

Funding Opportunities Bulletin

May 2005

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

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EDUCATION

See also listings under MULTIPLE DISCIPLINES

Professional Development for Arts Educators

U.S. Department of Education

Deadlines: Letter of Intent (encouraged): **April 29, 2005**; Full Proposal: May 20, 2005

This program supports the implementation of high-quality professional development model programs in elementary and secondary education for music, dance, drama, media arts, or visual arts, including folk arts, educators and other arts instructional staff of kindergarten through grade 12 (K-12) students in high-poverty schools. The purpose of this program is to strengthen standards-based arts education programs and to help ensure that all students meet challenging State academic content standards and challenging State student academic achievement standards in the arts. Eligible applicants include a local educational agency (LEA) that is acting on behalf of an individual school or schools that meets the poverty criterion with respect to children from low-income families that is specified in the application requirement section noted in the full solicitation, and that must work in partnership with one or more of the following: A State or local non-profit or governmental arts organization; A State educational agency (SEA) or regional educational service agency; An institution of higher education; or A public or private agency, institution, or organization, including a museum, an arts education association, a library, a theater, or a community- or faith-based organization.

For more information: <http://www.ed.gov/programs/artsedprofdev/applicant.html>.

Arts in Education Model Development and Dissemination program (AEMDD)

U.S. Department of Education

Deadline: **May 31, 2005**

The Arts in Education Model Development and Dissemination program (AEMDD) supports the enhancement, expansion, documentation, evaluation, and dissemination of innovative, cohesive

models that are based on research and have demonstrated that they effectively: (1) integrate standards-based arts education into the core elementary and middle school curricula; (2) strengthen standards-based arts instruction in these grades; and (3) improve students' academic performance, including their skills in creating, performing, and responding to the arts. Projects funded through the AEMDD program are intended to increase the amount of information on effective models for arts education that is nationally available and that integrate the arts with standards-based education programs. Eligible Applicants: (1) One or more local educational agencies (LEAs), including charter schools that are considered LEAs under State law and regulations, that may work in partnership with one or more of the following: A State or local non-profit or governmental arts organization, A State educational agency (SEA) or regional educational service agency, An institution of higher education, or A public or private agency, institution, or organization, such as a community- or faith-based organization. (2) One or more State or local non-profit or governmental arts organizations that must work in partnership with one or more LEAs and may partner with one or more of the following: An SEA or regional educational service agency, An institution of higher education, or A public or private agency, institution, or organization, such as a community- or faith-based organization.

For more information: <http://www.ed.gov/programs/artsedmodel/applicant.html>.

Teacher Professional Continuum (TPC) Program

National Science Foundation

Deadlines: Preliminary Proposal **May 31, 2005** (required for Research Studies and Resources for Professional Development proposals)

Full Proposals: September 16, 2005 (for Research Studies and Resources for Professional Development)

Proposals for Conferences and Symposia may be submitted at any time

The Teacher Professional Continuum (TPC) program addresses critical issues and infrastructure 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/pubs/2005/nsf05580/nsf05580.htm>.

ENGINEERING & COMPUTER SCIENCE

See also listings under MULTIPLE DISCIPLINES

Adaptive Cognition Enhanced Radio Teams (ACERT) Program

Defense Advanced Research Projects Agency (DARPA)

Deadlines: Initial Closing: **May 26, 2005**; Final Closing: April 11, 2006

The DARPA Information Processing Technology Office (IPTO) is soliciting proposals to perform research, design, development and integration to support the Adaptive Cognition Enhanced Radio Teams (ACERT) Program. The ACERT Program will develop fundamental techniques and technologies for software-defined radios. The ACERT Program will also have a separate system integrator tasked with fostering open source development support for ACERT-developed code. Technical proposals should address all of the forthcoming ACERT challenges and propose the development of a working prototype system. Performers are encouraged to use open source Berkeley Software Distribution (BSD) licensing to enhance technology transition, although other development models and licenses will be considered. The full proposal must be submitted to DARPA by May 26, 2005 in order to be considered during the initial evaluation phase. However, this solicitation will remain open until April 11, 2006. Thus, proposals may be submitted at any time through April 11, 2006; although, the likelihood of funding such proposals is less than for those proposals submitted by the initial closing date.

For more information:

<http://www.fedgrants.gov/Applicants/DOD/DARPA/CMO/BAA05-37/Attachments.html#upload4425>.

Enabling Turbine Technologies for High-Hydrogen Fuels

U.S. Department of Energy

Deadline: **May 27, 2005**

The U.S. Department of Energy requests proposals for research in the broad area of Enabling Turbine Technologies for High-Hydrogen Fuels. There are five separate Areas of Interest and various Technical Topics within Areas of Interest to which an application can be submitted under this Master Announcement: Topic Area 1: Hydrogen Turbines for FutureGen; Topic Area 2A: Turbines and Combustors for Oxy-Fuel Rankine Cycle Systems- Coal-Based Oxy-Fuel System Evaluation and Combustor Development; Topic Area 2B: Turbines and Combustors for Oxy-Fuel Rankine Cycle Systems- Turbines for Oxy-Fuel Rankine Cycle Coal Based Power Systems; Topic Area 3A: Mega-Watt Scale Turbines for Hydrogen Utilization- Development of Highly Efficient Zero Emission Hydrogen Combustion Technology for Mega-Watt Scale Turbines; Topic Area 3B: Mega-Watt Scale Turbines for Hydrogen Utilization- Development of Hydrogen Combustion Systems for Fuel Augmentation to Reduce NOx in MW-scale Combustion Turbines; Topic Area 3C: Mega-Watt Scale Turbines for Hydrogen Utilization- MW-Scale Turbines for Power and Hydrogen Co-Production in Industrial Applications; Topic Area 4: Novel Concepts for the Compression of Large Volumes of Carbon Dioxide; Topic Area 5: Advanced Brayton Cycles for Highly Efficient Zero Emission Systems.

For more information:

<http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-PS26-05NT42380-00/Modification2.html>.

Foundations of Computing Processes and Artifacts (CPA)

National Science Foundation

Deadline: **June 20, 2005**

The Foundations of Computing Processes and Artifacts (CPA) cluster supports research and education projects to advance formalisms and methodologies pertaining to the artifacts and processes for building computing and communication systems. Computational artifacts range from formalisms, models, theories and languages to hardware/software architectures, technology components and a variety of physical manifestations of implementations. Proposals submitted in response to this solicitation will address the nature of such artifacts and the computational processes they perform, as well as the artifacts and processes involved in specifying, designing, building and using them.

For more information: <http://www.nsf.gov/pubs/2005/nsf05576/nsf05576.htm>.

FINE ARTS

See also listings under EDUCATION

HUMANITIES

Landmarks of American History: Workshops for Community College Teachers

National Endowment for the Humanities (NEH)

Deadline: **August 5, 2005**

NEH seeks proposals for a series of one-week residence-based workshops at historic sites for community college educators teaching the introductory college course in American history. The goals of the workshops are to: provide experience for community college faculty in the use and interpretation of historic sites and the material resources and archival documents of U.S. history; increase knowledge and appreciation of places significant to American history; and encourage historical sites to develop greater capacity and scale for professional development programs. Workshops should be held at or near sites important to American history (e.g., presidential residences or libraries, Colonial-era settlements, major battlefields, and historical districts). Applicants should make a compelling case for the historical significance of the site, its relevance to central issues in American history taught at the introductory level, and the material resources available for use and the ways in which the site will enhance the study experience.

For more information: <http://www.neh.gov/grants/guidelines/landmarksgcc.html>.

INTERNATIONAL AREA STUDIES

See also listings under MULTIPLE DISCIPLINES

Study of the U.S. Institute on U.S. National Security: U.S. National Security Policymaking in a Post 9/11 World

U.S. Department of State

Deadline: **June 6, 2005**

The Branch for the Study of the U.S., Office of Academic Exchange Programs, Bureau of Educational and Cultural Affairs (ECA/A/E/USS), announces an open competition for public and private non-profit organizations to develop and implement the Study of the United States Institute on U.S. National Security: U.S. National Security Policymaking in a Post 9/11 World. This institute, for a multinational group of 18 experienced foreign university educators and other professionals, is intended to provide participants with a deeper understanding of U.S. approaches to national security policymaking, past and present, in order to strengthen curricula and to improve the quality of teaching about the United States at universities and other institutions abroad. The institute should be designed as intensive, academically rigorous seminars for scholars and other professionals from outside the United States and should have a strong central theme and focus. It should also have a strong contemporary component.

For more information: <http://exchanges.state.gov/education/rfgps/menu.htm> (scroll down and click on "Study of the U.S. Institute on U.S. National Security").

International Visitor Leadership Programs

U.S. Department of State

Deadline: **June 16, 2005**

The Office of International Visitors, Division of Professional and Cultural Exchanges, Bureau of Educational and Cultural Affairs (ECA/PE/V), United States Department of State (DoS) announces an open competition for three assistance awards to develop and implement International Visitor Leadership Programs (IVLP). The IVLP seeks to increase mutual understanding between the U.S. and foreign publics through carefully designed professional programs for approximately 4,700 foreign visitors per year from all regions of the world. The three awards will fund programming for a minimum of 200 and a maximum of 850 International Visitors (IVs). Award A will fund up to approximately 200 visitors (\$370,000); Award B up to approximately 300 visitors (\$586,000); and Award C up to 850 visitors (\$1,586,000). Funding will be for FY-2006 (October 1, 2005 - September 30, 2006). Applicant organizations may bid on one or all awards. Pending availability of funds, one assistance award will be made for each of the three categories described above. If an organization is interested in bidding on more than one award, a separate proposal and budget is required for each award.

For more information: <http://exchanges.state.gov/education/rfgps/menu.htm> (scroll down and click on International Visitor Leadership Programs).

MEDICINE & LIFE SCIENCES

See also opportunities under MULTIPLE DISCIPLINES

International Research Collaboration – Basic Biomedical (FIRCA-BB)

National Institutes of Health

Deadlines: January 21, May 21, and September 21 each year beginning with the **May 21, 2005**

The International Research Collaboration- Basic Biomedical Sciences Research Award (FIRCA-BB) facilitates collaborative basic biomedical research between scientists supported by the National Institutes of Health (NIH) and investigators in developing countries. Eligible Principal Investigators (PIs) must either: (a) have current, eligible NIH-funded research and collaborate with a colleague from a laboratory or research site in an eligible developing country; or (b) currently be or formerly have been a Foreign Collaborator on a FIRCA awarded within the past seven years.

For more information: <http://grants.nih.gov/grants/guide/pa-files/PAR-05-072.html>.

Career Development Award to Promote Diversity in Neuroscience Research

National Institute of Neurological Disorders and Stroke (NINDS)

National Institutes of Health

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

The purpose of the Career Development Award to Promote Diversity in Neuroscience Research is to support an intensive, supervised career development and scientific mentoring experience for promising junior investigators underrepresented racial and ethnic minorities, individuals with disabilities, and individuals from disadvantaged backgrounds to obtain research independence during the performance period of the award. The proposed career development experience is expected to substantially contribute to the research capabilities of the applicant, and research should be in an area of interest to the NINDS.

For more information: <http://grants.nih.gov/grants/guide/pa-files/PAR-05-071.html>.

Chronic Myelogenous Leukemia Research Program (CMLRP) Exploration – Hypothesis Development Award (EHD)

Congressionally Directed Medical Research Programs (CDMRP)

US Army Medical Research and Materiel Command (USAMRMC)

Deadline: **June 7, 2005**

The intent of the Exploration – Hypothesis Development Award is to provide funds to support initial exploration of innovative, untested, potentially groundbreaking concepts in chronic myelogenous leukemia. Funding can be requested for up to a maximum of \$150,000 inclusive of direct and indirect costs for up to a 24-month performance period.

For more information: <http://cdmrp.army.mil/funding/cmlrp.htm>.

Chronic Myelogenous Leukemia Research Program (CMLRP) Therapeutic Development Award
Congressionally Directed Medical Research Programs (CDMRP)
US Army Medical Research and Materiel Command (USAMRMC)
Deadline: **June 7, 2005**

The intent of the Therapeutic Development Award is to sponsor the preclinical assessment of therapeutics for chronic myelogenous leukemia (CML). The CMLRP specifically seeks proposals in the following areas of preclinical drug development: identification of lead agents through screening of small molecule libraries; evaluation of novel and/or existing therapeutic modalities in preclinical model systems; design and implementation of pilot Good Manufacturing Practice (GMP) production of therapeutics; testing of pharmacological agents through advanced preclinical toxicology; and/or development of Investigational New Drug (IND) materials. The formation of multidisciplinary, multi-institutional consortia focused on a synergistic preclinical development project is strongly encouraged.

For more information: <http://cdmrp.army.mil/funding/cmlrp.htm>.

Identification of Alcohol Biomarker Signatures

National Institutes of Health

Deadlines: Letter of Intent: **May 15, 2005**; Full Proposal: June 15, 2005

This Request for Applications (RFA) fosters the utilization of genomic, proteomic, and metabolomic technologies for the development of diagnostic biomarker signatures for alcohol consumption and alcohol-induced tissue injury. Specifically, the research program is aimed at identifying signatures of acute and chronic alcohol consumption for diagnosing high-risk drinking, detecting relapse to drinking, disclosing recent drinking in high risk situations such as pregnancy, as well as signatures for alcohol-induced early tissue damage including brain damage, alcoholic liver disease (ALD), pancreatitis, immune disorders, cancer, cardiomyopathy and other alcohol-induced diseases. Recent advances in high-throughput technologies in genomics, proteomics, and metabolomics, in combination with robust bioinformatics enable researchers to rapidly survey thousands of differentially expressed genes, proteins, or metabolites simultaneously, thus employing an integrative approach to identify unique biomarker signatures. These state-of-the-art technologies provide a great opportunity to discover a new generation of biomarkers. These signatures could lead to the identification of potential targets for medication development and for evaluating the efficacy of lead compounds in clinical trials.

For more information: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AA-06-002.html>.

Source Reduction Assistance Program Notice for the Eight Regional Pollution Prevention Program Offices

U.S. Environmental Protection Agency

Deadlines: For EPA Region 7: Pre-proposals: **May 20, 2005**; Full Proposals: June 13, 2005

Eight of EPA's ten Regional Pollution Prevention (P2) Program offices expect to have approximately \$163,000 available, per region, in fiscal year 2005, to fund projects supporting source reduction, pollution prevention and/or resource conservation activities. For a list of

specific projects that will be considered by each region participating in this announcement, please see the full solicitation.

For more information: <http://www.epa.gov/p2/grants/srap05.htm>.

Research to Stimulate Assessment of Virulence of Waterborne Pathogens

U.S. Environmental Protection Agency

Deadline: **May 23, 2005**

The National Exposure Research Laboratory (NERL), which is part of USEPA's Office of Research and Development, is seeking technically qualified non-profit organizations to perform research related to virulence of waterborne pathogens. Currently, it is sometimes difficult to distinguish between virulent and avirulent isolates of waterborne pathogens either in clinical samples or in potable water. A better understanding of virulence would be of great benefit to clinicians and public health officials at the Federal, state and local levels. Some of the pathogens of interest are: *Aeromonas hydrophila*, *Mycobacterium avium* complex (MAC), *Helicobacter pylori*, microsporidia, adenoviruses, caliciviruses, coxsackieviruses, and echoviruses.

For more information:

<http://www.fedgrants.gov/Applicants/EPA/OGD/GAD/EPA-ORD-25395/Grant.html>.

Applied Plant Genomics – Coordinated Agricultural Project (CAP)

Cooperative State Research, Education, and Extension Service (CSREES)

U.S. Department of Agriculture

Deadlines: Letter of Intent (optional): **June 1, 2005**; Full Proposal: July 1, 2005

CSREES requests applications for the National Research Initiative (NRI) Competitive Grants Program – Applied Plant Genomics – Coordinated Agricultural Project (CAP) for fiscal year (FY) 2005 to engage the applied plant-sciences, both public and private, and involve them in the application of genome discoveries and technology to U.S. crop or forestry improvement. Approximately \$5 million is available for awards under this solicitation.

For more information:

http://www.csrees.usda.gov/funding/rfas/nri_applied_plant_genomics_cap.html.

Neurologic Motor Speech Disorders and Speech Motor Control

National Institute on Deafness and Other Communication Disorders (NIDCD) and

National Institute on Aging (NIA)

National Institutes of Health

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

The NIDCD and NIA are encouraging applications in motor speech disorders and speech motor control. Applications in response to this PA should be submitted at the standard receipt dates

indicated by the NIH. There are no funds set aside for this program. Research applications may use the R01 or the R21 (Exploratory/Developmental). Multidisciplinary applications, when appropriate, are highly encouraged. Eligible organizations for research grant application include domestic and foreign for-profit and non-profit public and private institutions. Only one application may be submitted per applicant at a single receipt date.

For more information: <http://grants.nih.gov/grants/guide/pa-files/PA-05-075.html>.

Stem Cells and Cancer

National Institutes of Health

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

The National Cancer Institute is interested in stimulating research on all aspects of stem cell biology, including research into the molecular and biochemical regulation of embryonic and adult stem cell behavior. We anticipate that the results of such research will ultimately improve the specificity and long-term effectiveness of cancer therapy, through the targeting of those cells most responsible for disease progression and metastasis. The Research Objectives section of this announcement will focus on the most recent research on tumor stem cells, because of the importance of these stem cells to understanding tumor biology. However, it should be emphasized that the purpose of this announcement is to encourage research on all aspects of stem cell biology.

For more information: <http://grants.nih.gov/grants/guide/pa-files/PA-05-086.html>.

Research Coordination Networks in Biological Sciences (RCN)

National Science Foundation

Deadline: **June 27, 2005**

The goal of this program is to encourage and 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.

For more information: <http://www.nsf.gov/pubs/2005/nsf05569/nsf05569.htm>.

Opportunities for Promoting Understanding through Synthesis (OPUS)

Division of Environmental Biology

National Science Foundation

Deadlines: **July 9** and January 9, annually

Three clusters within the Division of Environmental Biology (the Ecological Biology, Ecosystem Science, and the Population and Evolutionary Processes clusters) encourage the submission of

proposals aimed at synthesizing a body of related research projects conducted by a single individual or group of investigators over an extended period. OPUS proposals will often be appropriately submitted in mid-to-late career, but will also be appropriate early enough in a career to produce unique, integrated insight useful both to the scientific community and to the development of the investigator's future work. In cases where multiple scientists have worked collaboratively, an OPUS award will provide support for collaboration on a synthesis. OPUS awards will facilitate critical synthesis, and do so in a way that will acknowledge the prestige of this important component of scientific scholarship.

For more information: <http://www.nsf.gov/pubs/2005/nsf05572/nsf05572.htm>.

Biological Databases and Informatics (BD&I)

National Science Foundation

Deadline: **July 11, 2005**; Second Monday in July Annually

The Biological Databases and Informatics (BD&I) program seeks to encourage new approaches to the management, analysis, and dissemination of biological knowledge for the benefit of both the scientific community and the broader public. The BD&I program is especially interested in the development of informatics tools and resources that have the potential to advance all fields of biology under the purview of the Directorate for Biological Sciences at the National Science Foundation. An investigator can be included in only one proposal as a principal investigator or a co-principal investigator per round of competition in response to this solicitation.

For more information: <http://www.nsf.gov/pubs/2005/nsf05577/nsf05577.htm>.

Biological Research Collections Program (BRC)

National Science Foundation

Deadline: **July 15, 2005**

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. In any single round of the BRC competition, only one proposal may be submitted from any individual collection within an organization. Organizations that house multiple collections, submitting proposals from more than one collection, should engage in internal planning activities in order to prioritize the needs of the several collections such that the organization does not submit a multiplicity of proposals to any one BRC competition.

For more information: <http://www.nsf.gov/pubs/2005/nsf05575/nsf05575.htm>.

Innovative Grants on Immune Tolerance

National Institutes of Health

Deadlines: Letter of Intent: **July 18, 2005**; Full Proposal: August 18, 2005

This RFA invites R21 applications for Exploratory/Developmental Research Project Grants. The primary goal of the initiative is to support pilot projects to introduce new research ideas into the bench-to-bedside pipeline. Applications submitted under this award mechanism should be exploratory and novel, and must focus on mechanisms of immune tolerance in the fetal, neonatal, and early childhood stages of development up to and including adolescence (through age 19 in humans). These studies should break new ground or extend previous discoveries toward new directions or applications, and have the potential to change clinical treatment of allergic diseases, autoimmune disorders, or graft rejection in solid organ, tissue and cell transplantation. Clinical trials, studies on HIV/AIDS, and behavioral research will not be supported under this RFA. However, research involving human tissues or samples is encouraged. NIAID intends to commit \$2 million in Fiscal Year 2006 to fund eight to ten applications. The total requested project period for an application submitted in response to this RFA may not exceed two years. The combined budget for direct costs for the two-year project period may not exceed \$275,000.

For more information: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-05-023.html>.

Long Term Research in Environmental Biology (LTREB)

National Science Foundation

Deadlines: **July 18, 2005** and January 9 and July 9, annually thereafter

The Division of Environmental Biology encourages the submission of proposals aimed at generating long time series of biological and environmental data that address particular ecological and evolutionary processes. NSF will support competitively reviewed projects that continue critical and novel long-term data collection aimed at resolving important issues in environmental biology. Researchers must demonstrate at least six years of data collection to qualify for funding and the proposal must convey a rationale for at least ten additional years of data collection. As part of the requirements for funding, projects must show how collected data will be shared broadly with the scientific community and the interested public.

For more information: <http://www.nsf.gov/pubs/2005/nsf05583/nsf05583.htm>.

Center for Tropical Forest Science Research Grants Program

Center for Tropical Forest Science

Smithsonian Institution

Deadline: **July 29, 2005**

The Research Grants Program of the Center for Tropical Forest Science (CTFS) of the Smithsonian Tropical Research Institute is intended to provide opportunities for senior researchers, post-doctoral fellows, and graduate students to utilize existing CTFS Forest Dynamics Plots (FDP) and to conduct research with scientists associated with these plots. The

CTFS network of FDPs includes 18 sites in 15 countries. Anyone working directly in a Forest Dynamics Plot (FDP), analyzing data from a plot, or generating complementary data that strengthens FDP research programs is eligible to apply. Projects can be field-oriented, laboratory-based, or analytical, and scientifically, basic or applied in nature. Grants will range from \$3,000-\$30,000. The CTFS Research Grants Program will make awards for projects three months to three years in length.

For more information: <http://www.ctfs.si.edu/>.

Targeting Diseases Caused by Protein Misfolding or Misprocessing

National Institutes of Health

Deadlines: Letter of Intent: **August 15, 2005**; Full Proposal: September 15, 2005

The goal of this program announcement is to invite applications to identify and optimize small molecule reagents of any kind that specifically ameliorate a protein folding or processing defect in inherited diseases. This funding opportunity will use the NIH Research Project Grant (R01) and Exploratory/Developmental Grant (R21) award mechanism(s). Applications received in response to this program announcement will compete for funds in the general funding pool of the sponsoring Institutes. No specific funds have been set aside for this announcement. The number and size of the awards will depend on the number of applications received, their relative scientific merit, and the general availability of funds for investigator-initiated research at the sponsoring Institutes.

For more information: <http://grants.nih.gov/grants/guide/pa-files/PA-05-056.html>.

Cooperative Research Partnerships for Biodefense

National Institute of Allergy and Infectious Diseases (NIAID)

National Institutes of Health

Deadlines: Letter of Intent: **September 12, 2005**; Full Proposal: October 12, 2005

NIAID invites research grant applications that will lead to the development of new vaccines, adjuvants, therapeutics, immunotherapeutics or diagnostics focused on NIAID Category A, B, or C priority pathogens and toxins (http://www2.niaid.nih.gov/Biodefense/bandc_priority.htm). The objective of this program is to support applied research (i.e., beyond basic research) and advanced product development; however, for the area of immunotherapeutics, basic research is also appropriate and will be supported. Research may include, but is not limited to, target identification (e.g., compound screenings, epitope identification); the adaptation of platform technologies or products to biodefense applications; optimization of products; process development, early validation and testing; preclinical evaluation; scale-up, and production of quantities sufficient for preclinical regulatory requirements and clinical Phase I testing or field trials. Applications that include collaborations between researchers from different disciplines and/or with industry are strongly encouraged.

For more information: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-05-019.html>.

National Biodefense Analysis and Countermeasures Center Broad Agency Announcement

U.S. Department of Homeland Security

Deadline: **None**, preproposals may be submitted anytime

The National Biodefense Analysis and Countermeasures Center (NBACC) is the name of the proposed facility to be located at the National Interagency Biodefense Campus at Fort Detrick, Maryland. The NBACC will execute two of the seven biosecurity program areas of the Science-based Threat Analysis and Response Program Office, Office of Research and Development, Directorate of Science and Technology. The two program areas to be executed at NBACC will be Biological Threat Characterization and Bioforensics Operations and Research. This Broad Agency Announcement (BAA) is intended to solicit research ideas. See the complete announcement for a general description of NBACC's research programs, including specific areas of interest. This BAA is a continuously open announcement; preproposals may be submitted and will be evaluated at any time throughout the year, unless time frames are stated in a separate announcement issued pursuant to this BAA.

For more information: http://www.usamraa.army.mil/pages/NBACC_BAA/baa_05_2.cfm.

PHYSICAL SCIENCES & MATHEMATICS

See also opportunities under MULTIPLE DISCIPLINES

Discovery Program 2005 and Missions of Opportunity

National Aeronautics and Space Administration

Deadlines: Letter of Intent: **May 14, 2005**; Full Proposal: July 16, 2005

The National Aeronautics and Space Administration (NASA) Science Mission Directorate (SMD) is releasing a NASA Announcement of Opportunity (AO), for the Discovery Program 2005 and Missions of Opportunity. NASA intends to select a Discovery mission to launch by December 31, 2012. A Mission of Opportunity may also be selected. The Discovery Program AO solicits investigations that meet the goals of planetary system(s) exploration encompassing the scientific objectives of the NASA Solar System Division (excluding Mars) and the search for extrasolar planetary systems element of the NASA Universe Division. The Discovery Program is designed to accomplish frequent, high quality planetary science investigations within a cost cap. The Program seeks to contain total mission cost and to improve performance through innovative, streamlined, and efficient management, engineering, and operational approaches. This AO allows proposals for two different types of scientific investigations through the Discovery Program: 1) stand alone Discovery Mission investigations, and 2) appropriate scientific investigations through participation in space missions sponsored by organizations other than the OSS; the latter are identified in this announcement as Mission of Opportunity investigations. A pre-proposal conference will be held April 23, 2005.

For more information: http://research.hq.nasa.gov/code_s/nra/current/NNH04ZSS002O/main.html.

Research in Innovative Approaches to Fusion Energy Sciences

U.S. Department of Energy

Deadline: Letter of Intent: **May 18, 2005**; Full Proposal: June 23, 2005

The Office of Fusion Energy Sciences (OFES) of the Office of Science (SC), U.S. Department of Energy (DOE), announces its intention to conduct a special review of the research in innovative approaches to fusion energy sciences. All university or industry individuals or groups planning to submit applications for renewal or new funding in Fiscal Year 2006 should submit in response to this Notice. A Letter-of-Intent (LOI) to submit an application is required and should be submitted by May 18, 2005. Failure to submit the LOI by the due date may preclude the full application from due consideration for award.

For more information: <http://www.science.doe.gov/grants/FAPN05-09.html>.

High Temperature Electrochemistry Center (HiTEC) Advanced Research Program

National Energy Technology Laboratory (NETL)

U.S. Department of Energy (DOE)

Deadline: **May 19, 2005**

The Department of Energy (DOE), National Energy Technology Laboratory (NETL) is seeking applications under the High Temperature Electrochemical Center (HiTEC) Advanced Research Program. Applications will only be entertained for the specific sub-areas of interest advertised in the announcement: Topic Area 1A: Energy Storage Utilizing High Temperature Electrochemical Processes; Topic Area 1B: Revolutionary High Temperature Electrochemical Power Technology; Topic Area 1C: Thermoelectric-SOFC Hybrid Energy Conversion; Topic Area 2A: Effect of Coal Contaminants on Solid Oxide Fuel Cell System Performance and Service Life.

For more information:

<https://e-center.doe.gov/iips/faopor.nsf/UNID/4FB208D48108C05485256FDC005ECEB4?OpenDocument>.

EarthScope: Science, Education, and Related Activities

National Science Foundation

Deadline: **July 16**, annually

EarthScope is an Earth science program to explore the 4-dimensional structure of the North American continent. The EarthScope Program provides a framework for broad, integrated studies across the Earth sciences, including research on fault properties and the earthquake process, strain transfer, magmatic and hydrous fluids in the crust and mantle, plate boundary processes, large-scale continental deformation, continental structure and evolution, and composition and structure of the deep-Earth. The nucleus of the Program is the EarthScope Facility, consisting of the Plate Boundary Observatory (PBO), the San Andreas Fault Observatory at Depth (SAFOD), and the US Array. The EarthScope Facility is a multi-purpose array of instruments and observatories that will greatly expand the observational capabilities of the Earth Sciences and permit us to advance our understanding of the structure, evolution and dynamics of the North American continent. This Solicitation calls for single or collaborative

proposals to conduct scientific research associated with the EarthScope Facility and support activities that further the scientific and educational goals of EarthScope.

For more information: <http://www.nsf.gov/pubs/2004/nsf04589/nsf04589.htm>.

SOCIAL SCIENCES

See also opportunities under MULTIPLE DISCIPLINES

Family Planning Service Delivery Improvement Research Grants

U.S. Department of Health and Human Services

Deadline: **May 15, 2005**

This announcement invites applications from public and non-profit private entities for research on selected topic areas for family planning service delivery improvement. The purpose is to support relevant research which will promote improvements in family planning services. Therefore, funds available under this announcement are for projects to conduct applied research which will be useful to family planning administrators and providers, researchers, and officials of local, State, and the Federal government, including OPA, in order to improve the delivery of family planning services to persons needing and desiring such services. Research projects supported under this announcement are expected to be consistent with one or more of the following performance goals for the Family Planning Program in the Department of Health and Human Services: (1) Improve health outcomes, (2) Increase utilization of preventive health care, particularly among vulnerable and special needs populations, (3) Increase the proportion of pregnancies that are intended, or (4) Reduce pregnancies among unmarried adolescent females.

For more information:

<http://www.fedgrants.gov/Applicants/HHS/OS/OPHS/PA-FPSDRG-05-010/Grant.html>.

Civil Justice Survey of State Courts, 2005 Solicitation

Office of Justice Programs

U.S. Department of Justice

Deadline: **May 20, 2005**

The purpose of this solicitation is to obtain a data collection agent for the 2005 Civil Justice Survey of State Courts. This survey will collect information on tort, contract, and real property rights trials that were completed in a nationwide sample of State courts of general jurisdiction. The civil case data will include cases that were disposed of by bench and jury trial as well as an overall count of general civil cases that were concluded through non-trial means. The project will also include descriptive information on how settlement and alternative dispute resolution data are recorded in court case management systems.

For more information: <http://www.ojp.usdoj.gov/bjs/abstract/cjssc05sol.htm>.

Developmental Research on Elder Mistreatment

National Institute on Aging
National Institutes of Health

Deadlines: Letter of Intent: **June 1, 2005**; Full Proposal: June 23, 2005

NIA announces the availability of Exploratory/Developmental awards (R21) to initiate the systematic scientific study of Elder Mistreatment. Several of the more basic priority areas elaborated in the National Academy of Sciences publication “Elder Mistreatment. Abuse, Neglect, and Exploitation in an Aging America” (2003) are included in this solicitation. This RFA will address initial scientific stages for understanding Elder Mistreatment in community and institutional settings. These research priority areas include: (1) innovative methods for estimating incidence; (2) standardization of definitions and measurement; (3) elaboration of risk factors; (4) methods of clinical and psychosocial identification of Elder Mistreatment; and (5) identification of Elder Mistreatment in institutional settings. Because of the paucity of research in this area, NIA is intent upon expanding the research infrastructure for Elder Mistreatment and therefore solicits applications from scientists with expertise in related areas (e.g., child abuse; sexual behaviors; other illicit behaviors) as well as those with expertise in Elder Mistreatment. Finally, NIA seeks the judgment of the scientific community, based upon evidence collected in these grants, on the feasibility of conducting a national incidence study of elder mistreatment.

For more information: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AG-05-009.html>.

International Research Collaboration – Behavioral, Social Sciences (FIRCA-BSS)

National Institutes of Health

Deadline **September 21**, annually

The Fogarty “International Research Collaboration- Behavioral, Social Sciences” Research Award (FIRCA-BSS) facilitates collaborative behavioral and social science research between scientists supported by the National Institutes of Health (NIH) and investigators in developing countries. Eligible principal investigators must either: (a) have current, eligible NIH-funded research and collaborate with a colleague from a laboratory or research site in an eligible developing country; or (b) currently be or formerly have been a Foreign Collaborator on a FIRCA awarded within the past seven years. The foreign collaborator/foreign P.I. must hold a position in an eligible country at an eligible public or private non-profit institution that will allow him/her adequate time and provide appropriate facilities to conduct the proposed research. Only one FIRCA application may be submitted by the same investigator or involve the same collaborator per review cycle

For more information: <http://grants.nih.gov/grants/guide/pa-files/PAR-05-073.html>.

MULTIPLE DISCIPLINES

Centers for Excellence to Promote a Healthier Workforce

National Institutes of Health

Deadline: Letter of Intent: **May 15, 2005**; Full Proposal: June 15, 2005

The National Institute for Occupational Safety and Health (NIOSH), Centers for Disease Control and Prevention (CDC), invites applications to establish Centers for Excellence to Promote a Healthier Workforce (Centers for Excellence). The purpose of the Centers for Excellence is to establish trans-disciplinary research, education and translation programs to facilitate the integration of health protection and health promotion in the workplace by taking a collaborative and innovative approach.

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

Open Call for Concept Papers (RFP 06-101)

Sunflower Foundation

Deadline: **May 15, 2005** (for Concept Papers)

The Sunflower Foundation is pleased to announce a new Request for Proposals, RFP 06-101. The first step in this funding opportunity is an Open Call for Concept Papers, which are due May 15, 2005. This is a comprehensive RFP across the foundation's three program areas: Access to Health Care; Capacity Building; and Healthy Behaviors and Prevention. The foundation will host briefings via teleconference on April 20 and 22, 2005, to discuss the RFP and answer questions from potential applicants. For complete information on this RFP, including instructions for participating in one of the briefings, please visit the foundation's Web site.

For more information: <http://www.sunflowerfoundation.org/> (click on "Funding Information and scroll down to "RFP 06-101").

Notice of FY 2005 Request for Applications for the Development and Coordination of an National Environmental Laboratory Network

U.S. Environmental Protection Agency

Deadline: **May 16, 2005**

This funding opportunity seeks to enhance the capacity and capability of environmental laboratories to respond to emergencies and potential terrorist attacks by 1) maximizing laboratory organization to handle a surge in environmental samples 2) developing water and general environmental laboratory methods and 3) facilitating the development/dissemination of tools to increase laboratory effectiveness. The successful applicant will assume a leadership role in expanding knowledge of water and general environmental laboratory administration and improve the capacity of laboratories to analyze the human health impact of environmental chemical exposure. EPA anticipates awarding a cooperative agreement of approximately \$600,000 to address the following priority topic areas: serve as a National Point of Contact for

state environmental laboratory membership in the Center for Disease Control (CDC) Laboratory Response Network; establish a National Environmental Laboratory “Home Base”; and organize and sponsor conferences/task forces/workgroups and training. Applications submitted must address approaches to all priority topic areas that facilitate the development of guidance, communications, and tools to increase nationwide environmental testing processes and procedures.

For more information: <http://cfpub.epa.gov/safewater/watersecurity/financeassist.cfm> (click on “Notice of FY 2005 Request for Applications for the Development and Coordination of an National Environmental Laboratory Network”).

Doctoral Dissertation Research Grant (DDRG)

U.S. Department of Housing and Urban Development

Deadline: **May 18, 2005**

The purpose of the DDRG program is to enable Ph.D. candidates enrolled at accredited institutions of higher education recognized by the U.S. Department of Education to complete their research and dissertations on policy-relevant housing and urban development issues. The FY 2005 DDRG program seeks to fund research studies that may impact federal problem solving and policymaking and that are relevant to HUD’s policy priorities and annual goals and objectives.

For more information:

<http://www.fedgrants.gov/Applicants/HUD/ODGMO/AT/FR-4950-N-07B/Grant.html>.

Early Doctoral Student Research Grant (EDSRG)

U.S. Department of Housing and Urban Development

Deadline: **May 18, 2005**

The purpose of the EDSRG program is to enable doctoral students enrolled at accredited institutions of higher education recognized by the U.S. Department of Education to cultivate their research skills through the preparation of research manuscripts that focus on policy-relevant housing and urban development issues.

For more information:

<http://www.fedgrants.gov/Applicants/HUD/ODGMO/AT/FR-4950-N-07/Grant.html>.

Child Care Bureau Research Scholars (Dissertation Grants)

Administration for Children and Families

U.S. Department of Health and Human Services

Deadline: **May 23, 2005**

The Administration for Children and Families’ (ACF), Administration on Children Youth and Families’ (ACYF), Child Care Bureau (CCB) announces the availability of funds to support new CCB Research Scholar projects in Fiscal Year 2005. The Research Scholar grants are designed

to increase the number of graduate students conducting dissertation research on child care issues that are consistent with the Bureau's research agenda (see solicitation for description of the agenda). Eligible applicants are institutions of higher education acting on behalf of graduate students who are pursuing a doctorate and who are completing a dissertation on child care issues. As the author of the grant proposal, the student is expected to have an approved dissertation proposal before the beginning of the grant period, September 30, 2005. All monies must be used for the student's dissertation research, including required personnel costs, travel, and other expenses directly related to the research.

For more information:

<http://www.acf.hhs.gov/grants/open/HHS-2005-ACF-ACYF-YE-0010.html>.

Request for Proposals for Projects to be Funded from the Region 7 Indoor Air Quality Allocation

U.S. Environmental Protection Agency (EPA)

Deadline: **May 26, 2005**

EPA is soliciting Proposals for projects which use outreach, education and/or training methods comparable to or consistent with such efforts as EPA's Smoke-free Home Pledge Campaign, the Indoor Air Quality (IAQ) Tools for schools kit, or asthma outreach and education campaign. Grants under the Clean Air Act, Section 103(b)(3), may be used to conduct and promote the coordination and acceleration of research, investigations, experiments, demonstrations, surveys, and studies relating to the causes, effects (including health and welfare effects), extent, reduction, prevention and control of air pollution.

For more information: http://www.epa.gov/region7/economics/r7_grant_opportunities.htm
(scroll down to "EPA-R7ARTD-05-004").

Foresight and the Future of Environmental Quality

U.S. Environmental Protection Agency

Deadline: **May 31, 2005**

Through a cooperative agreement, EPA's Office of Research and Development will fund efforts (projects) that promote the learning and application of foresight techniques among a diverse group of environmental stakeholders to improve long-range planning, inform decision making and support policy development. Potential Funding per Assistance Agreement: \$150,000/year for a period of 1 – 3 years. Proposals with budgets exceeding the total award limits will not be considered.

For more information:

<http://www.fedgrants.gov/Applicants/EPA/OGD/GAD/USEPA-ORD-OSP-05-01/Grant.html>.

Campus Suicide Prevention Grants Program

Substance Abuse and Mental Health Services Administration

U.S. Department of Health and Human Services

Deadline: **June 1, 2005**

The purpose of the Campus Suicide Prevention Grants Program is to provide funding to support grants to institutions of higher education to enhance services for students with mental and behavioral health problems that can lead to school failure, depression, substance abuse, and suicide attempts, so that students will successfully complete their studies. The amount of the awards is expected to be \$75,000 in total costs (direct and indirect), plus an equivalent match from the applicant organization, for a three year period.

For more information: http://www.samhsa.gov/grants/2005/nofa/sm05015_campus.aspx.

Evolution of Infectious Diseases

National Institutes of Health

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

This initiative encourages research on the evolutionary principles that underlie the emergence, spread, and containment of infectious disease. An explicit goal is to stimulate interdisciplinary research between (a) quantitative and computational sciences and (b) experimental, clinical, or field studies. Areas of particular interest include the evolution of pathogens, evolutionary dynamics of host-pathogen systems, and the consequences of intervention strategies. The focus of this program is limited to discovery of fundamental biological principles rather than to detailed knowledge or treatment of specific diseases.

For more information: <http://grants.nih.gov/grants/guide/pa-files/PA-05-079.html>.

NSF-Navy Civilian Service Fellowship-Scholarship Program

National Science Foundation

Deadline: **June 3, 2005**

This program invites university PI's who are currently supported by an NSF award from the NIRT, NSEC, ERC, STC, IGERT or large ITR programs to apply for support for their eligible students who are working in areas of interest to one of the Navy's R&D Centers. The funding will be provided for up to two years of fellowship/scholarship support plus a cost of education allowance. At the completion of their degrees, the students will accept civilian employment at a Navy R&D Center for one year for each year of support received. Areas of technical interest to the Navy are described along with relevant contact information at the following website: <http://www.nstarweb.com/careers.html>. Fundable proposals will provide clear evidence of collaboration with Navy R&D Centers both in the formulation of the proposal and the completion of the proposed research. Specifically, it is expected that appropriate Center personnel will serve on the advisory committee of the students who are supported in this program, play an active role in the development of a student's research project and its execution,

and will work with the student and the student's advisor to find suitable Center employment upon the student's graduation. It is expected that a student will spend some portion of each calendar year while supported by this program working at the collaborating Center on a summer internship or similar arrangement.

For more information: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf05582.

17th Annual Planetary Science Summer School

National Aeronautics and Space Administration

Deadline: **June 3, 2005**

Applications are due June 3, 2005, for NASA's 17th Annual Planetary Science Summer School, which will hold two sessions this summer, July 25-29 and August 1-5, at the Jet Propulsion Laboratory, Pasadena, California. Science and engineering post-doctoral and graduate students with a strong interest in careers in planetary exploration are encouraged to apply. Preference is given to U.S. citizens. The student teams will carry out the equivalent of an early concept study responsive to a selected NASA Announcement of Opportunity, prepare a proposal authorization review presentation, present it to a review board, and receive feedback. At the end of the week, students will have a clearer understanding of the relationships among mission design, cost, and schedule, and the trade-offs necessary to stay within cost and schedule while preserving the opportunity to acquire high-quality science. They will also understand the lifecycle of a space mission. Partial financial support is available to a limited number of individuals to help defray the expense of travel and lodging only. Applications are to be submitted electronically by June 3, 2005 at <http://www2.jpl.nasa.gov/pscischool/>.

For more information: <http://www2.jpl.nasa.gov/pscischool/>.

Healthy Homes Technical Studies Program

U.S. Department of Housing and Urban Development

Deadline: **June 8, 2005**

HUD is funding studies to improve HUD's knowledge of housing-related health hazards, and to improve or develop new hazard assessment and control methods, with a focus on the key residential health and safety hazards. The key residential health and safety hazards are described in detail in the full solicitation.

For more information:

<http://www.fedgrants.gov/Applicants/HUD/ODGMO/AT/FR-4950-N-26/Grant.html>.

Advanced Technologies and Concepts to Minimize Freshwater Use in Coal-Based Thermoelectric Power Plants

U.S. Department of Energy

Deadline: **June 10, 2005**

The objective of this solicitation is to receive applications for cost-shared research projects directed at minimizing freshwater use and consumption in the generation of coal-based thermoelectric power. Specifically, the solicitation will provide for the development of cost-effective solutions to emerging regulations and restrictions on water use and impacts on water quality associated with the generation of electricity by coal-fired power plants. All applications should clearly describe how a successful project will result in cost savings to operators and the magnitude of those savings relative to existing technology. The solicitation supports the overall goal of the Department of Energy/Office of Fossil Energy's Innovations for Existing Plants (IEP) Program to develop advanced technology and knowledgeable products that enhance the environmental performance of the existing fleet of coal-fired power plants.

For more information:

<https://e-center.doe.gov/iips/faopor.nsf/UNID/F12FEC51AB71414185256FDA00646B7C?OpenDocument>.

DDDAS: Dynamic Data Driven Applications Systems

National Science Foundation

Deadline: **June 13, 2005**

Information technology-enabled applications/simulations of systems in science and engineering have become as essential to advances in these fields as theory and measurement. This triad of approaches is used by scientists and engineers to analyze the characteristics and predict the behavior of complex systems and the applications that represent them. However, accurate and comprehensive analysis and prediction of the behavior of complex systems over time is difficult. With traditional simulation and measurement approaches, even elaborate computational models of such systems produce applications and simulations that diverge from or fail to predict real system behaviors. This solicitation focuses explicitly on Dynamic Data Driven Applications Systems (DDDAS), a promising concept in which the computational and experimental measurement aspects of a computing application are dynamically integrated, creating new capabilities in a wide range of science and engineering application areas. Consequently, DDDAS-funded projects are expected to make significant contributions to research advances in computational science and engineering, high-end computing, measurement methods, and cyberinfrastructure. DDDAS creates a rich set of new challenges for applications, algorithms, systems' software and measurement methods. The research scope described here requires strong, systematic collaborations between applications domain researchers and mathematics, statistics and computer sciences researchers, as well as researchers involved in the design and implementation of measurement methods and instruments. Consequently, most projects proposed in response to this solicitation are expected to involve teams of researchers. Following merit review of the proposals received, projects will be selected for support by NSF, the National Institutes of Health (NIH) and the National Oceanic and Atmospheric Administration (NOAA).

For more information: <http://www.nsf.gov/pubs/2005/nsf05570/nsf05570.htm>.

Community Outreach Partnership Centers Program (COPC)

U.S. Department of Housing and Urban Development

Deadline: **June 23, 2005**

The purpose of the Community Outreach Partnership Centers (COPC) program is to assist in establishing or carrying out outreach and applied research activities that address problems of urban areas. The program also seeks to encourage structural change, both within an institution and in the way the institution relates to its neighbors. Funding under this program shall be used to establish and operate local Community Outreach Partnership Centers (COPCs). The five key concepts that a COPC Program should include are: 1. Outreach activities and technical assistance to address multidimensional urban problems; 2. Empowerment efforts that engage community-based organizations and residents as partners with the institution throughout the life of the project and beyond; 3. Applied research related to the project's outreach activities (Note: Applicants are not required to undertake any research as part of their project and may apply for a project that is totally outreach focused); 4. Assistance to target communities primarily from the faculty, students, and to a limited extent by neighborhood residents and community-based organizations funded by the university; and 5. Support from the university's senior officials to make the program part of the institution's broader effort to meet its urban mission.

For more information:

<http://www.hud.gov/utilities/intercept.cfm?/offices/adm/grants/nofa05/copcsec.pdf>.

Research Initiation Grants and Career Advancement Awards to Broaden Participation in the Biological Sciences

National Science Foundation

Deadline: **July 5, 2005**

The Directorate for Biological Sciences (BIO) at NSF offers two funding opportunities under this solicitation 1) Research Initiation Grants (RIG) and 2) Career Advancement Awards (CAA), with the goal of broadening the participation of scientists from groups underrepresented in the biological sciences in the U.S. These activities seek to promote the development and retention of scientists from underrepresented groups and to increase the numbers of such individuals that serve as role models for the scientific workforce of the future. A specific goal is to increase the number of research proposals submitted to NSF by individuals from groups currently underrepresented in the biological sciences as well as from scientists at minority serving institutions so they can become actively and competitively engaged in research as independent investigators and, by so doing, create new research opportunities for students from underrepresented groups.

For more information: <http://www.nsf.gov/pubs/2005/nsf05581/nsf05581.htm>.

Faculty Early Career Development (CAREER) Program

National Science Foundation

Deadlines:

2005 Deadlines by NSF Directorate

July 19: BIO, CISE, EHR

July 20: ENG

July 21: GEO, MPS, SBE, OPP

CAREER: The Faculty Early Career Development (CAREER) Program is a Foundation-wide activity that offers the National Science Foundation's most prestigious awards in support of the early career-development activities of those teacher-scholars who most effectively integrate research and education within the context of the mission of their organization. Such activities should build a firm foundation for a lifetime of integrated contributions to research and education. NSF encourages submission of CAREER proposals from junior faculty members at all CAREER-eligible organizations and especially encourages women, members of underrepresented minority groups, and persons with disabilities to apply. Each Principal Investigator may only submit one CAREER proposal per annual competition. In addition, Principal Investigators may not participate in more than three annual competitions.

PECASE: Each year NSF selects nominees for the Presidential Early Career Awards for Scientists and Engineers (PECASE) from among the most meritorious new CAREER awardees. The PECASE program recognizes outstanding scientists and engineers who, early in their careers, show exceptional potential for leadership at the frontiers of knowledge. This Presidential Award is the highest honor bestowed by the United States Government on scientists and engineers beginning their independent careers.

For more information: <http://www.nsf.gov/pubs/2005/nsf05579/nsf05579.htm>.

Instrument Development for Biological Research (IDBR) Program

National Science Foundation

Deadline: **October 5, 2005**

The IDBR Program supports the development of novel or of substantially improved instrumentation likely to have a significant impact on the study of biological systems at any level. The development of new, or substantial improvement of existing, software for the operation of instruments, analysis of data, or the analysis of images is also supported where these have the effect of improving instrument performance. Proposals aimed at concept or proof-of-concept development for entirely novel instrumentation are encouraged. Support for the conduct of eligible activities in academic environments is emphasized.

For more information: <http://www.nsf.gov/pubs/2005/nsf05536/nsf05536.htm>.

SBE Doctoral Dissertation Research Improvement Grants

National Science Foundation

Deadlines: Vary by Program Area (see solicitation for specific deadlines)

The National Science Foundation's Division of Behavioral and Cognitive Sciences (BCS) and Division of Social and Economic Sciences (SES) award grants to doctoral students to improve the quality of dissertation research. These grants provide funds for items not normally available through the student's university. Additionally, these grants allow doctoral students to undertake significant data-gathering projects and to conduct field research in settings away from their campus that would not otherwise be possible. Proposals are judged on the basis of their scientific merit, including the theoretical importance of the research question and the appropriateness of the proposed data and methodology to be used in addressing the question. The program areas that award dissertation grants are: Archaeology; Cultural Anthropology; Decision Risk and Management; Political Science; Linguistics; Perception, Action and Cognition; Law and Social Science; Economics; Science and Technology Studies; Societal Dimension of Engineering Science and Technology; Physical Anthropology; Geography & Regional Science; and Sociology.

For more information: <http://www.nsf.gov/pubs/2005/nsf05574/nsf05574.htm>.