

## 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)

## GENERAL

### 8-1 Research and Development of Systems and Methods for Molecular Imaging (NIH)

The National Institute of Biomedical Imaging and Bioengineering (NIBIB) and the National Human Genome Research Institute (NHGRI) invite applications for NIH Research Project Grant (R01) awards to support interdisciplinary basic research or Phased Innovation (R21/R33) awards to support novel investigations for molecular imaging and spectroscopy development that can be broadly applied to research on biological or disease processes. The primary focus of this Request for Application (RFA) is in vivo molecular imaging and/or spectroscopy including devices, methods, and contrast agents for biomedical research and human investigations. RFA-EB-02-001 (NIHG 2/15/02)

URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-EB-02-001.html>

Deadline: Letters of Intent 3/29/2002;  
Applications 4/24/2002

### 8-2 NCRR Shared Instrumentation Grant (NIH)

The National Center for Research Resources (NCRR) is inviting applications for its competitive Shared Instrumentation Grant (SIG) Program. The objective of the program is to make available to institutions expensive research instruments that can only be justified on a shared-use basis and for which meritorious research projects are described. The SIG program provides a cost-effective mechanism for groups of NIH-supported investigators to obtain commercially available, technologically sophisticated equipment costing more than \$100,000. PAR-02-036

URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-02-036.html>

Deadline: Applications 3/22/2002

### 8-3 Collaboration in Basic Science and Engineering (COBASE) (NRC)

With funding from the National Science Foundation, the National Research Council offers grants to individual American specialists who plan to establish new research partnerships with their colleagues from Central/Eastern Europe (CES) and the Newly Independent States (NIS). Project Development and Initiation Grants support American specialists who wish to host and/or visit their CEE or NIS colleagues in order

to initiative research projects and prepare collaborative research proposals for submission to NSF. This year three special focus areas have been selected for priority consideration: Extreme Events, Black Sea Transboundary Issues, and Mathematics.

URL: <http://www.nationalacademies.org/oia>

Deadline: 4/15/2002, 8/19/2002

### 8-4 Using Basic Science to Develop New Directions in Drug Abuse Prevention Research (NIH)

The National Institute on Drug Abuse (NIDA) is committed to a comprehensive program of research on drug abuse prevention. The purpose of this initiative is to: 1) support basic behavioral, cognitive, developmental, social and neurobiological research necessary to inform the development of innovative and novel prevention interventions; and 2) support translational research that would begin to apply basic science knowledge to the development and improvement of prevention interventions. RFA-DA-02-010 (NIHG 12/21/02)

URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-02-010.html>

Deadline: Letters of Intent 3/29/2002;  
Applications 4/29/2002

### 8-5 Assembling the Tree of Life (NSF)

Assembly of a framework phylogeny, or Tree of Life, for all 1.7 million described species requires a greatly magnified effort by large teams working across institution and disciplines. This is the overall goal of the Assembling the Tree of Life activity. The National Science Foundation invites research proposals from multidisciplinary teams to conduct creative and innovative research that will resolve phylogenetic relationships for large groups of organisms on the Tree of Life. Teams of investigators also will be supported for projects in data acquisition, analysis, algorithm development and dissemination in computational phylogenetics and phyloinformatics. NSF-02-074

URL: <http://www.nsf.gov/cgi-bin/getpub?nsf02074>

Deadline: Letters of Intent 3/29/2002,  
Proposals 5/17/2002

## AGRICULTURE

### 8-6 Regional Geographic Initiative Environmental Priority Projects (EPA)

The Environmental Protection Agency is soliciting proposals for the use of 2002 Environmental Priority Project and Regional Geographic Initiative Funds. The primary goal for use of these funds is to use innovation to address environ-

mental issues related to three regional priorities: Agriculture, Vulnerable Populations and Sensitive Ecosystems. Priority consideration will be given to projects that use diverse partnerships with cross-media and/or community-based approaches.

Deadline: 3/18/2002

### 8-7 Community Food Projects (CSREES)

CSREES announces the availability of grant funds and requests applications for the Community Food Projects Competitive Grants Program (CFPCGP) for fiscal year 2002. Projects funded by CFPCGP support the development of Community Food Projects with a one-time infusion of Federal dollars to make such projects self-sustaining. Community Food Projects should be designed to: 1) meet the food needs of low-income people; 2) increase the self-reliance of communities in providing for their own food needs, and 3) promote comprehensive responses to local food, farm, and nutrition issues.

URL: <http://www.reeusda.gov/1700/funding/ourfund.htm>

Deadline: 3/22/2002

### 8-8 NCR Producer Grant Program (USDA)

The North Central Region (NCR) SARE program of the USDA announces the 2002 Producer Grant Program. Producers are invited to submit proposals that test, evaluate and adapt sustainable agriculture practices for their operations; conduct learning circles, educational events, field days or demonstrations to further disseminate information to producers; develop new technologies; create or modify equipment. Applicants must identify specific problems and potential solutions to those problems. Projects which include a youth component are welcome and encouraged.

URL: <http://www.sare.org/ncrsare>

Deadline: 3/29/2002

### 8-9 Kansas Crop Improvement Research Grants (KCIA)

The Kansas Crop Improvement Association is soliciting proposals for research projects. Priority areas are: Determining the benefits of certified or professionally prepared seed versus farmer-saved or bin-run seed; Evaluation of characteristics of specific varieties for potential end-use value and marketing; Improved variety development; Physical factors affecting seed quality; Risks and benefits of certified seed in various identity preserved grain production systems; Factors influencing seed selection and purchasing decisions of farmers; and Seed production strategies for improved efficiency and returns.

Deadline: 3/25/2002

## ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

### 8-10 Subsurface Contamination in Vadose and Saturated Zones (DOE)

The Offices of Science and Environmental Management, Department of Energy, announce their interest in receiving grant applications to support specifically innovative, fundamental research to investigate DOE subsurface contamination in the vadose and saturated zones. Proposed basic research should contribute to environmental management activities that would decrease risk for the public and workers, provide opportunities for major cost reductions, reduce time required to achieve EM's mission goals, and address problems that are considered intractable without new knowledge. Notice 02-03

URL: <http://www.science.doe.gov/production/grants/Er02-03.html>

Deadline: 3/27/2002

### 8-11 NSF/ONR Partnership in Electric Power Networks Efficiency and Security (EPNES) (NSF)

The National Science Foundation (NSF) and the Office of Naval Research (ONR) announce an interdisciplinary solicitation aimed at building new partnerships focused on achieving efficient and secure electric power networks under uncertain demands. Electric power systems are prototypical socio-technical systems, meaning that their technical, social, economic, political, and cultural elements are tightly interwoven and impinge directly and forcefully upon each other. The goal of this solicitation is to build cross-disciplinary partnerships, which allow more unified, coherent research to ensure reliable, secure, and efficient electric power networks. An institution can only submit one proposal for EPNES as lead institution. Please contact Ted Knous, tknous@ksu.edu, 532-6195, by 03/8/02 if you are interested in submitting a proposal. NSF-02-041

URL: <http://www.nsf.gov/cgi-bin/getpub?nsf02041>

Deadline: Proposals 3/22/2002

## HEALTH & LIFE SCIENCES

### 8-12 COBRE Awards (KU)

KU's Center for Cancer Experimental Therapeutics, an NIH Center of Biomedical Research Excellence (COBRE) announces NIH COBRE Award grants for faculty early in their careers who have not served as principal investigators on an NIH RO1 research grant. Selected senior investigators are also eligible to apply. Research related to cancer, which falls primarily under the umbrella of the National Cancer Institute of the NIH, and the COBRE Center for Cancer Experimental Therapeutics, will be considered for the COBRE Award.

URL: <http://www2.kumc.edu/etp/cobre.htm>

Deadline: 4/15/2002

### 8-13 Competing Supplements for Organotypic Models of Cancer (NIH)

As important class of mammalian models with considerable potential for cancer research is one in which the multiple cell types from a particular tissue are studied together, as reconstituted multi-cellular systems, or as tissue explants in culture or in animals as transplant. However, such model systems are often insufficiently developed or under-utilized. The intent of this program announcement is to encourage NCI-funded investigators to explore the development and use of alternate model systems that more closely resemble normal tissue or emerging tumors than do dispersed cells cultured on plastic. PAR-02-052 (NIHG 2/1/02)

URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-02-052.html>

Deadline: Applications 3/28/2002

### 8-14 Basic and Applied Research in Stress Physiology and Biomedical Strategies to Protect Navy and Marine Corps Forces (ONR)

The Office of Naval Research (ONR 341) is soliciting preproposals and proposals in the Medical Discovery and Invention program. This program includes basic research and applied research components. The basic research component supports state-of-the-art efforts in molecular physiology, a broad category allowing work founded on multiple biomedical disciplines and tools (e.g., immunology, neurobiology, genetics, pharmacology, biochemistry, cell biology, molecular biology, genomics & proteomics). The basic research component has a main interest in the area of stress physiobiology, i.e., basic studies to elucidate the environmental, genetic, physiological and biochemical mechanisms that underlie cellular and organismic resilience to psychological and physiological stress. BAA 02-009 (FBO 2/25/02)

URL: <http://www.eps.gov/spg/USN/ONR/ONR/02-009/SynopsisP.html>

Deadline: Preproposals 3/21/2002; Proposals 6/3/2002

## SOCIAL SCIENCES

### 8-15 AARP Andrus Foundation Grants (AARP)

The current priority areas of research funding for the Foundation are Living with Chronic Health Conditions and Aging and Living Environments. With very few exceptions, all grants funded, regardless of type, must relate to one of these two priority issues. Proposals for living with Chronic Health Conditions, are invited on the following specific areas of interest: 1) Identification of risk factors for functional decline or disability in older adults with one or more chronic health conditions; 2) Studies of how physical, mental, and social factors affect the independence, coping skills, and successful aging of older adults with chronic health conditions. Proposals for Aging and Living Environments are invited on the following specific areas of interest:

1) Development and testing of instruments which measure satisfaction with alternative living environments; 2) Identification of community specific factors which impact the successful integration of alternative living environments; 3) Determining and evaluating means to enhance independent living for older persons in their own homes, including older persons living alone.

URL: <http://www.andrus.org/Grants/index.shtml>

Deadline: 3/1/2002, 7/1/2002, 11/1/2002

### 8-16 Human Genome Program-Ethical, Legal, and Social Implications (DOE)

The Office of Biological and Environmental Research of the Office of Science (SC), U.S. Department of Energy (DOE), announces its interest in receiving applications in support of the Ethical, Legal, and Social Implications (ELSI) subprogram of the Human Genome Program (HGP). Applications should focus on issues of 1) genetics and the workplace, 2) storage of genetic information and tissue samples, 3) education, or 4) complex or multigenetic traits.

URL: <http://www.science.doe.gov/production/grants/Er02-14.html>

Deadline: 3/28/2002

### 8-17 Social and Behavioral Studies (March of Dimes)

The March of Dimes invites all qualified scientists with faculty appointments or the equivalent, at universities, hospitals and research institutions, to submit applications for research grants that address social and behavioral studies. They are especially interested in research that advances our understanding of the cognitive, social and behavioral risks and processes that affect pregnancy outcomes, the perinatal period and subsequent child development.

URL: <http://www.modimes.org/>

Deadline: 3/15/2002

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

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