

# Research News & Funding

## KU's Resource for Research Information

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### UNIVERSITY NEWS

#### **KUCR Announces 2002-2003 Research Development Fund Competition**

Research development fund grants, financed by the KU Center for Research, are intended to stimulate collaborative research that leads to the awarding of major external, interdisciplinary research grants to KU faculty teams. The budget for the RDF is \$650,000, with a maximum award size of \$125,000 over two years. All tenure track faculty and faculty equivalents are eligible to apply.

Deadline for proposal submission is October 10, 2002. For application information, visit

<http://www.research.ku.edu/kucr/forms/intfund/rdf.asp>.



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#### Agency Updates

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#### **DoD National Prion Research Funding Opportunities \$42.5 Million**

The U.S. Defense Appropriations Act has provided \$42.5 million to the Department of Defense for Prion Research. The goal of this program is to increase scientific knowledge regarding prion related diseases leading to the development of rapid, sensitive, and reproducible tests for the detection of prions suitable for use as an antemortem diagnostic test as well as a screening assay. Areas of interest include a better understanding of chronic wasting disease and the prevention, transmission and pathogenesis of transmissible spongiform encephalopathies (TSE.)

Detailed descriptions of targeted research areas, award mechanisms, evaluation criteria, and submission requirements are available at <http://cdmrp.army.mil> or <http://cdmrp.org>. The submission deadline for all program awards is **October 30, 2002**.

#### **NASA Releases Draft RFP for University Affiliated Research Centers Program**

Early last week, NASA released a draft request for proposal (DRFP) for the University Affiliated Research Center procurement. Responses to the DRFP are not required, however comments and/or questions are due to Deborah Glass at [dglass@mail.arc.nasa.gov](mailto:dglass@mail.arc.nasa.gov) by September 16, 2002. To view the DRFP, visit <http://www.eps.gov/spg/NASA/ARC>.

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## Funding Opportunities

### *Education*

#### **Disability and Rehabilitation Research**

(U.S. Department of Education)

The purpose of this program is to build research capacity by providing support to highly qualified individuals (including those who are individuals with disabilities) and to conduct research about the rehabilitation of individuals with disabilities.

**Deadline: 10/15/02**

[www.ed.gov/legislation/FedRegister/announcements/2002-3/081602b.html](http://www.ed.gov/legislation/FedRegister/announcements/2002-3/081602b.html)

#### **Business and International Education Program**

(U.S. Department of Education)

This program provides grants to institutions of higher education to enhance international business education

programs and to expand the capacity of the business community to engage in international economic activities.

**Deadline: 11/4/02**

[www.ed.gov/legislation/FedRegister/announcements/2002-3/083002a.html](http://www.ed.gov/legislation/FedRegister/announcements/2002-3/083002a.html)

### *Engineering and Computer Science*

#### **Non-Lethal Systems Research**

(Department of Defense)

The Office of Naval Research has a requirement for non-lethal systems research. (BAA 02-026)

**Deadline: 10/9/02**

<http://fundingopps.cos.com/cgi-bin/getRec?id=73092>

## **CISE Next Generation Software Program**

(National Science Foundation)

This program fosters multidisciplinary software research under two components: Technology for Performance Engineered Systems, and Complex Application Design and Support System. The overall thrust of NGS is research and development for new software technologies integrated across the system's architectural layers, supporting the design and operation cycle of applications, computing and communications systems, and delivering quality of service.

**Deadline: 11/1/02**

[www.nsf.gov/cgi-bin/getpub?nsf01147](http://www.nsf.gov/cgi-bin/getpub?nsf01147)

## **Numeric, Symbolic, and Geometric Computation**

(National Science Foundation)

The Numeric, Symbolic, and Geometric Computation program supports fundamental research in areas where advanced algorithmic and computational techniques are coupled with mathematical methods of analysis. The specific program areas include computationally oriented numerical analysis, mathematical optimization, symbolic and algebraic computation, computational geometry, computational logic and automated deduction, and computer graphics. The program also supports advanced computational techniques for simulation of physical processes, the design and construction of high-quality mathematical computing software for scientific research, and experimental implementation when it is an integral part of the research. The program encourages the integration of numeric, symbolic, geometric, and graphic techniques into problem-solving environments to support computational science and engineering. Innovative applications of advanced computational and graphic techniques in scientific and engineering applications, manufacturing and design, proof support systems, and prototypic and design verification are also welcome.

**Deadline: 11/5/02**

<http://fundingopps.cos.com/cgi-bin/getRec?id=11541>

## ***Fine Arts***

### **Fellowships**

(George A. and Eliza Howard Foundation)

The intent of this foundation is to primarily support people in the middle stages of their careers whose work to date is evidence of their promise and achievement. Fellowships will be offered to support persons engaged in independent projects in the following fields: music (competition, performance), musicology, playwriting (excluding film), and theatre arts (including theory and criticism, excluding production and direction.)

**Deadline: 10/17/02**

[www.stg.brown.edu/projects/gradschool/howard/](http://www.stg.brown.edu/projects/gradschool/howard/)

## ***Humanities***

### **Media Projects (Planning, Scripting or Production)**

(National Endowment for the Humanities)

Grants are available for film and radio media projects, along with companion materials (such as DVDs, data casting, and websites) to bring quality humanities programming to the public. NEH supports programs that convey significant humanities ideas to the public; use formats and programs creatively to engage audiences; have regional or national impact, through extending their geographic reach, involving new audiences, or serving as models.

**Deadline: 11/1/02**

<http://www.neh.gov/grants/index.html>

## ***Journalism and Communication Studies***

### **Summer Workshops for Journalism Educators**

(Dow Jones Newspaper Fund)

This program offers grants to universities and colleges to fund summer workshops for high school journalism teachers and publication advisers. Workshops must be at least one week long, offer graduate credit, and focus on desktop publishing, the First Amendment, or basic skills for publication advisors. Consideration will also go to workshops addressing other topics "particularly relevant to journalism teachers and advisers in today's classroom."

**Deadline: 10/1/02**

[http://djnewspaperfund.dowjones.com/fund/hst\\_fellowship.asp](http://djnewspaperfund.dowjones.com/fund/hst_fellowship.asp)

## ***Medicine and Life Sciences***

### **BAA-DNA Analysis**

(Department of Justice)

Proposals are being requested for innovative research and development projects to streamline and automate DNA analysis.

**Deadline: 10/11/02**

<http://fundingopps.cos.com/cgi-bin/getRec?id=73345>

### **Nutrition and Infection**

(National Institute of Health)

Applications are invited for basic epidemiological and clinical research on nutrition and infection. Areas of interest include mechanistic studies of the molecular and cellular connections between nutrition, infection, immunity and inflammation.

**Deadline: 10/1/02; 2/1/03; 6/1/03**

<http://grants.nih.gov/grants/guide/pa-files/PA-01-133.html>

## **NINDS Exploratory/Developmental Grant Program**

(National Institutes of Health)

The NINDS focuses on research aimed at the improved diagnosis, treatment, and prevention of disorders of the nervous system. Applications are being invited for exploratory/developmental grants relevant to its research mission. These grants are intended to support innovative high-impact research projects.

**Deadline: 10/1/02; 2/1/03; 6/1/03**

<http://grants.nih.gov/grants/guide/notice-files/NOT-NS-00-011.html>

## **Restoration of Orofacial Tissues: Tissues Engineering**

(National Institutes of Health)

Applications are being invited for biomimetics and tissue engineering research in orofacial tissue and organ repair regeneration.

**Deadline: 10/20/02 (LOI); 11/20/02 (Application)**

<http://grants1.nih.gov/grants/guide/rfa-files/RFA-DE-03-004.html>

## **Translational Research in Diabetes**

(National Institutes of Health)

Applications are being accepted for clinical and behavioral studies to translate recent advances in the prevention and treatment of type 1 or type 2 diabetes into clinical practice for individuals and communities at risk.

**Deadline: 10/1/02; 2/1/03; 6/1/03**

<http://grants.nih.gov/grants/guide/pa-files/PA-02-153.html>

## **Frontiers in Integrative Biological Research**

(National Science Foundation)

This program seeks to support integrative research which addresses major questions in the biological sciences. Investigators are encouraged to identify major under-studied or unanswered questions in biology and to develop innovative approaches to address them by integrating the scientific concepts and research tools of biology, math and the physical sciences, engineering, social sciences and the information sciences. Applicants are also encouraged to focus on the biological significance of the question, to describe the integrative approaches, and to develop a research plan, which is not limited by conceptual, disciplinary, or organizational boundaries.

**Deadline: 11/1/02 LOI for Full Research Proposal Submissions (Required); 2/28/03 for Full Research Proposals; 11/12/02 Planning Grant Proposals**

[www.nsf.gov/pubs/2002/nsf02154/nsf02154.htm](http://www.nsf.gov/pubs/2002/nsf02154/nsf02154.htm)

## ***Physical Sciences and Mathematics***

### **Research and Development for the Rare Isotope Accelerator**

(Department of Energy)

The Nuclear Physics Division has announced its interest in receiving applications for Research and Development projects directed at the proposed Rare Isotope Accelerator (RIA). RIA is proposed as a new accelerator facility to address emerging research opportunities in low energy nuclear physics, and DOE is sponsoring pre-conceptual R&D activities on the facility.

**Deadline: 10/2/02**

<http://fundingopps.cos.com/cgi-bin/getRec?id=73134>

### **Clean Air Excellence Awards Program**

(Environmental Protection Agency)

The intent of this program is to recognize and honor outstanding, innovative efforts that help to make progress in achieving cleaner air. The six award categories are: 1. Clean Air Technology; 2. Community Development or Redevelopment; 3. Education or Outreach; 4. Regulatory or Policy Innovations; 5. Transportation Efficiency Innovations; and 6. Outstanding Individual Achievement Award.

**Deadline: 9/19/02**

<http://fundingopps.cos.com/cgi-bin/getRec?id=63986>

### **Planetary Astronomy**

(National Science Foundation)

This program funds theoretical and observational studies of the detailed structure and composition of planetary surfaces, interiors, atmospheres, and satellites; the nature of small bodies (asteroids and comets); and the origin and development of the solar system.

**Deadline: 11/15/02**

[www.nsf.gov/mps/divisions/ast/about/c\\_programs.htm](http://www.nsf.gov/mps/divisions/ast/about/c_programs.htm)

## ***Social Science***

### **Dissemination and Implementation Research in Mental Health**

(National Institutes of Health)

Applications are invited for research that will build knowledge on methods, structures, and processes to disseminate and implement mental health information and treatments into practice settings.

**Deadline: Expires 7/1/05**

<http://grants.nih.gov/grants/guide/pa-files/pa-02-131.html>

## ***Multiple Disciplines***

### **Aging-Related Changes in Impairment for Persons Living with Physical Disabilities**

(U.S. Department of Education)

The U.S. Department of Education is now accepting applications for projects focusing on aging-related impairment changes for persons living with physical disabilities.

**Deadline: 9/30/02**

[www.ed.gov/legislation/FedRegister/announcements/](http://www.ed.gov/legislation/FedRegister/announcements/)

### **Awards for Study in Scandinavia**

(The American-Scandinavian Foundation)

This foundation offers fellowships and grants to individuals to pursue research or study in one or more Scandinavian countries for up to one year. Awards are made in all fields.

**Deadline: 11/1/02**

[www.amscan.org](http://www.amscan.org)

### **Information Technology Research**

(National Science Foundation)

This program announcement broadly invites innovative fundamental research proposals that address the challenges that face IT or seek advances at the frontiers of science and engineering through the creative and innovative use and further development of IT. The ITR program is interested in fostering visionary work that could lead in the future to major advances, new and unanticipated technologies, revolutionary applications, or new ways to perform important activities. The program is especially interested in multidisciplinary programs.

**Deadline: 11/18/02 (LOI Required for Large Projects only); 12/12/02 (Small Projects); 2/12/03 (Medium projects); 3/24/02 (Large Projects by Invitation Only)**

[www.nsf.gov/pubs/2002/nsf02168/nsf02168.htm](http://www.nsf.gov/pubs/2002/nsf02168/nsf02168.htm)

### **Rapid Assessment Post-Impact of Disaster**

(National Institute of Mental Health)

The NIMH issued a new program announcement for its Rapid Assessment Post-Impact of Disaster (RAPID) grants activity, which offers a mechanism for quick-turnaround funding to enable investigators to begin urgent research on the mental health consequences of natural and man-made disasters.

**Deadline: Applications should be submitted within approximately six weeks of the identified disaster event for expedited peer review and funding.**

<http://grants.nih.gov/grants/guide/pa-files/PA-02-133.html>

### **Humanities-Based Projects for After School Programs**

(National Endowment for the Humanities)

Proposals are being invited for after-school programs in the humanities for young people between the ages of 5 and 18. The challenge is to bring exciting humanities subjects and activities into pre-existing after-school programs. The Endowment seeks proposals for the development, multi-site testing, and evaluation of content-rich materials and activities for use in a variety of after-school settings. The materials and activities must be focused on such subjects as history (American, world, local, family), literature, folklore, anthropology, archaeology, the understanding of art, music, theatre, or film, or the study of language and culture.

**Deadline: 11/1/02**

<http://www.neh.gov/grants/guidelines/afterschool.html>

### **U.S. - Egypt Grants Program**

(Department of State)

The U.S. - Egypt Board on Scientific and Technology Cooperation supports collaborative research grants aimed at strengthening relations between the science communities in both countries around the following priority areas: biotechnology; standards and metrology; environmental technologies; manufacturing; information technologies; energy and other fields such as geology, anthropology, new materials, nanotechnology, economics and the social sciences. (August 6 Federal Register) **Deadline: Applications must be postmarked by November 1, but applicants should verify the deadline with the program office.**

[www.usembassy.egnet.net/usegypt/joint-st.htm](http://www.usembassy.egnet.net/usegypt/joint-st.htm)

### **Information About Careers**

(Alfred P. Sloan Foundation)

The goal of this program is to make available realistic information about the nature of work in science and engineering courses. The foundation makes grants to non-profit organizations, representing various disciplines in the physical sciences and engineering for the preparation of videotapes, CD-ROMs, and World Wide Web pages on career information in their fields.

**Deadline: (Open)**

[www.sloan.org/programs/edu\\_careers.shtml](http://www.sloan.org/programs/edu_careers.shtml)

*Research News and Funding is a bulletin that provides information regarding funding opportunities 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.asp>. Please contact Angie Loving at 864-7472 or [aloving@ku.edu](mailto:aloving@ku.edu) for subscription request.*