

# Funding Opportunities Bulletin

## May 2004

Compiled by KUCR Proposal Services as a Resource  
for Kansas University Researchers

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### **EDUCATION**

#### **Evaluative Research and Evaluation Capacity Building (EREC) and Research on Learning and Education (ROLE) (EREC/ROLE)**

National Science Foundation

Deadlines: EREC: **May 15, 2004**; ROLE: **June 1, 2004**, December 10, 2004

The EREC Program seeks proposals that offer unique approaches to evaluation practice in the generation of knowledge for the science, technology, engineering, and mathematics (STEM) education community and for broad policymaking within the research and education enterprise. The ROLE program seeks to capitalize on important developments across a wide range of fields related to human learning and to STEM education. It supports research across a continuum that includes 1) the biological basis of human learning; 2) behavioral, cognitive, affective and social aspects of human learning; 3) STEM learning in formal and informal educational settings; and 4) changing educational systems to improve STEM learning.

For more information: <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf03542>.

#### **Alliances For Graduate Education And The Professoriate (AGEP)**

National Science Foundation

Deadlines: Letter of Intent: **May 17, 2004**; Full Proposal: July 26, 2004

The Alliances for Graduate Education and the Professoriate (AGEP) program is intended to increase significantly the number of domestic students receiving doctoral degrees in the sciences, technology, engineering, and mathematics (STEM), with special emphasis on those population groups underrepresented in these fields (i.e., African Americans, Hispanics, American Indians, Alaska Natives, Native Hawaiians or other Pacific Islanders). In addition, AGEP is particularly interested in increasing the number of minorities who will enter the professoriate in these disciplines. Specific objectives of the AGEP program are (1) to develop and implement innovative models for recruiting, mentoring, and retaining minority students in STEM doctoral

programs, and (2) to develop effective strategies for identifying and supporting underrepresented minorities who want to pursue academic careers. An alliance may hold only one active award at a time. The alliance must consist of two or more doctoral degree granting institutions serving STEM graduate education needs. Because AGEP is centered on sustainable institutional changes in graduate education, the Provost or Graduate Dean of the lead Institution should serve as the Principal Investigator.

For more information: <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf04575>.

### **Teacher Professional Continuum (TPC) Program**

National Science Foundation

Deadlines: Preliminary Proposals: **May 25, 2004** (Required for Research Studies and Resources for Professional Development; not required for Conferences and Symposia)

Full Proposals: September 10, 2004 (For Research Studies and Resources for Professional Development. Proposals for Conferences and Symposia may be submitted at any time, but are expected to be submitted at least one year in advance of the planned event.

The Teacher Professional Continuum (TPC) program addresses critical issues and needs regarding the recruitment, preparation, induction, retention, and life-long development of K-12 science, technology, engineering, and mathematics (STEM) teachers. Its goals are to improve the quality and coherence of teacher learning experiences across the continuum through research that informs teaching practice and the development of innovative resources for the professional development of K-12 STEM teachers. The program supports Research Studies, Resources for Professional Development, and Conferences and Symposia.

For more information: <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf04568>.

### **Community Technology Centers (CTC) Program**

U.S. Department of Education

Deadline: **June 1, 2004**

The purpose of the CTC program is to assist eligible applicants to create or expand community technology centers that provide disadvantaged residents of economically distressed urban and rural communities with access to information technology and related training. Eligible applicants must have the capacity to significantly expand access to computers and related services for disadvantaged residents of economically distressed urban and rural communities.

For more information:

<http://www.ed.gov/legislation/FedRegister/announcements/2004-2/041604d.html>.

## **Course, Curriculum, and Laboratory Improvement (CCLI)**

National Science Foundation

Deadlines: **June 16, 2004**, ND Track  
June 17, 2004, EMD Track  
December 02, 2004, A&I Track  
December 08, 2004, ASA Track

The Course, Curriculum, and Laboratory Improvement (CCLI) program seeks to improve the quality of science, technology, engineering, and mathematics education for all students, based on educational research and empirical data concerning needs and opportunities in undergraduate education and effective ways to address them. The CCLI program has four tracks that emphasize, respectively, the development of new educational materials and practices for a national audience; the local adaptation and implementation of previously developed exemplary materials and practices, including laboratory experiences and support for instrumentation; the national dissemination of exemplary materials and/or practices through faculty professional development; and the assessment of student achievement, including research on assessment and the development of assessment tools and practices. Projects may address the needs of a single discipline or cut across disciplinary boundaries. Deadlines vary by track.

For more information: <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf04565>.

## **Training Program for Federal TRIO Programs**

U.S. Department of Education

Deadline: **June 28, 2004**

The purpose of this program is to improve the operation of projects funded under the Federal TRIO Programs. The Training Program provides grants to train staff and leadership personnel employed in, participating in, or preparing for employment in projects funded under the TRIO Programs. Applications will be available beginning May 6, 2004.

For more information:

<http://www.ed.gov/legislation/FedRegister/announcements/2004-2/040804a.html>.

## **ENGINEERING & COMPUTER SCIENCE**

See listings under EDUCATION and MULTIPLE DISCIPLINES

### **Software and Tools for High-End Computing (ST-HEC)**

National Science Foundation

Deadlines: Letter of Intent (strongly encouraged): **May 14, 2004**; Full Proposal: July 7, 2004

The ST-HEC program will support innovative research activities aimed at building complex software and tools (on top of the operating system) for high-end architectures. The topics of interests are: Pre-processors and compilers; Software tools for dynamic and adaptive computation; Software tools for job scheduling and resource management; Software tools for

debugging and monitoring; Programming and software tools for effective locality-aware computing; Software tools for adaptive and global memory management.

For more information: <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf04569>.

## **FINE ARTS**

See listings under MULTIPLE DISCIPLINES

### **Graham Foundation Grants**

Graham Foundation for Advanced Studies in the Fine Arts

Deadlines: January 15 and **July 15**, annually

Graham Foundation Grants are offered to individuals and institutions in support of activities that focus on architecture and the built environment and that lead to the public dissemination of ideas through publication, exhibition, or educational programming. The Foundation supports a variety of endeavors, including research by scholars; grants to architectural schools for special projects, enrichment programs, or new curricula; grants to museums, schools, and libraries for exhibitions, catalogues, and, in rare cases, for acquisitions; and support for publications, usually to help make an important publication better or more affordable. The average Graham Foundation grant is less than \$10,000, but grants to individuals normally do not exceed \$25,000. Grants to institutions may occasionally reach \$50,000.

For more information: <http://www.grahamfoundation.org/>.

## **HUMANITIES**

See listings under FINE ARTS, INTERNATIONAL AREA STUDIES, and MULTIPLE DISCIPLINES

### **Fellowships**

Woodrow Wilson International Center for Scholars

Deadline: **October 1, 2004**

The Woodrow Wilson International Center for Scholars is currently accepting applications for its 2005-2006 Fellowship competition. The Center offers residential fellowships for the entire U.S. academic year (September through May), or for a minimum of four months during the academic year, to individuals in the social sciences and humanities who submit outstanding project proposals on a broad range of national and/or international issues. Proposed topics should intersect with questions of public policy or provide the historical and/or cultural framework to illumine policy issues of contemporary importance. Fellows are provided with a stipend (includes a round-trip transportation allowance), part-time research assistance, and, through the assistance of professional librarians, access to the Library of Congress. Fellows work from private offices at the Woodrow Wilson International Center for Scholars in Washington, DC.

For more information: <http://www.wilsoncenter.org/fellowships>.

## **INTERNATIONAL AREA STUDIES**

See listings under SOCIAL SCIENCES and MULTIPLE DISCIPLINES

### **Institute for International Public Policy**

U.S. Department of Education

Deadline: **May 14, 2004**

The Education Department invites applications to establish an Institute for International Public Policy that will conduct a program to significantly increase the number of African Americans and other underrepresented minorities in the international service, including private international voluntary organizations and the foreign service of the United States.

For more information: <http://www.ed.gov/fund/grant/apply/grantapps/2004/84269a.html>.

### **Technological Innovation and Cooperation for Foreign Information Access (TICFIA)**

U.S. Department of Education

Deadline: TBA, It is anticipated that the next deadline will be in Fall 2004

The purpose of TICFIA is to support projects that will develop innovative techniques or programs using new electronic technologies to collect information from foreign sources. Grants will be made to access, collect, organize, preserve, and widely disseminate information on world regions and countries other than the United States that address our Nation's teaching and research needs in international education and foreign languages.

For more information: <http://www.ed.gov/about/offices/list/ope/iegps/index.html>.

## **MEDICINE & LIFE SCIENCES**

### **Small Grants Program**

Human Growth Foundation

Deadline: Letter of Intent: **May 15, 2004**; Full Application (invited applicants: Sept. 1, 2004)

The Human Growth Foundation announces a Small Grants Program for investigation of human growth and its disorders. Special consideration will be given to new investigators and ideas new to the field. Postdoctoral research dealing with all aspects of normal and abnormal growth in the areas of biological, psychological, educational and dietary will be considered. Up to three grants in the amount of \$7,500 to \$10,000 each will be awarded in 2004. An NIH-type biographical sketch and two-page letter of intent should be sent via e-mail to [hgfl@hgfound.org](mailto:hgfl@hgfound.org).

For more information: <http://www.hgfound.org>; [hgfl@hgfound.org](mailto:hgfl@hgfound.org) or call 1-800-451-6434.

## **Collaborative Science & Technology Network for Sustainability**

U.S. Environmental Protection Agency

Deadline: **May 21, 2004**

Through the Collaborative Science and Technology Network for Sustainability (the Network), EPA's Office of Research and Development (ORD) will be funding innovative regional projects that address a stated problem or opportunity relating to sustainability. Proposals should clearly:

- 1) identify a problem or opportunity relating to sustainability and explain its long-term importance or significance for an identified EPA region;
- 2) articulate the use of science and engineering, including data or information to be collected and synthesized;
- 3) define short- and long-term success in terms of environmental, economic, and social measures and explain how progress will be tracked;
- 4) identify partners and collaborators for the project;
- 5) articulate a plan for transferring tools, approaches, and lessons to other states, localities, regions or industries.

Potential Funding per Assistance Agreement: \$50,000 to \$100,000/year with a duration of 1 to 3 years and no more than a total of \$300,000, including direct and indirect costs. Proposals with budgets exceeding the total award limits will not be considered.

For more information: [http://es.epa.gov/ncer/rfa/2004/2004\\_collab\\_science.html](http://es.epa.gov/ncer/rfa/2004/2004_collab_science.html).

## **National Training and Technical Assistance Center for Child and Adolescent Mental Health Cooperative Agreement**

Substance Abuse and Mental Health Services Administration

U.S. Department of Health and Human Services

Deadline: **May 21, 2004**

The National Training and Technical Assistance Center for Child and Adolescent Mental Health (NTTAC) Cooperative Agreement is one of SAMHSA's Infrastructure Grants. SAMHSA's Infrastructure Grants provide funds to increase the capacity of mental health and/or substance abuse service systems to support programs and services. Activities carried out under this announcement must be focused on strengthening the capacity of States and communities to transform their mental health system to meet the complex needs of children and youth with, or at risk for, serious emotional disturbances and/or co-occurring substance abuse and mental health disorders and their families, within home- and community-based settings. The NTTAC will serve as a national resource and training center to promote the planning and development of child and family-centered, culturally competent, and coordinated systems of care for children and adolescents with, or at risk for, a serious emotional disturbance and their families.

For more information: <http://www.samhsa.gov/grants/index.html>. Click on Funding Opportunities, and then scroll down to announcement number "SM-04-002".

## **Development and Characterization of Biological Systems for Studying Low Dose Effects of Endocrine Disrupting Chemicals**

U.S. Environmental Protection Agency

Deadline: **June 1, 2004**

The U.S. Environmental Protection Agency, Office of Research and Development is seeking applications proposing to develop and characterize biological systems for studying the nature of the dose-response to endocrine disrupting chemicals. The purpose of the solicitation is to develop a body of information that will allow more informed judgments to be made in designing appropriate toxicology studies for identifying substances with endocrine activity and for interpreting their findings. Research should focus on the estrogen, androgen, or thyroid hormone systems, as these systems are the focus of the Agency's Endocrine Disruptors Screening Program. The proposals should focus on innovative toxicology studies conducted across a wide range of multiple dose levels to characterize dose-response relationships following in utero or early postnatal exposures to endocrine disruptors.

For more information: [http://es.epa.gov/ncer/rfa/2004/2004\\_low\\_dose.html](http://es.epa.gov/ncer/rfa/2004/2004_low_dose.html).

## **Long-Term Weight Maintenance: Basic and Clinical Studies**

National Institutes of Health

Deadline: **June 1, 2004**, October 1, 2004, February 1, 2005

The goal of this program announcement is to invite research applications investigating basic and clinical aspects of long-term weight maintenance. Applications investigating mechanisms underlying weight stability and/or weight regain after intentional weight loss, as well as clinical studies investigating the role of behavioral, nutritional, exercise, or other interventions in enhancing long-term weight maintenance will be supported. Collaborations between basic and clinical researchers are particularly encouraged under this solicitation.

For more information: <http://grants.nih.gov/grants/guide/pa-files/PA-04-092.html>.

## **Novel Approaches to Study Polymicrobial Diseases**

National Institutes of Health

Deadlines: **June 1, 2004**, October 1, 2004, February 1, 2005

The NIH invites research grant applications to conduct studies designed to develop innovative approaches that would contribute to our understanding of the mechanisms that impact on the virulence of infections involving two or more microorganisms or strains of microorganisms (with the exception of HIV). This announcement encourages investigators to think beyond the one organism-one disease concept and instead to consider the fact that many diseases are caused by the synergistic and inhibitory interactions of bacteria, viruses, parasites, and fungi. Because of the complexity of such projects, the establishment of collaborative scientific teams, both domestic and international, with diverse scientific disciplines studying polymicrobial diseases, including microbiology, immunology, biochemistry, clinical medicine, pathology,

bioengineering, material science, imaging technology, and mathematical modeling are encouraged.

For more information: <http://grants.nih.gov/grants/guide/pa-files/PA-04-093.html>.

### **Psychopharmacology of Widely Available Psychoactive Natural Products**

National Institutes of Health

Deadlines: **June 1, 2004**, October 1, 2004, February 1, 2005y

Under this PA, NIDA, ODS, and the National Institute of Mental Health (NIMH), invite research grant applications that characterize the chemistry, psychopharmacology, and/or toxicology of acute and chronic exposure to psychoactive natural products, as well as the transition in the use of these products to licit or illicit drugs of abuse. For the purposes of this PA, psychoactive natural products are defined as fungus- or plant-derived products that are taken primarily for their effects on the central nervous system (e.g., stimulant, depressant, and/or hallucinogenic effects), rather than for treatment, medicinal or therapeutic effects. This PA will use the National Institutes of Health (NIH) R03 (small research grant) mechanism, and R01 (research project grant) mechanisms.

For more information: <http://grants1.nih.gov/grants/guide/pa-files/PA-04-084.html>.

### **Research on Autism and Autism Spectrum Disorders**

National Institutes of Health

Deadlines: **June 1**, October 1, and February 1, annually

The purpose of this program announcement is to encourage grant applications for the support of research designed to elucidate the diagnosis, epidemiology, etiology, genetics, treatment, and optimal means of service delivery in relation to Autistic Disorder ("autism") and autism spectrum disorders (Rett's Disorder, Childhood Disintegrative Disorder, Asperger's Disorder, Pervasive Developmental Disorder-Not Otherwise Specified, or "Atypical Autism"). Areas of interest include, but need not be limited to, the following: Epidemiology; Screening, Early Identification, and Diagnosis; Genetic Studies; Brain Mechanisms; Cognitive Science; Communication Skills; Pharmacological/Biological Interventions; Pharmacogenomic Studies; Psychosocial Interventions; Services Research. This PA will use the NIH research project grant (R01), small grant (R03), and exploratory/developmental grant (R21) award mechanisms.

For more information: <http://grants1.nih.gov/grants/guide/pa-files/PA-04-085.html>.

## **Understanding and Preventing Brain Tumor Dispersal**

National Institutes of Health

Deadlines: **June 1, 2004**; October 1, 2004; February 1, 2005

Many brain tumors are highly invasive and therefore extremely difficult to treat. Cells from the primary tumor often infiltrate into surrounding brain tissues, so that removal of the main tumor mass is not sufficient to prevent recurrence. The goal of this Program Announcement with set-aside funds (PAS) is to promote studies that: (1) identify the properties of brain tumor cells that cause them to migrate; (2) determine how interaction of tumor cells with normal brain elements affects migration; and (3) translate understanding of these parameters into interventions that target invading tumor cells. Interdisciplinary studies that apply new concepts and methodologies from developmental neuroscience, genomics, precursor cell biology and other related fields are particularly encouraged. The total project period for an application submitted in response to this PAS may not exceed 5 years.

For more information: <http://grants.nih.gov/grants/guide/pa-files/PAS-04-079.html>.

## **Transition to Independent Positions**

National Institutes of Health

Deadlines: Letter of Intent: **June 13, 2004**; Full Proposal: July 13, 2004

The TIP Program is a Research Scholar Development Award (K22) program targeted to talented postdoctoral scientists. The objective of the program is to provide a commitment of support for the most promising new investigators early in their career while they establish their independent research program in a research-intensive environment relevant to environmental health sciences. The NIEHS has identified priority areas of research that can significantly contribute to our understanding of the impact of environmental exposure on human health. Research proposals that address one of these areas will receive a priority for funding. The current areas of special emphasis are: Obesity and the Environment; The Translation of Basic Biology to Clinical Studies and Environmental Medicine: The Connection of Environmental Exposures and Clinical Outcome; Epigenetics: Role in Environmentally induced Diseases/Dysfunction; Single Nucleotide Polymorphisms and Disease Susceptibility; Environmental Health and the Biology of Aging; Comparative Toxicogenetics; Systems Biology Approaches to the Study of the Mechanism of Mixture Toxicology.

For more information: <http://grants.nih.gov/grants/guide/rfa-files/RFA-ES-04-002.html>.

## **Gene-Environment Effects and Epigenesis in Depression**

National Institutes of Health

Deadlines: Letter of Intent: **June 16, 2004**; Full Proposal: July 16, 2004

The NIH solicits applications to identify epigenetic mechanisms and characterize gene-environment interactions that produce vulnerability to depression. Novel approaches to gene discovery, the identification of epigenetic mechanisms, elucidation of environmental risk factors,

characterization of the genetic aspects of response to environmental change, and the use of biomarkers and other intermediate phenotypes correlated with the clinical disorder are encouraged. Data and biomaterials collected in projects supported under this RFA will be included in the NIMH Human Genetics Initiative and broadly distributed to the scientific community. NIH intends to commit \$1,750,000 in FY 2005 to fund up to 4 new and/or competitive continuation grants in response to this RFA. An applicant may request a project period of up to 5 years.

For more information: <http://grants.nih.gov/grants/guide/rfa-files/RFA-MH-05-006.html>.

### **Proteomic and Metabolomic Approaches to Diagnose Diabetes and Pre-Diabetes**

National Institute of Diabetes and Digestive and Kidney Diseases

National Institutes of Health

Deadlines: Letter of Intent: **June 18, 2004**; Full Proposals: July 20, 2004

This initiative solicits the application of proteomic and metabolomic technologies for the development of novel methodologies and/or identification of new biomarkers for the diagnosis of pre-diabetes and of type 2 diabetes that do not require fasting or glucose administration. To facilitate this effort, plasma from well-characterized individuals of diverse racial and ethnic backgrounds with normal glucose tolerance (NGT), impaired glucose tolerance (IGT) and type 2 diabetes will be made available to investigators for validation of potential new diagnostic tests.

For more information: <http://grants.nih.gov/grants/guide/pa-files/PA-04-076.html>.

### **Partnerships Between Basic and Clinical Researchers in Obesity**

National Institutes of Health

Deadlines: Letter of Intent: **June 21, 2004**; Full Proposals: July 21, 2004

The National Institutes of Diabetes and Digestive and Kidney Diseases invites applications supporting the development of close collaborations between basic and clinical researchers focused on obesity. This Request for Applications seeks to encourage productive partnerships between basic and clinical researchers to investigate the biological mechanisms controlling energy balance in humans. The ultimate goal of these investigations is to obtain the necessary knowledge of the different biological pathways regulating energy homeostasis so that new biomarkers of overweight, obesity, and associated metabolic changes can be identified, and novel therapeutic targets developed. This RFA will use the National Institutes of Health (NIH) research project grant (R01) award mechanism to support collaborative research projects between basic and clinical investigators.

For more information: <http://grants1.nih.gov/grants/guide/rfa-files/RFA-DK-04-010.html>.

### **NHLBI Programs of Excellence in Nanotechnology**

National Heart, Lung, and Blood Institute

National Institutes of Health

Deadlines: Letter of Intent: **June 23, 2004**; Full Proposal: July 21, 2004

This RFA will create multidisciplinary teams capable of developing and applying nanotechnology and nanoscience solutions to the diagnosis and treatment of cardiovascular, pulmonary, hematopoietic and sleep disorders. Investigators with skills in nanotechnology rarely focus on heart, lung, blood, and sleep (HLBS) research and investigators focused on HLBS disorders are generally not oriented to the development and use of nanomaterials and nanotechnologies. Therefore, a crucial need exists to foster partnerships between the two communities and to establish shared goals and resources. Creating multidisciplinary teams will be essential to realizing the potential of nanotechnology and applying it to HLBS disorders.

For more information: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-04-020.html>.

### **Research Coordination Networks in Biological Sciences (RCN)**

National Science Foundation

Deadline: **June 25, 2004**

The goal of this program is to foster interactions among scientists to create new research directions or advance a field. Innovative ideas for implementing novel networking strategies are especially encouraged. Groups of investigators will be supported to communicate and coordinate their research, training and educational activities across disciplinary, organizational, institutional, and geographical boundaries. The proposed networking activities should have a theme as a focus of its collaboration. The focus could be on a broad research question, a specific group of organisms, or particular technologies or approaches. Approximately \$1.2 million will be available for 5-10 new RCN awards in FY 2005, pending availability of funds.

For more information: <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf04567>.

### **Biological Research Collections Program**

Directorate for Biological Sciences

National Science Foundation

Deadline: **July 16, 2004**

The Biological Research Collections Program provides support for biological collection enhancement, computerization of specimen-related data, research to develop better methods for specimen curation and collection management, and activities such as symposia and workshops to investigate support and management of biological collections. Biological collections supported include those housing natural history specimens and jointly curated collections such as frozen tissues and other physical samples, e.g. DNA libraries and digital images. Such collections provide the materials necessary for research in a broad area of biological sciences.

For more information: <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf05471>.

### **Speech Processor Optimization for Cochlear Implants**

National Institute on Deafness and Other Communication Disorders (NIDCD)  
National Institutes of Health

Deadlines: Letter of Intent: **June 28, 2004** and Feb 21, 2005

Full Proposal: **July 22, 2004** and March 16, 2005

The NIDCD seeks applications for research project grant awards (R01) or Exploratory/Developmental research grant awards (R21) to advance the design of speech processors for cochlear implants. The goal of this RFA is to support the development of innovation and enhancements for cochlear implants that will increase the level of patient performance. This RFA is a one-time solicitation with two submission dates; investigators may not submit more than one application in response to this RFA. However, applications submitted for the first submission date may be revised and resubmitted for the second submission date indicated for this RFA. The NIDCD intends to commit approximately \$750 thousand total costs in FY 2005 and \$750 thousand in FY 2006 to fund one to two new R21 and two to three new R01 grants in response to this RFA.

For more information: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DC-04-001.html>.

### **RFP for Access to a Whole Genome Association Scanning Resource to Identify Drug Addiction Loci**

National Institute on Drug Abuse  
National Institutes of Health

Deadline: **July 1, 2004**

The purpose of this announcement is to solicit applications from qualified investigators to use a NIDA-supported resource to conduct a genome wide association study for drug addiction vulnerability loci. Success of this project relies on two key factors: (1) a high-density SNP array to perform linkage disequilibrium analyses, and (2) a large number of well-characterized DNA samples and their associated phenotypic definitions from drug addicted and non-drug addicted individuals. To qualify for this solicitation, applicants must be or previously have been NIDA Genetics Consortium (NGC) members, or become members of the NGC on or before July 1, 2004.

For more information: <http://grants.nih.gov/grants/guide/notice-files/NOT-DA-04-006.html> or <http://www.drugabuse.gov/about/organization/genetics/SNP.html>.

### **Therapeutic Development Awards, Chronic Myelogenous Leukemia Research Program**

U.S. Department of Defense

Deadline: **July 27, 2004**

The intent of the Therapeutic Development Award mechanism is to sponsor the preclinical assessment of therapeutics, as well as the development of tools for the preclinical evaluation in model systems for Chronic Myelogenous Leukemia (CML). The proposed studies are expected to be empirical in nature and product driven, but may have a hypothesis-driven approach

provided the focus is on therapeutics. It is anticipated that the agents, model systems, or data generated from these awards will lead to the advancement of therapeutics novel to CML and to the development of a broad platform on which to test future therapies.

For more information: [https://cdmnp.org/programAnnouncements.cfm?prg=CMLRP&prg\\_fy=2004](https://cdmnp.org/programAnnouncements.cfm?prg=CMLRP&prg_fy=2004).

### **NINDS Administrative Supplements for the Sharing and Distribution of Mouse Genetic Models**

National Institute of Neurological Disorders and Stroke  
National Institutes of Health

Deadline: There are two receipt dates for this supplemental program.

The parent grant must have at least one year of funding remaining at the time of supplement application, as indicated by the Project Period End Date of the parent grant (see below).

Project Period End Date of the parent grant: July 30, 2005 or later  
Supplement Receipt Date: **July 30, 2004**

Project Period End Date of the parent grant: May 27, 2006 or later  
Supplement Receipt Date: May 27, 2005

NINDS announces the reissue of an administrative supplement program designed to support and encourage the timely sharing of mouse genetic models (or other rodent genetic lines) included within the scope of currently funded NINDS research projects. These one-time supplements are intended to assist the donor laboratory with the costs of distributing mouse genetic lines to other investigators in the scientific community. The costs associated with creating, acquiring and/or characterizing these mouse models (by either the mouse donor or recipient laboratory) are not within the scope of this program.

For more information: <http://grants.nih.gov/grants/guide/notice-files/NOT-NS-04-009.html>.

### **Senator Paul D. Wellstone Muscular Dystrophy Cooperative Research Centers**

National Institutes of Health  
Deadline: **August 26, 2004**

The primary goal of this initiative is to establish research centers, each of which will bring together expertise, infrastructure and resources focused on major questions about muscular dystrophy. Centers should use innovative research designs and state-of-the-art technologies. Achieving high levels of expertise and resources may require multi-institutional consortia. Centers are expected to provide an environment and core resources that will enhance collaborations of established basic, clinical, and behavioral science investigators to study muscular dystrophy research questions. Further, the environment should promote cross-disciplinary research training.

For more information: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AR-04-008.html>.

## **PHYSICAL SCIENCES & MATHEMATICS**

See listings under MULTIPLE DISCIPLINES

### **Earth Sciences Research**

National Science Foundation

Deadlines:

Geophysics; Hydrologic Sciences; Petrology and Geochemistry; Tectonics: **June 1** and December 1, annually.

Continental Dynamics: Preliminary proposals on **June 1**, annually; full proposals on January 14, annually.

Geology & Paleontology; Instrumentation & Facilities: January 16 and **July 16**, annually.

EarthScope: **July 16**, annually.

Education & Human Resources: General proposals accepted at any time. REU-Site proposals accepted once per year on the NSF-wide deadline of September 15.

The Division of Earth Sciences (EAR) supports research and education focused on understanding earth dynamics. Deciphering the complex record of the planet's past or investigating the forces actively changing it today, EAR's research portfolio centers on the earth's interior and terrestrial surface, including freshwater systems and interactions with the biosphere and atmosphere. Support is available for field, laboratory, and theoretical studies in any discipline of earth science including geology, geobiology, geophysics, geochemistry, geodesy, geolimnology, geomorphology, economic geology, environmental science, hydrology, paleontology, petrology, sedimentology, seismology, stratigraphy, structural geology, tectonics, and volcanology. Given the complexity of earth systems, multidisciplinary research is strongly encouraged and supported. See the Program Announcement for complete details on specific interests of each area listed above. Deadlines vary by area.

For more information: <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf03590>.

### **Analysis Program**

Division of Mathematical Sciences

National Science Foundation

Deadline: **October 5, 2004**

The Analysis Program supports basic research in that area of mathematics whose roots can be traced to the calculus of Newton and Leibniz. Research supported by Analysis provides the theoretical underpinning for the majority of applications of the mathematical sciences to other scientific disciplines. Current areas of significant activity include: nonlinear partial differential equations; dynamical systems and ergodic theory; real, complex and harmonic analysis; operator theory and algebras of operators on Hilbert space; mathematical physics; and representation theory of Lie groups/algebras. Emerging areas include random matrix theory and its ties to classical analysis, number theory, quantum mechanics, and coding theory; and development of noncommutative geometry with its applications to modeling physical phenomena. The principal mission of the Program is to tend and replenish an important reservoir of mathematical

knowledge, maintaining it as a dependable resource to be drawn upon by engineers, life and physical scientists, and other mathematical scientists, as need arises.

For more information: <http://www.nsf.gov/pubs/progdsc/2004/mps/1281.html>.

## **SOCIAL SCIENCES**

### **SAMHSA Dissertation Grants**

Substance Abuse and Mental Health Services Administration

U.S. Department of Health and Human Services

Deadline: **June 1, 2004**

The Substance Abuse and Mental Health Services Administration invites applications for dissertation research using data analysis to study factors affecting substance abuse services. Research should probe how various factors—social, financial, organizational and personal—affect the need for and access to substance abuse treatment, its quality and cost and individuals' health and well being. Students registered and in good standing at an accredited academic doctoral degree program (e.g., Ph.D., Sc.D., or Dr.P.H.), which requires a dissertation based on original research, may apply. The student must apply through an eligible institution that will administer the grant on his or her behalf. The dissertation must examine in a quantitative way a problem or issue in the area of substance abuse. Students in such fields as sociology, psychology, social work, biostatistics, epidemiology, economics, policy, management, medicine, nursing, public health or health services research are especially encouraged to apply.

For more information: <http://www.samhsa.gov/grants/index.html>. Click on FY 2004 Funding Opportunities, and scroll to "PA-04-001".

### **Research Grants**

National Geographic Society

Deadlines: **None**, pre-applications accepted anytime.

The National Geographic Society awards grants for scientific field research and exploration through its Committee for Research and Exploration. Proposed projects must have both a geographical dimension and relevance to other scientific fields and be of broad scientific interest. Applications are generally limited to the following disciplines: anthropology, archaeology, astronomy, biology, botany, geography, geology, oceanography, paleontology, and zoology. Grants generally range from U.S. \$15,000 to \$20,000. There is no set quantity of grants awarded, but budget constraints keep the number to approximately 250 per year. NGS grant funds may not be used for indirect costs, overhead, and other expenses not directly related to the project. Fringe benefits are also excluded, as are salaries. Applying for an NGS grant is a two-step process, requiring a pre-application and, if invited, a full proposal. Pre-applications should be submitted at least 10 months prior to the start of the project for which funding is requested.

For more information: <http://www.nationalgeographic.com/society/ngo/research/index.html>.

## **MULTIPLE DISCIPLINES**

### **Fulbright Distinguished Chairs Program**

Council for the International Exchange of Scholars

Deadlines: Letter of Intent: **May 1, 2004**; Full Proposal: August 2, 2004

Thirty-one distinguished chair lecturing and lecturing/research awards are available in 15 countries. Awards in the Fulbright Distinguished Chairs Program are viewed as among the most prestigious appointments in the Fulbright Scholar Program. Candidates should have a prominent record of scholarly accomplishment. Applicants should submit a letter of interest (about three pages), a curriculum vitae (maximum eight pages) and a sample syllabus (maximum four pages) by the May 1, 2004 deadline. Following a review during the summer, scholars selected for the short list for each chair will be asked to complete a full application by August 2, 2004. See the CIES website for more information on the awards

For more information: [http://www.cies.org/ab\\_dc/](http://www.cies.org/ab_dc/).

### **Tropical Cloud Systems and Processes (TCSP)**

National Aeronautics and Space Administration

Deadline: Letter of Intent: **May 3, 2004**; Full Proposals: July 1, 2004

NASA solicits investigations of tropical cloud systems and their environmental feedback which contribute to a unified approach to study variations in the Earth's climate system. The announcement seeks innovative investigations that utilize NASA's observational data for investigations of tropical cyclones, the impact of cirrus clouds on atmospheric cycles of water and energy, and related feedbacks on the radiative, compositional and dynamic attributes of the upper troposphere/lower stratosphere. It also seeks proposals that utilize this knowledge in facilitating the development and evaluation of models and data assimilation systems that include representations of tropical cloud processes and their impact on Earth's climate system. Awards will be for the period of 3 years. It is anticipated that approximately \$7M per year will be available, with individual awards depending on the range of activities proposed and the total number of team members selected.

For more information:

[http://research.hq.nasa.gov/code\\_y/nra/current/NNH04ZYS003N/index.html](http://research.hq.nasa.gov/code_y/nra/current/NNH04ZYS003N/index.html).

### **Bioengineering Research Partnerships**

National Institutes of Health

Deadlines for 2004: Letters of Intent: **June 20, 2004**; November 20, 2004;

Full Applications: August 20, 2004; January 20, 2005

The primary objective of this program announcement is to encourage basic, applied, and translational bioengineering research that could make a significant contribution to improving human health. Bioengineering integrates physical, engineering, and computational science

principles for the study of biology, medicine, behavior, or health. A second objective is to encourage collaborations and partnerships among the allied quantitative and biomedical disciplines. A BRP must bring together the necessary physical, engineering, and computational science expertise with biological or clinical expertise and resources to address a significant area of bioengineering research within the mission of the NIH.

For more information: <http://grants.nih.gov/grants/guide/pa-files/PA-04-023.html>.

### **Postdoctoral Fellowships in Polar Regions Research (and Travel Grants)**

National Science Foundation

Deadlines: **June 29, 2004** for Fellowships

September 02, 2004 for Travel grants

March 02, 2005 for Fellowships

Postdoctoral Fellowships in Polar Regions Research, offered by the Office of Polar Programs (OPP), to support training and research on any aspect of scientific study of the Antarctic and/or the Arctic. The program separately offers travel grants so that persons otherwise eligible to apply for the fellowships may first visit prospective sponsoring scientists at their organizations. The program develops and trains new investigators in polar regions research with concomitant goals to: Support innovative research in emerging areas; Encourage interdisciplinary research; Foster activities that create broader impacts for science and society; and Increase the participation of underrepresented groups.

For more information: <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf04566>.

### **Joint DMS/BIO/NIGMS Initiative to Support Research in the Area of Mathematical Biology**

National Science Foundation

Deadlines: **June 30, 2004**; June 15, 2005

The Division of Mathematical Sciences in the Directorate for Mathematical and Physical Sciences and the Directorate for Biological Sciences at the National Science Foundation and the National Institute of General Medical Sciences at the National Institutes of Health plan to support research in mathematics and statistics related to mathematical biology research. Both agencies recognize the need for additional research at the boundary between the mathematical sciences and the life sciences. This competition is designed to encourage new collaborations at this interface, as well as to support existing ones. Award sizes are expected to range from \$100,000 to \$400,000 per year with durations of 4-5 years.

For more information: <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf04572>.

## **Fulbright Scholar Program**

Council for the International Exchange of Scholars

Deadline: **August 1, 2004**

For over 50 years, the Fulbright Program has offered U.S. faculty, professionals, teachers, and students the opportunity to conduct research, teach, or study abroad, and to make a major contribution to global understanding. The Fulbright Scholar Program, the senior scholar component of the Fulbright Program, offers grants for college and university faculty, as well as for professionals and independent scholars. Approximately one-quarter are for research and three-quarters for lecturing, combined lecturing or research, or seminar participation. Multi-country research is offered in some regions. Grants are typically from two months to an academic year. Generally speaking, Fulbright grants are budgeted to cover travel and living costs in-country, and in most cases do not provide salary replacement.

For more information: [http://www.cies.org/us\\_scholars/](http://www.cies.org/us_scholars/).