

Research News & Funding

KU's Resource for Research Information

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AGENCY ANNOUNCEMENTS

NSF Astronomy Division Releases Dear Colleague Letter

The Astronomy Division at the National Science Foundation released a dear colleague letter last week highlighting ongoing funding opportunities, proposal preparation requirements, and an update of current program activities. For specific details, visit www.nsf.gov/pubs/2003/nsf03006/nsf03006.htm.



NSF Division of Environmental Biology Discuss Revisionary Syntheses in Systematics

The Division of Environmental Biology—Systematic Biology has released a dear colleague letter on research interests in Revisionary Syntheses in Systematics. Program details are available at www.nsf.gov/pubs/2003/nsf03007/nsf03007.htm.

Funding Opportunities

Business

Curriculum Development Grant Program

(Procter & Gamble)

This program provides seed money for cutting edge curriculum development projects. Current areas of interest include: defining and redefining markets; structures and systems for managing business transnationally; leading, managing, and adapting to change; effective project management; principle based decision making; use of new technologies to create new and better products; discontinuous innovation in product development and marketing; enterprise resource planning; electronic commerce; and rapid transfer of knowledge and technology. To be considered, a project must advance student learning in areas of high interest to business, develop classroom teaching vs. research, and have the college or university's support.

Deadline: 1/31/03

<http://fundingopps.cos.com/cgi-bin/getRec?id=3737>

Education

Family Literacy Initiatives

(National Book Scholarship Fund)

This program supports family literacy programs administered by nonprofits nationwide. Grants consist of New Readers Press books and educational materials designed to meet “the unique learning needs of adult literacy students, tutors, teachers, and trainers.” Priority will go to family literacy programs and English-as-a-Second-Language projects followed by adult basic educational programs.

Deadline: 12/5/02

www.nbsf.org

Engineering and Computer Science

BAA for Simulation and Training Technology Research and Development

(Department of Defense)

The Naval Air Warfare Center Training Systems Division (NAWCTSD) has announced a BAA for all R&D areas of interest relating to simulation and training technology. NAWCTSD has comprehensive simulation training system responsibilities ranging from research and technology-based development through system acquisition and life cycle support. Specific research topics are announced in the BAA.

Deadline: 12/31/02

<http://www.ntsc.navy.mil/Ebusiness/BusOps/Acquisitions/Index.cfm>

Computer Systems Architecture

(National Science Foundation)

This program supports basic research on new computing systems and architectures. The focus of the program is on new architecture ideas and concepts that will form the basis for solving computing problems likely to arise in the future. The program covers the design, implementation, and evaluation of novel computing structures and technologies. Theoretical and small-scale experimental studies are supported, as are assessments of fault tolerance and performance. Special attention is given to research on the following: emerging architectures; hardware-software co-design; microarchitecture; metrics and parallelism; systems; memory; and input/output.

Deadline: 12/4/02

<http://fundingopps.cos.com/cgi-bin/getRec?id=30915>

Humanities

AAS-National Endowment for the Humanities

Fellowships

(American Antiquarian Society)

The NEH funds long-term postdoctoral fellowships at the American Antiquarian Society. Fellows must devote full time to their study and may not accept teaching assignments or undertake any other major activities during the tenure of the award. Preference will be given to individuals who have not held long-term fellowships during the three years preceding the period for which the application is being made.

Deadline: 1/15/03

www.americanantiquarian.org/acafellowship.htm#long

Franklin Research Grants

(American Philosophical Society)

This program is designed to help meet the costs of travel to libraries and archives for research purposes, the purchase of microfilm, the costs associated with fieldwork, or laboratory research expenses. Applicants are expected to have a doctorate. Pre-doctoral graduate students are not eligible, but the Society is interested in supporting the work of young scholars who have recently received their PhDs.

Deadline: 12/1/02

www.amphilsoc.org

Fulbright American Studies Institutes for Foreign University

(Department of State)

Applications are being invited to develop and implement two post-graduate-level programs designed for multinational groups of 18 experienced foreign university faculty and educators. Program themes are: Managed Diversity: The American Experience; and American Political Development: Ideas and Institutions. (October 17 *Federal Register*)

Deadline: 1/13/03

www.gpo.gov/su_docs/aces/aces140.html

Libraries and Museums

Loleta D. Fyan Public Library Research Grant

(American Library Association)

This grant is provided for the development and improvement of public libraries and the services they provide.

Deadline: 12/13/02

www.ala.org/alaorg/ors/fyan.html

Medicine and Life Sciences

AFAR Research Grants

(American Federation for Aging)

AFAR provides up to 25 awards of \$60,000 for one to two years for junior faculty to do research that will serve as the basis for longer-term research efforts. AFAR supported investigators study a broad range of biomedical and clinical topics. In addition, AFAR will offer four \$50,000 awards for postdoctoral fellows.

Deadline: 12/13/02

www.afar.org

Heartland Affiliate Grant-in-Aid

(American Heart Association)

The objective of this program is to encourage and adequately fund the most innovative and meritorious research projects from independent investigators. Research broadly related to cardiovascular function and disease, stroke or to related clinical, basic science, bioengineering or biotechnology, and public health problems are of interest.

Deadline: 1/14/03

www.americanheart.org

Fellowship Awards in the Neurosciences

(Klingenstein Fund)

Fellowship Awards in the Neurosciences support young investigators in the early stages of their careers who are engaged in basic or clinical research that may lead to a better understanding of epilepsy. The Klingenstein Fund recognizes that to accomplish this goal it is necessary to encourage a variety of new approaches. Several areas within the neurosciences are of particular interest to the fund. Those areas include: cellular and molecular neuroscience (studies of the mechanisms of neuronal excitability and development, and of the genetic basis of seizure disorders); neural systems (studies of the integrative function of the nervous system); and clinical research (studies designed to improve the prevention, diagnosis, treatment, and understanding of the causes of epilepsy).

Deadline: 12/6/02

<http://fundingopps.cos.com/cgi-bin/getRec?id=3386>

Operation of Sensors In Vivo

(National Institutes of Health)

Investigator-initiated applications for research grant awards (R01) or exploratory/developmental research grant awards (R21) are being requested for the development of innovative technologies designed to increase the utility of a sensor in vivo. In particular, novel sensing modalities need to be developed that operate in vivo or that alter the healing dynamics at the sensor

insertion point. A team-based, collaborative approach is encouraged.

Deadline: 1/6/03 (LOI); 1/21/03 (Application)

<http://grants1.nih.gov/grants/guide/rfa-files/RFA-EB-03-001.html>

Impact of Child Psychopathology and Childhood Interventions on Subsequent Drug Abuse

(National Institutes of Health)

This program is soliciting research applications to study the relationship between psychopathologic and behavioral conditions in childhood, the risk for later drug use disorders, and the impact of childhood mental health interventions on modifying the risk for later drug use disorders.

Deadline: 11/22/02 (LOI); 12/23/02 (Application)

<http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-03-007.html>

National Library of Medicine Postdoctoral Research Participation Program

(Oak Ridge Associated Universities)

The National Library of Medicine Postdoctoral Research Participation program is designed to provide opportunities to participate in ongoing research and development programs for individuals in medical informatics, library science, medical education, health care, computer science, and related disciplines. The fellowship will take place at the National Library of Medicine in Bethesda, Maryland.

Deadline: 1/15/03

www.orau.gov/orise/edu/nlm/gi-pdRP.htm

Physical Sciences and Mathematics

Phytoremediation Research

(Department of Energy)

This program notice solicits applications for research projects that address the fundamental mechanisms of interactions between plants, microorganisms, and contaminant chemicals in soils, sediments and water (potentially marine, estuarine, or freshwater systems), which result in the degradation, extraction, volatilization, or stabilization of the contaminant.

Deadline: 1/15/03

<http://fundingopps.cos.com/cgi-bin/getRec?id=74180>

Advanced College and University Coal Research Grants

(Department of Energy)

Grant proposals are being accepted to support academic research (including the active participation of students) on advanced fossil energy technologies for the marketplace. Core grant areas

include: membranes and components; high performance materials; coatings and development; sensors and control; advanced coal system by-product utilization; computational chemistry for reforming technology; electrical interconnects for coal-based solid oxide fuel cell systems; and partitioning and mechanism studies for mercury and associated trace metals within coal-fired processes. (October 25 *Federal Register*)

Deadline: 12/2/02

<http://e-center.doe.gov>

Development of Watershed Classification Systems for Diagnosis of Biological Impairment in Watersheds and Their Receiving Water Bodies

(Environmental Protection Agency)

This program seeks the development of regionalized watershed classification schemes that can be used within the context of a national framework for determining ecosystem vulnerability, designing monitoring systems, and identifying watershed restoration opportunities. Regionalized classification schemes should be based on a strong conceptual understanding of watershed processes, as well as illustrating quantitative linkages among watershed attributes, loadings and ecological response.

Deadline: 1/29/03

<http://es.epa.gov/ncer/rfa/current/2003wshedclass.html>

Extragalactic Astronomy and Cosmology

(National Science Foundation)

This program funds theoretical and observational studies of extragalactic objects ranging from nearby galaxies to the most distant quasars, and their relevance to galactic evolution and cosmology.

Deadline: 11/15/02

www.nsf.gov/mps/divisions/ast/about/c_programs.htm

Educational Component of the National Cooperative Geologic Mapping Program

(U.S. Geological Survey)

Applications are being accepted for the EDMAP (Educational Component of the National Cooperative Geologic Mapping Program) from colleges and universities with accredited masters and doctoral programs in geosciences or related departments. This program is a component of the National Geologic Mapping Program that is designed to produce information on areas of scientific, social, or economic welfare in the U.S. The funding is for supporting master's and doctoral students during geologic field mapping.

Deadline: 11/13/02

<http://www.usgs.gov/contracts/EDMAP/index.html>

Social Science

Mechanism for Time-Sensitive Research Opportunities

(National Institutes of Health)

The National Institute of Mental Health encourages investigator-initiated research applications that seek to address problems of major public mental health significance in which the opportunity to conduct research is time limited. The purpose of this program is to enhance research activity and enable portfolio development in rapidly evolving areas in which research opportunities are fleeting.

Deadline: 1/3/03

<http://grants.nih.gov/grants/guide/pa-files/PA-01-136.html>

Multiple Disciplines

Gordon Cain Fellowship in Technology, Policy, and Entrepreneurship

(Chemical Heritage Foundation)

This foundation seeks to increase public understanding of chemical sciences and technologies through the historical study of the chemical industries including petrochemicals, pharmaceuticals, biotechnology, polymers and plastics, and of chemical engineering, agricultural chemicals and environmental remediation. The Gordon Cain Fellowship program provides a one-year residence at CHF to carry out historical research on the development of the chemical industries.

Deadline: 12/1/02

www.chemheritage.org/historicalservices/scholars/cainfellow.htm

Future Leaders Exchange: Disability Workshop

(Department of State)

Applications are being invited to conduct a special reentry workshop for students with disabilities who are participating in the 2002-03 Future Leaders Exchange (FLEX) program. The workshop will involve 16 to 18 secondary school students from Eurasia and address problems students with disabilities may encounter returning to their home countries after having enjoyed the accessibility and other disability supports offered in the U.S. The workshop will help prepare students to readjust to their home cultures; conduct activities to further develop leadership skills and foster empowerment; and provide students with tools that will enable them to conduct outreach programs in support of disability rights in their home countries. (October 25 *Federal Register*)

Deadline: 12/16/02

www.gpo.gov/su_docs/aces/aces140.html

Research News and Funding is a bulletin that provides funding opportunity information for the faculty and research community at the University of Kansas. Subscriptions are available by campus mail, e-mail, or on-line at <http://www.research.ku.edu/kucr/fundops/index.shtml>. Please contact Angie Loving (864-7472 or aloving@ku.edu) for subscription requests.

Allocating Family Assets

(National Institutes of Health)

Applications are being invited on the interaction of public policy, family decisions about allocating resources, and effects on family members over time. The program asks researchers to examine the ways in which private family decisions about resource allocation result in improvements in health, wealth accumulation and the well-being of children, adults and elderly family members across generations and how public policies affect these allocations. Institutes advise addressing the big picture and taking the long view of issues that too often look at policies as they relate to one age group and exclude others; for example research on welfare, health insurance, tax credits, child and fragile family support, school reform, child care, etc.

Deadline: 1/23/03 (LOI); 2/20/03 (Application)

<http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-02-030.html>

Health, Environment and Economic Growth

(National Institutes of Health)

Applications are being invited for research and capacity-building projects in developing countries on topics that combine health, environment and economic development issues. This program focuses on the effects of the natural environment and economic development on human health. It especially seeks research that focuses on developing a better understanding of the economic behavior of individuals and groups that affects health outcomes through changes in environmental conditions.

Deadline: 11/30/02 (LOI); 12/30/02 (Application)

<http://grants1.nih.gov/grants/guide/rfa-files/RFA-TW-03-005.html>

Gender Diversity in Science, Technology, Engineering and Mathematics

(National Science Foundation)

This program seeks to broaden the participation of girls and young women in all fields of science, technology, engineering, and mathematics education by supporting research, demonstration, and dissemination projects that will lead to change in education policy and practice. Typical projects will investigate gender-related differences in learning; gender-related differences in educational experience, interest, and performance; and pedagogical approaches and teaching styles that are gender-neutral or encouraging to female students.

Deadlines: 12/20/02 (LOI); 1/31/03 (Full Proposal) for Elementary and Middle School, Informal Education; 1/23/03 (Preliminary Proposals Required); 4/11/03 (Proposals by Invitation Only) High school, Undergraduate, Teacher and Faculty Development, and Educational Technologies

www.nsf.gov/pubs/2003/nsf03502/nsf03502.htm