

Funding Bulletin

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

February 23, 2004

Vol. 13, No. 7

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

AGRICULTURE

7-1 Biomass Research and Development Initiative (DOE)

The U.S. Department of Agriculture (USDA) and the U.S. Department of Energy (DOE) jointly announce the availability of fiscal year 2004 (FY04) funds and solicit applications for financial assistance addressing research, development, and demonstration of biomass based products, bioenergy, biofuels, biopower, and related processes. This funding opportunity is intended to promote greater innovation and development related to biomass, and to support Federal policy calling for greater use of biomass-based products, feedstock production, and processing and conversion. This year's focus is on development and demonstration projects that lead to greater commercialization. DE-PS36-04GO94002 (FG 12/24/03)
URL: <http://www.go.doe.gov/funding.html>
Deadline: 03/26/2004

7-2 Biopesticide Demonstration Grants

The IR-4 Biopesticide Research Program announces a request for grant proposals for funding of efficacy research in 2004. With newer targeted conventional chemicals there is interest in resistance management to maintain the utility of those products. Therefore, IR-4 is especially interested in proposals containing biopesticides as resistance management tools, rotated with conventional products. While resistance management is an important interest, the proposal must still have a majority focus on biopesticides.
URL: <http://ir4.rutgers.edu/docs/2004CallforProposals.htm>
Deadline: 3/19/2004

EDUCATION

7-3 Interagency Education Research Initiative (IERI) (NSF)

The Interagency Education Research Initiative (IERI) is a collaborative effort jointly sponsored by the National Science Foundation, the Institute of Education Sciences in the U.S. Department of Education, and the National Institute of Child Health and Human Development in the National Institutes of Health. In FY 2004 the IERI grant competition will be man-

aged separately by each agency. The National Science Foundation invites proposals for research projects that will investigate the effectiveness of interventions designed to improve student learning and achievement in preK-12 science and/or preK-12 mathematics with an emphasis on middle and high school. Technology should be a part of the intervention or used in an essential manner in the analysis of the intervention. NSF 04-553 (2/10/04)

URL: <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf04553>

Deadline: Letters of Intent 4/1/2004, 3/1/2005; Proposals 5/10/2004; 4/6/2005

7-4 Early Childhood Educator Professional Development Program (ED)

The purpose of the Early Childhood Educator Professional Development (ECEPD) program is to enhance the school readiness of young children, particularly disadvantaged young children, and to prevent them from encountering difficulties once they enter school. Projects funded under the ECEPD program provide high-quality, sustained, and intensive professional development for these early childhood educators in how to provide developmentally appropriate school-readiness services for preschool-age children that are based on the best available research on early childhood pedagogy and on child development and learning. CFDA: 84.349A (FR 2/5/04)
URL: <http://www.ed.gov/programs/eceducator/index.html>
Deadline: 3/16/2004

ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

7-5 2004 National Geospatial-Intelligence Agency University Research Initiatives (NURI) (DOD)

The National Geospatial-Intelligence Agency (NGA) announces a Fiscal Year 2004 competition for the NGA University Research Initiatives (NURI). NURI is a NGA initiative to enhance the capabilities of U.S. universities to perform research and related education in science and engineering areas critical to the NGA mission and to national defense. NGA expects to make awards in several specific research topics. HM1582-04-BAA-0002 (FBO 1/26/04)
URL: <http://www.nga.mil>
Deadline: 3/19/2004

7-6 Advanced Computational Electromagnetics (ACE) Workshop (DOD)

The Defense Sciences Office (DSO) of the Defense Advanced Research Projects

Agency (DARPA) is sponsoring an informational gathering workshop for a possible new DARPA ACE program. This potential program would undertake development and validation of new approaches for electromagnetic scattering prediction relevant to radar cross-section (RCS) design of surface ships. Specific foundational challenges to be addressed in the anticipated ACE program are: 1) Prediction of scattering from rough and/or dynamic surfaces; 2) Incremental updating of previously computed solutions when the geometry or material properties of a scatterer are perturbed; 3) Hybridization of techniques to efficiently handle scatterers having defined regions with different characteristics; and 4) Quantitative propagation of uncertainties in properties of the scatterer and illumination to uncertainties in the scattering prediction. The workshop will be held March 29, 2004 at the Ritz-Carlton Hotel, Pentagon City in Arlington, VA. The workshop goals are: (a) introduce the relevant research and practitioner communities in academia, industry, and Government to the ACE program vision and goals, and (b) promote formation of teams having capabilities to develop new mathematical and computational methodologies, design benchmark applications for the evaluation of these new approaches, and foster their insertion into the practice of designing ships and other military vehicles. SN04-14 (FBO 2/12/04)

URL: <http://www.eventmakeronline.com/dso/View/Index.asp?meetingid=241>
Deadline: Registration 3/17/2004

7-7 P3 Award: A Student Design Competition for Sustainability (EPA)

The P3 Award Competition has two phases: initially teams compete for \$10,000 P3 grants. Recipients use the money to research and develop their projects during the academic year. Then in spring 2005, the P3 grant recipients will be invited to Washington, D.C. to compete for the P3 Award which conveys additional funding for further design development and implementation. Challenges from a wide range of categories will be considered, including: water quality and quantity, energy production and distribution, green chemistry and engineering, biotechnology, conservation of materials and energy, product design, mobility, information technology, and delivery of resources (i.e., educational, medical, etc.). The P3 Award is directed at undergraduate and/or graduate teams.
URL: <http://es.epa.gov/ncer/P3/>
Deadline: 3/25/2004

7-8 Research in Networking Technology and Systems (NeTS) (NSF)

The goals of the Networking Technology and Systems (NeTS) program are to sus-

tain the science and technology needed to fulfill our vision for next-generation networks as well as to address the limitations of existing networks. Projects are encouraged to make bold assumptions about the future and to develop network goals. NeTS will fund a balance of fundamental and experimental research projects to create next-generation networks, increase our understanding of large and complex heterogeneous networks, continue the evolution of the existing network, and integrate research and education in creative ways. NSF 04-540 (1/14/04)
URL: <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf04540>
Deadline: 4/14/2004

7-9 Architectures for Cognitive Information Processing (ACIP) (DARPA)

The Defense Advanced Research Projects Agency (DARPA) Information Processing Technology Office (IPTO) is soliciting proposals for the first phase of a new program in Architectures for Cognitive Information Processing (ACIP). The goal of the ACIP program is to develop a new generation of computing architectures (both hardware and software) that will enable revolutionary advances in cognitive information processing algorithms and systems for real-time DoD applications. BAA04-14 (FBO 1/21/04)
URL: <http://www.darpa.mil/ipto/Solicitations/solicitations.htm>
Deadline: 3/19/2004, 1/21/2005

7-10 Advanced Technological Education (ATE) (NSF)

This program promotes improvement in technological education at the undergraduate and secondary school levels by supporting curriculum development; the preparation and professional development of college faculty and secondary school teachers; internships and field experiences for faculty, teachers, and students; and other activities. With an emphasis on two-year colleges, the program focuses on the education of technicians for the high-technology fields that drive our nation's economy. The program also promotes articulation between programs at two-year colleges and four-year colleges and universities. NSF 04-541 (1/14/04)
URL: <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf04541>
Deadline: Preliminary Proposals 4/21/2004; Proposals 10/8/2004

HEALTH & LIFE SCIENCES

7-11 Building the Capacity of the Health Care Safety Net in Kansas

The Sunflower Foundation has identified improving access to health care as a priority funding objective, with a focus on access issues faced by the uninsured and underinsured. These vulnerable populations often rely on the health care safety net for their care. The growing number of persons who are uninsured and underinsured has increased an already heavy load

on safety net providers. For that reason, the foundation recognizes the importance of identifying ways to help strengthen the capacity of these providers. This RFP has three funding components to help an organization build its capacity: assessment, implementation, and creating linkages. RFP 04-101
URL: <http://www.sunflowerfoundation.org>
Deadline: 3/15/2004

7-12 Postdoctoral Research Fellowships in Biological Informatics (NSF)

The Directorate for Biological Sciences (BIO) offers Postdoctoral Research Fellowships in Biological Informatics to recent recipients of the doctoral degree for research and training in developing and using computational, statistical, and other tools in the collection, organization, dissemination, and use of information to solve problems in biology. Fellows who accept a tenure-track position following the fellowship may apply for research starter grants. NSF 04-539 (1/13/04)
URL: <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf04539>
Deadline: 4/12/2004, 4/11/2005, 4/10/2006

7-13 Revolutionary Genome Sequencing Technologies (NIH)

The purpose of this Request for Applications (RFA) is to solicit grant applications to develop novel technologies that will enable extremely low-cost genomic DNA sequencing. Current technologies are able to produce the sequence of a mammalian-sized genome of the desired data quality for \$10 to \$50 million; the goal of this initiative is to reduce costs by at least four orders of magnitude, so that a mammalian-sized genome could be sequenced for approximately \$1000. It is anticipated that the realization of the goals of this RFA is a long-range effort that is likely to require as much as ten years to achieve. RFA-HG-04-003 (NIHG 12/13/04)
URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HG-04-003.html>
Deadline: Letters of Intent 3/15/2004, 9/14/2004; Applications 4/15/2004, 10/14/2004

7-14 Near-Term Technology Development for Genome Sequencing (NIH)

The purpose of this Request for Applications (RFA) is to solicit grant applications to develop novel technologies that will substantially reduce the cost of genomic DNA sequencing. It is anticipated that emerging technologies are sufficiently advanced that, with additional investment, it may be possible to achieve proof of principle or even early stage commercialization for genome-scale sequencing within five years. RFA-HG-04-002 (NIHG 2/13/04)
URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HG-04-002.html>
Deadline: Letters of Intent 3/15/2004,

9/14/2004; Applications 4/15/2004, 10/14/2004

7-15 NIDCD Small Grant (R03) Program (NIH)

The NIDCD Small Grant (R03) Program is designed to support basic and clinical research of scientists who are in the early stages of establishing an independent research career. The Small Grant (R03) Program may be used to support individuals transitioning from postdoctoral status to their first independent research position. The research must be focused on one or more of the areas within the biomedical and behavioral scientific mission of the NIDCD. PAR-04-062 (NIHG 2/13/04)
URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-04-062.html>
Deadline: 4/22/2004, 7/15/2004, 11/15/2004

SOCIAL SCIENCES

7-16 Research on Rural Mental Health and Drug Abuse Disorders (NIH)

The National Institute of Mental Health (NIMH) and the National Institute on Drug Abuse (NIDA) invite grant applications for research that will ultimately lead to a reduction in the burden of mental illness and drug abuse in rural and frontier populations. The purpose of this program announcement is to stimulate research that will: 1) enhance understanding of structural, cultural, and individual factors that may limit the provision and utilization of prevention and treatment services in these communities; and (2) generate knowledge to improve the organization, financing, delivery, effectiveness, quality, and outcomes of mental health and drug abuse services for diverse populations in rural and frontier populations. PA-04-061 (NIHG 2/13/04)
URL: <http://grants.nih.gov/grants/guide/pa-files/PA-04-061.html>
Deadline: 6/1/2004, 10/1/2004, 2/1/2005

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

Ted Knous, Associate Vice Provost for Research

Caron Boyce, Secretary

Jim Guikema, Associate Vice Provost, Graduate Research

Preaward Section
 Paul Lowe, Director
 Anita Fahrny, Assistant Director
 Kathy Tilley, Carole Lovin, Rich Doan, Beverly Nichols, Jean Sommer, Rex Goff, Dawn Caldwell, Jodi Milliner

Information Specialist & Editor
 Beverly Page

Human Subjects, Animal Care & Use, and Biosafety
 Gerald P. Jaax, Research Compliance Officer
 Alissa Ross, Secretary

Congressional Relations
 Sue Peterson, R.W. Trewyn