

# 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)

## GENERAL

### 1-1 NCRR Science Education Partnership Award (SEPA) (NIH)

The Science Education Partnership Award (SEPA) Program provides funds for the development, implementation and evaluation of innovative K-12 science education programs, teaching materials and science center/museum programs. SEPA supports partnerships between biomedical, clinical researchers and behavioral scientists with K-12 teachers and schools, museum and science center educators, media experts, and other interested organizations. SEPA's mission is to foster the development of new programs to improve K-12 and the general public's understanding of health science advances created by National Institutes of Health funded clinical and basic research. RFA-RR-04-004 (NIHG 12/19/03)

**URL:** <http://grants1.nih.gov/grants/guide/rfa-files/RFA-RR-04-004.html>

**Deadline: Letters of Intent 1/12/2004; Applications 2/12/2004**

### 1-2 Emerging Models and Technologies for Computation (EMT) (NSF)

This cluster seeks to advance the fundamental capabilities of computer and information sciences and engineering by incorporating insights from areas such as biological systems, quantum phenomena, nanoscale science and engineering, and other novel computing concepts. To bring fundamental changes to software, hardware and architectural design aspects of future computational models, collaborations among computer scientists, engineers, mathematicians, biologists and other disciplinary scientists are imperative. NSF 04-530

**URL:** <http://www.nsf.gov/pubs/ods/getpub.cfm?nsf04530>

**Deadline: 3/15/2004**

### 1-3 Application of Emerging Technologies for Cancer Research (NIH)

The National Cancer Institute (NCI) invites applications for research projects to evaluate the usefulness of emerging technologies that are ready for initial application to clinical or biological questions in cancer research. Projects should be

designed to demonstrate that the technology is robust and yields reproducible measurements. Projects should also be designed to gather preliminary data to support the use of the technology in a future project(s) with a clinical or biological focus. RFA-CA-05-003 (NIHG 12/19/03)

**URL:** <http://grants1.nih.gov/grants/guide/rfa-files/RFA-CA-05-003.html>

**Deadline: Letters of Intent 1/16/2004, 5/17/2004; Applications 2/17/2004, 6/17/2004**

### 1-4 Robert Noyce Scholarship Program (NSF)

The Robert Noyce Scholarship program seeks to encourage talented science, technology, engineering, and mathematics majors and professionals to become K-12 mathematics and science teachers. The program provides funds to institutions of higher education to support scholarships, stipends, and programs for students who commit to teaching in high need K-12 schools. NSF 04-527

**URL:** <http://www.nsf.gov/pubs/2004/nsf04527/nsf04527.htm>

**Deadline: Letters of Intent 3/5/2004; Proposals 4/2/2004**

### 1-5 Innovative Technologies for Molecular Analysis of Cancer (NIH)

The National Cancer Institute (NCI) invites applications for research projects proposing the development of highly innovative cancer relevant technologies. Technology encompasses methods and tools that enable research, including, but not limited to, instrumentation, techniques, and devices. Technologies solicited include, but are not necessarily limited to, those that are suitable for the detection of alterations and instabilities of genomic DNA; measurement of the expression of genes and gene products, including proteins; analysis and detection of gene and/or cellular products, including post-translational modification and function of proteins; identification and characterization of exogenous infectious agents in cancer; and assaying the function of major signal transduction networks involved in cancer. RFA-CA-05-002 (NIHG 12/19/03)

**URL:** <http://grants1.nih.gov/grants/guide/rfa-files/RFA-CA-05-002.html>

**Deadline: Letters of Intent 1/16/2004, 5/17/2004; Applications 2/17/2004, 6/17/2004**

### 1-6 Short Programs for Interdisciplinary Research Training (NIH)

The purpose of this RFA is to promote training in multiple disciplines so that creative problem solving and fusion of disciplines into novel "interdisciplines"

is more likely to occur. One example of an interdiscipline is bioengineering, in which individuals need to understand principles and methodologies of biology and engineering in order to pursue their research. Recognizing that interdisciplinary approaches are more likely to evolve if scientists are formally trained in multiple disciplines and that short, intensive training programs can be very effective at providing students with the fundamental aspects of a given discipline, this RFA seeks to promote the development of new short interdisciplinary training programs for scientists at all levels of their careers. RFA-DK-04-003 (NIHG 11/7/03)

**URL:** <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-04-008.html>

**Deadline: Letters of Intent 1/14/2004; Applications 2/11/2004**

### 1-7 Curriculum Development Award in Interdisciplinary Research (NIH)

The Curriculum Development Award in Interdisciplinary Research supports the development of innovative courses, curricula and educational approaches designed to train interdisciplinary scientists in emerging areas of biomedical, behavioral and quantitative sciences.

These programs are focused on preparing undergraduate, predoctoral, or postdoctoral candidates, or combinations of these, to conduct research in team settings that are highly interdisciplinary and collaborative. RFA-GM-04-003 (NIHG 10/31/03)

**URL:** <http://grants1.nih.gov/grants/guide/rfa-files/RFA-RM-04-007.html>

**Deadline: Letters of Intent 1/27/2004; Applications 2/24/2004**

### 1-8 Exploratory Centers (P20) for Interdisciplinary Research (NIH)

In recognition of the difficulty of establishing interdisciplinary research efforts, this Request for Applications solicits applications for P20 planning grants that will support planning activities for groups of researchers to develop interdisciplinary research strategies to solve significant biomedical and/or behavioral research problems. Activities supported will include study design and, perhaps, pilot research to demonstrate the approach to be pursued. RFA-RR-04-002 (NIHG 10/3/03)

**URL:** <http://grants1.nih.gov/grants/guide/rfa-files/RFA-RM-04-004.html>

**Deadline: Letters of Intent 1/30/2004; Applications 2/24/2004**

## BUSINESS

### 1-9 Employment Research (Upjohn)

The Upjohn Institute invites submission of proposals to conduct policy-relevant research on employment issues. The Institute offers two funding opportunities:

Research Grants that lead to book-length manuscripts; and a Mini-Grant program that provides funds for innovative research papers that have special funding needs.

**URL:** <http://www.upjohminstitute.org>

**Deadline: Summaries or Mini-grants 2/2/2004, 4/12/2004**

## EDUCATION

### 1-10 Child Labor Education Initiative (DOL)

The U.S. Department of Labor (USDOL), Bureau of International Labor Affairs (ILAB), intends to award approximately U.S. \$29 million to organizations to develop and implement formal, non-formal, and vocational education programs as a means to combat exploitative child labor in the following countries and regions: Central America (Costa Rica, El Salvador, Guatemala, Honduras, and Nicaragua), Ecuador, Indonesia, Southern Africa (Botswana, Lesotho, Namibia, South Africa, and Swaziland), and Turkey. The programs should focus on innovative ways to address the many gaps and challenges to basic education found in the countries mentioned above. (FR 12/18/03)

**URL:** <http://www.dol.gov/sec/regis/fedreg/notices/2002012956.pdf>

**Deadline: N/A**

## ENGINEERING, MATHEMATICS & PHYSICAL SCIENCES

### 1-11 Semiconductor Factory and Supply Chain Operations (NSF)

The purpose of this solicitation is to jointly support research activities directed at the development of innovative new operational methods that will enable factory performance to keep pace with ongoing technical advances in equipment and processes, increases in wafer sizes, and the increasing complexity of semiconductor supply chain. Only one proposal may be submitted by a Principal Investigator, and he/she may only collaborate on one other proposal as a co-Principal investigator. NSF 04-532

**URL:** <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf04532>

**Deadline: 3/19/2004**

### 1-12 Cyber Trust (NSF)

Networked computers reside at the heart of systems on which people now rely, both in critical national infrastructures and in their homes, cars, and offices. Today, many of these systems are far too vulnerable to cyber attacks that can inhibit their function, corrupt important data, or expose private information. Cyber Trust promotes a vision of a society in which these systems are: more predictable, more accountable, and less vulnerable to attack and abuse; developed, configured, operated and evaluated by a well-trained and diverse workforce; and used by a public educated in their secure and ethical operation. Proposals

will support single and multiple-investigator projects within the broad range of disciplines contributing to the Cyber Trust vision. An individual may appear as PI, co-PI, or Senior Personnel on no more than two proposals. NSF 04-524

**URL:** <http://www.nsf.gov/pubs/2004/nsf04524/nsf04524.txt>

**Deadline: Letters of Intent for Center-scale 1/23/2004; Proposals 3/3/2004, 3/31/2004**

### 1-13 Science and Engineering Information Integration and Informatics (SEIII) (NSF)

The Science and Engineering Information Integration and Informatics (SEIII) program focuses on advancing the state of the art in the application of advanced information technology to science and engineering problems in specific domains, such as astronomy, biology, the geosciences, public health and health care delivery. Although methods for the analysis of scientific data and information will be supported by the program, a special emphasis will be placed on domain-specific and general-purpose tools for integrating information from disparate sources. Such integration is a key step of many projects yet is rarely addressed in full generality. The SEIII program will have two separate components to address these research areas: Science and Engineering Informatics (SEI) and Information Integration (II). NSF 04-528

**URL:** <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf04528>

**Deadline: 3/4/2004, 12/15/2004**

### 1-14 Chemistry Research Instrumentation and Facilities: instrument Development (CRIF:ID) (NSF)

The Chemistry Research Instrumentation and Facilities Program (CRIF) is structured to enable the National Science Foundation's Division of Chemistry to respond to a variety of needs for infrastructure—instrumentation and facilities—that promotes basic research and education in areas traditionally supported by the Division. An investigator may participate (as a PI, co-PI or senior personnel) in only one CRIF:ID proposal submitted to this competition each year. NSF 04-534

**URL:** <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf04534>

**Deadline: 3/18/2004**

## HEALTH & LIFE SCIENCES

### 1-15 Assembling the Tree of Life (ATOL) (NSF)

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 04-526

**URL:** <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf04526>

**Deadline: 3/5/2004**

### 1-16 DoD Ovarian Cancer Research Program (DOD)

The Department of Defense Ovarian Cancer Research Program has released two FY04 Program Announcements describing two new funding opportunities: 1) Idea Development Awards, and 2) New Investigator Research Awards. Programs should focus on etiology/tumor biology, or preclinical development of targeted therapeutics or molecular imaging/vital imaging. OC04-IDA, OC04-NIRA

**URL:** <http://cdmrp.army.mil/funding/04ocrp.htm>

**Deadline: 2/3/2004**

## SOCIAL SCIENCES

### 1-17 Human and Social Dynamics (NSF)

The Human and Social Dynamics (HSD) priority area aims to foster breakthroughs in knowledge about human action and development as well as organizational, cultural, and societal adaptation and change. Such a transformation in basic understanding would parallel the explosion of knowledge about the physical and biological worlds that characterized the twentieth century. This program requires a comprehensive, multidisciplinary approach across the sciences, engineering, and education, including the development of infrastructure that can support such efforts. NSF 04-537

**URL:** <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf04537>

**Deadline: Letters of Intent 3/3/2004; Proposals 3/30/2004**

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Ted Knous, Associate Vice Provost for Research

Caron Boyce, Secretary

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