assessment for Young Children with Disabilities; Mathematics and Science Special Education; Reading, Writing and Language Development; and Serious Behavior Disorders. Postdoctoral Research Training funding is also available. CFDA 84/305A-1, 84.305B-1, 84.324A-1 (FR 4/6/07)

**URL:** <http://ies.ed.gov/funding>

**Deadline: 7/26/2007**

## ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

### 16-6 Future Generation Photovoltaic Devices and Processes (DOE)

In his January 2006 State of the Union Address, President Bush announced the Advanced Energy Initiative. To change how we power our homes and offices, we will invest more in zero-emission coal-fired plants, revolutionary solar and wind technologies, and clean, safe nuclear energy. In order to meet this initiative, U.S. Department of Energy (DOE) has created the Solar America Initiative (SAI). The SAI will accelerate the development of advanced photovoltaic (PV) technologies with the goal of making solar electricity generation cost-competitive with other forms of renewable electricity by 2015. To support the development of long-term technological advances, the SETP is providing a FOA to perform exploratory R D for the development of innovative, revolutionary, and highly disruptive future-generation solar to electric conversion technologies. DE-PS36-07GO97025 (GG 4/5/07)

**URL:** <http://www.grants.gov/search/search.do?mode=VIEW&opld=13405>  
**Deadline: 6/26/2007**

### 16-7 NASA ARMD Research Opportunities in Aeronautics (NASA)

The National Aeronautics and Space Administration (NASA) Headquarters has released the NASA Research Announcement (NRA) for foundational research in support of the Aeronautics Research Mission Directorate (ARMD). The ROA NRA solicits foundational research pro-

posals for the four programs within ARMD: the Airspace Systems Program, the Aviation Safety Program, the Fundamental Aeronautics Program and the Aeronautics Test Program. The Airspace Systems Program will directly address the Air Traffic Management (ATM) research needs of the Next Generation Air Transportation Systems (NGATS) initiative. NNH06ZEA001N (GG 2/1/07)

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

**Deadline:** 7/6/2007

#### 16-8 MARGINS Program (NSF)

The MARGINS program was initiated by the scientific community and the National Science Foundation and has been designed to elevate our present largely descriptive and qualitative knowledge of continental margins to a level where theory, modeling and simulation, together with field observation and experiment, can yield a clearer understanding of the processes that control margin genesis and evolution. MARGINS fosters the involvement of a broad cross-section of investigators in focused, multidisciplinary experiments at certain focus sites, to achieve the objectives that could not be accomplished otherwise. The MARGINS Program concentrates on four scientific initiatives at these focus sites: Rupturing Continental Lithosphere Experiment (RCL)—Gulf of California and Red Sea focus sites; Subduction Factory Experiment (SubFac)—Izu-Bozoin-Marianas and Nicaragua-Costa Rica focus sites; Seismogenic Zone Experiment (SEIZE) Nankai and Nicaragua-Costa Rica focus sites; and Source-to-Sink (S2S)—Fly River/Gulf of Papua New Guinea and Waipoa River New Zealand focus sites. NSF 07-546 (Posted 2/2/07)

**URL:** <http://www.nsf.gov/pubs/2007/nsf07546/nsf07546.htm>

**Deadline:** 7/1/2007

### HEALTH & LIFE SCIENCES

#### 16-9 Advancing Theory in Biology (NSF)

The Biological Sciences Directorate invites submission of proposals that advance our conceptual and theoretical understanding of the dynamics of living systems. The emergence of complex biological phenomena from dynamic interactions among less complex elements is a central theme in modern biology, and it permeates inquires at all levels of biological organization from macromolecules to ecosystems. Such interactions are typically non-linear, disturbed, and often span many levels of biological organization. These properties limit the understanding that can be gained by traditional experimental analyses. The program is designed to develop new conceptualizations and theoretical approaches to identify fundamental principles that traverse levels of biological complexity. NSF 07-556 (GG 4/3/07)

**URL:** <http://www.nsf.gov/pubs/2007/nsf07556/nsf07556.htm>

**Deadline:** 7/3/2007

#### 16-10 Development and Evaluation of Innovative Approaches for the Quantitative Assessment of Pathogens and Cyanobacteria and Their Toxins in Drinking Water (EPA)

The U.S. Environmental Protection Agency (EPA), as part of its Science to Achieve Results (STAR) program, is seeking applications proposing development and evaluation of innovative approaches to quantitatively detect pathogens or toxigenic cyanobacteria of the identified high priority cyanotoxins: microcystins, anatoxin-a, and cylindrospermopsins, in drinking water. The purpose of this request for applications is to improve the suite of available detection methods for known and emerging microbial drinking water contaminants including freshwater algae or its toxins. EPA-G2007-STAR-G1 (GG 3/19/07)

**URL:** <http://www.grants.gov/search/search.do?mode=VIEW&opId=13091>

**Deadline:** 7/10/2007

#### 16-11 Right Heart Function in Health and Chronic Lung Diseases: (R01) (NIH)

The primary objective of this program announcement is to support research that focuses on the interaction or relationship between the right ventricle and the lungs in both health and disease, and to stimulate research that will provide a more complete and clear picture of the mechanisms of right heart failure associated with chronic lung diseases. We encourage research which concentrates on building a foundation of basic knowledge of right ventricle physiology and the basic cellular, molecular and biomechanical factors contributing to right ventricular dysfunction associated with pulmonary diseases. PA-07-043 (NIHG 11/17/06)

**URL:** <http://grants.nih.gov/grants/guide/pa-files/PA-07-043.html>

**Deadline:** 6/5/2007, 10/5/2007, 2/5/2008

### INTERNATIONAL/MULTICULTURAL

#### 16-12 European Union-United States Atlantis Program (ED)

The purpose of this program is to provide grants to or enter into cooperative agreements with eligible applicants to improve postsecondary education opportunities by developing and implementing undergraduate joint or dual degree programs or short-term exchange programs. The EU-U.S. Atlantis program is a revision of the European Union-United States Cooperation Program in Higher Education and Vocational Education and Training. These awards support only the participation of U.S. institutions and students in these consortia. European Union institutions participating in any consortium proposal responding to the invitational priority may apply, respectively, to the Directorate-General for Education and Culture (DG EAC), European Commission for funding under a separate but parallel EU competition. CFDA # 84.1116J (FR 4/4/07)

**URL:** <http://www.ed.gov/news/fedregister>

**Deadline:** 5/31/2007

#### 16-13 Youth Leadership Program: Diversity, Democracy, Globalization, and Citizenship (STATE)

The Office of Citizen Exchanges, Youth Programs Division, of the Bureau of Educational and Cultural Affairs announces an open competition for the Youth Leadership Program: Diversity, Democracy, Globalization, and Citizenship in which the participating countries will be Turkey, Germany, and the United States. Organizations may submit proposals to recruit and select 30-40 youth and adult participates overseas and in the United States, to provide the participants with a 25- to 30-day U.S.-based exchange program, and to support follow-on activities for the alumni. ECA/PE/C/PY-07-31 (FR 4/5/07)

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

**Deadline:** 5/31/2007

### SOCIAL SCIENCES

#### 16-14 Methodology and Measurement in the Behavioral and Social Sciences (R01) (NIH)

The goal of this Funding Opportunity Announcement is to encourage research that will improve the quality and scientific power of data collected in the behavioral and social sciences. Research that addresses methodology and measurement issues in diverse populations, issues in studying sensitive behaviors, issues of ethics in research, issues related to confidential data and the protection of research subjects, and issues in developing interdisciplinary, multimethod, and multilevel approaches to behavioral and social science research is particularly encouraged, as are approaches that integrate behavioral and social science research with biological, physical, or computational science research or engineering. NIHG 11/24/06 (PA-07-060)

**URL:** <http://grants.nih.gov/grants/guide/pa-files/PA-07-060.html>

**Deadline:** 6/5/2007, 10/5/2007, 2/5/2008

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