

Funding Opportunities Bulletin

January 2005

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

Click on the links below to go directly to the named section

[EDUCATION](#)

[ENGINEERING & COMPUTER SCIENCE](#)

[HUMANITIES](#)

[INTERNATIONAL AREA STUDIES](#)

[MEDICINE & LIFE SCIENCES](#)

[PHYSICAL SCIENCES & MATHEMATICS](#)

[SOCIAL SCIENCES](#)

[MULTIPLE DISCIPLINES](#)

EDUCATION

Research on Learning and Education (ROLE)

National Science Foundation

Deadlines: Letter of Intent: **January 14, 2005** and December 11, annually thereafter

Full Proposal: March 4, 2005 and January 10, annually thereafter

The ROLE program seeks to capitalize on important developments across a wide range of fields related to human learning and to Science, Technology, Engineering & Mathematics (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 STEM learning; (3) STEM learning in formal and informal educational settings; (4) STEM Policy research; and (5) The diffusion of STEM innovations. The ROLE Program aims to advance the knowledge base within and across the intersections of these multidisciplinary areas. It encourages projects that reconcile and integrate basic research and educational practice, and generate hypotheses from one disciplinary area that can be tested and refined in another.

For more information: <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf05529>.

Research in Disabilities Education (RDE)

National Science Foundation

Deadlines: Letter of Intent (optional): **March 7, 2005** for Demonstration, Enrichment, and Information Dissemination (RDE-DEI) and Focused-Research Initiatives (RDE-FRI) tracks only.

Preliminary Proposal (required): **February 28, 2005** for Regional Alliances for Persons with Disabilities (RDE-RAD) track only.

Full Proposal: April 18, 2005 for all program tracks.

The Research in Disabilities Education (RDE) program supports efforts to increase the participation and achievement of persons with disabilities in science, technology, engineering, and mathematics (STEM) education and careers. Meritorious projects from a diversity of institutions are supported via the RDE Demonstration, Enrichment, and Information

Dissemination (RDE-DEI) program track. Promising research efforts are also developed further under the Focused-Research Initiatives (RDE-FRI) program track. In the third program track, broadly applicable methods and products are disseminated for widespread use, commercialization, or inclusion in the activities of program-sponsored Regional Alliances for persons with disabilities in STEM education (RDE-RAD). RDE Alliances serve to inform the public, government, and industry about proven-good practices in the classroom, promote broader awareness of disabilities issues, and define specific areas of accessibility and human learning in need of further attention by educators and the research community.

For more information: <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf04610>.

Evaluative Research and Evaluation Capacity Building (EREC)

National Science Foundation

Deadlines: Letter of Intent: **March 31**, annually

Full Proposal: May 15, annually

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. Successful proposals may focus on one or more STEM education programs or projects in order to examine major issues in STEM education and/or may focus on the development of capacity within the education evaluation field.

For more information: <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf05529>.

ENGINEERING & COMPUTER SCIENCE

See also opportunities listed under EDUCATION and MULTIPLE DISCIPLINES

George E. Brown, Jr. Network for Earthquake Engineering Simulation Research (NEESR)

National Science Foundation

Deadline: Letter of Intent: **February 1, 2005**; Full Proposal: March 11, 2005

The National Science Foundation invites proposals for research that utilizes the George E. Brown, Jr. Network for Earthquake Engineering Simulation (NEES). NEES is a national, shared use experimental resource for advancing knowledge and technology to improve the design and performance of the Nation's civil and mechanical infrastructure when subjected to earthquake excitation and tsunamis. NEES became operational for research and education activities on October 1, 2004, and will be operational through September 30, 2014. Projects proposed and funded under this solicitation must utilize one or more of the NEES equipment sites and the NEESgrid cyberinfrastructure operated by NEESinc. Proposals may be submitted in three categories: Grand Challenge, Small Group, and Individual Investigator. Optional "payload" and "cyberinfrastructure tool" project components may be submitted as part of the proposal.

For more information: <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf05527>.

New and Innovative Ideas for Advanced Technology Exploitation

U.S. Army Space and Missile Defense Command (USASMDC)

Deadline: Proposals accepted anytime until the announcement closure on November 9, 2005

The U.S. Army Space and Missile Defense Command (USASMDC) Defense Advanced Research Projects Agency (DARPA) Office, Huntsville, AL, announces interest in receiving research and development proposals with technical and cost presentations. Proposals submitted should include new ideas and advanced and innovative concepts for current and emerging principles. The technology proposal categories are: Sensor Technologies; Systems Technologies; and Hardware/Software Technologies. DARPA requests that offerors first submit a summary white paper for preliminary consideration. Summary white papers may be submitted at any time through the expiration of this announcement (November 9, 2005).

For more information:

http://www.smdc.army.mil/Contracts/BAA/W9113M_05_0009/W9113M_05_0009.doc. (Word Document)

HUMANITIES

Consultation Grants for Television Projects

National Endowment for the Humanities (NEH)

Deadline: **February 1, 2005**

NEH supports television projects that are designed for national broadcast and that will engage diverse public audiences in the ideas, approaches, and resources of the humanities. Consultation grants enable television professionals to confer with humanities scholars in the earliest stages of developing programs to ensure that the humanities themes and questions are well conceived and that the project is informed by significant scholarship. Television projects may be single programs or multi-part series. They can also be documentary programs or historical dramatizations.

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

We the People Challenge Grants in United States History, Institutions, and Culture

National Endowment for the Humanities (NEH)

Deadline: **February 1, 2005**

As part of its We the People initiative, NEH invites proposals for challenge grants designed to help institutions and organizations secure long-term improvements in and support for humanities activities focused on exploring significant themes and events in American history. NEH is particularly interested in projects that advance knowledge of the founding principles of the United States in their full historical and institutional context. Grants may be used to support long-term costs such as construction and renovation, purchase of equipment, acquisitions, and conservation of collections. Grants may also be used to establish or enhance endowments that generate expendable earnings for program activities. With the exception of elementary and secondary schools or school districts, any U. S. nonprofit institution (public agency or private

nonprofit organization) working wholly or in part with the humanities may apply for a challenge grant. Restrictions in the regular NEH challenge grants program regarding subsequent challenge grants do not apply to We the People challenge grants.

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

Summer Seminars and Institutes

National Endowment for the Humanities (NEH)

Deadline: **March 1, 2005**

Grants for Summer Seminars and Institutes support national faculty development programs in the humanities for school teachers and for college and university teachers. Seminars and institutes may be as short as two weeks or as long as six weeks. The duration of a program should allow for full and thorough treatment of the topic. Summer seminars and institutes: extend and deepen knowledge and understanding of the humanities by focusing on significant topics, texts, and issues; enhance the intellectual vitality and professional development of participants; build a community of inquiry and provide models of excellent scholarship and teaching; and promote effective links between teaching and research in the humanities. The host site must be appropriate for the project, providing facilities for scholarship and collegial interaction. The 2004 competition will be for programs to be conducted in summer 2006.

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

Consultation Grants for Libraries, Museums, and Special Projects

National Endowment for the Humanities

Deadline: **March 22, 2005**

Consultation grants help museums, libraries, historical organizations, or community organizations develop a new public humanities project or chart a new interpretive direction of an existing program. They support the costs of conferring with a team of advisors to help identify key humanities themes and questions during the early stages of a project's development. Public humanities programs promote lifelong learning for broad public audiences in fields such as history, literature, comparative religion, and philosophy, and other fields of the humanities. They go beyond the presentation of factual information to encourage thought and conversation about humanities ideas and questions. Projects that offer new insights into familiar subjects and use innovative formats and non-traditional ways of engaging audiences are welcome, as are projects with interdisciplinary perspectives.

For more information: <http://www.neh.gov/grants/guidelines/public-consult.html>.

Radio Project Grants—Consultation Grants and Development and Production Grants
National Endowment for the Humanities (NEH)
Deadline: **March 22, 2005**

The goal of NEH in supporting projects for radio is two-fold: to increase the presence of the humanities within radio programming; and to use the variety and creativity of radio production to engage public audiences in the ideas, approaches, and resources of the humanities. *Consultation grants* support the earliest stages of developing humanities programs for radio. Producers, radio stations, and other non-profit organizations may use these grants to consult with humanities scholars about the content of proposed radio programs. Radio stations and organizations may use these grants to assess existing programs, evaluate archives and resources, and consult with scholars about ways of using these resources to produce humanities radio programming. Organizations and producers that have never received an NEH grant are especially encouraged to apply. *Development grants* enable producers and scholars to develop the content and format and to prepare the programs for production. These grants cover a wide range of activities, including meetings and individual consultation with humanities scholars, field and archival research, preliminary interviews, preparation of program treatments, and, if desired, production of pilots. The product of development grants should be detailed program descriptions or treatments. *Production grants* enable producers and scholars to continue their engagement with humanities topics, and they support the production and postproduction of programs. Production grants can also be used to support the creation of companion websites for radio programs.

For more information: Consultation Grants:

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

Development and Production Grants:

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

Fellowships

National Endowment for the Humanities

Deadline: **May 1, 2005**

Fellowships support individuals pursuing advanced research in the humanities that contributes to scholarly knowledge or to the general public's understanding of the humanities. Applicants may be faculty or staff members of colleges or universities, or of primary or secondary schools, or independent scholars or writers. Fellowships provide support for projects that can be completed during the tenure of the award, as well as for work that is part of a long-term endeavor. Recipients usually produce scholarly articles, monographs on specialized subjects, books on broad topics, archaeological site reports, translations, editions, or other scholarly tools.

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

Preservation Assistance Grants

National Endowment for the Humanities

Deadline: **May 16, 2005**

Preservation Assistance Grants help small and mid-size libraries, museums, historical societies, archival repositories, and underserved departments and units within colleges and universities and other larger institutions--improve their ability to preserve and care for their humanities collections. These collections may include special collections of books and journals, archives and manuscripts, prints and photographs, moving images, sound recordings, architectural and cartographic records, decorative and fine arts, textiles, archaeological and ethnographic artifacts, furniture, and historical objects. Successful applicants will be awarded an outright grant of either \$2000, \$3500, or \$5000.

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

INTERNATIONAL AREA STUDIES

Eurasia Program Teaching Fellowship

Social Science Research Council

Deadline: **January 26, 2005**

The Eurasia Program Teaching Fellowship supports faculty members, at all career levels, wishing to create and implement significantly revised or wholly new university courses, on or related to any of the New States of Eurasia, the Soviet Union, and/or the Russian Empire. Applicants must be US citizens or permanent residents to apply.

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

Europe and Eurasia Development and Public/Private Alliances

United States Agency for International Development (USAID)

Deadline: Concept Papers: **June 3, 2005**

The Bureau for Europe and Eurasia (E&E) of the United States Agency for International Development (USAID) invites prospective partner organizations to form public-private alliances to carry out activities in support of the Bureau's international development objectives. Alliance partners are expected to bring significant new resources, ideas, technologies, and/or partners to address development problems in countries where the Bureau is currently working. Successful applications will bring at least a 1:1 resource matching to focus on priority development activities within the Bureau's strategic interests. Projects in the following areas will be considered: Agriculture, Enterprise Development, and Trade Capacity-Building; Anti-Corruption/Governance/Civil Society Strengthening; Conflict/Relief and Humanitarian Assistance; Education; Environment/Energy; Health; Information Technology. Proposals will be accepted in a two-stage process, beginning with the submission of concept papers. Concept papers will be accepted by E&E between March 1, 2005 and June 3, 2005; early submission is

encouraged. Step Two will be the submission and evaluation of proposals invited by the E&E Bureau.

For more information:

<http://www.fedgrants.gov/Applicants/AID/OP/WAS/M-OAA-APS-EE-100/Attachments.html>.

MEDICINE & LIFE SCIENCES

See also listings under EDUCATION and MULTIPLE DISCIPLINES

New Methodologies for Natural Products Chemistry

National Institutes of Health

Deadline: Letter of Intent: **January 3, 2005**; Full Proposal: January 24, 2005

The Institutes and Centers (ICs) of the NIH invite applications for funding from the NIH Molecular Libraries Roadmap program for the development of novel methodologies related to natural products chemistry. The goal of this RFA is to stimulate the development of a new generation of methods for natural products chemistry, and in doing so, to reinvigorate the investigation of nature as a prolific source of small-molecules with the potential to interact with all of the proteins that participate in cellular processes in health and disease. The NIH intends to commit up to \$3 million dollars in Fiscal Year 2005 for an anticipated 8-10 new grants.

For more information: <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-05-013.html>.

Pilot-Scale Libraries for High-Throughput Screening

National Institutes of Health

Deadlines: Letter of Intent: **January 14, 2005**; Full Proposal: February 15, 2005

The Institutes and Centers (ICs) of the NIH invite applications for funding from the NIH Molecular Libraries Roadmap program for the generation of pilot-scale chemical diversity libraries. These libraries will be used for high-throughput biological screening by the Molecular Libraries Screening Center Network (MLSCN). Acceptable approaches will include: 1) chemical synthesis, including combinatorial chemistry/diversity-oriented synthesis; and/or 2) isolation and purification of bioactive compounds from natural sources such as microorganisms, marine organisms, or plants. Projects supported should be driven by a strong scientific rationale that highlights the potential for in vivo and/or in vitro biological activity. NIH strongly encourages the submission of applications that target unexplored regions of chemical diversity space and as accordingly have particular promise for perturbing the functions of novel classes of biomacromolecules. In FY 2005 NIH intends to commit up to \$3.5 million for 8-12 new grants.

For more information: <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-05-014.html>.

Application of Emerging Technologies for Cancer Research

National Cancer Institute (NCI)

National Institutes of Health

Deadlines: Letters of Intent: **January 17, 2005**; May 17, 2005; September 18, 2005

Full Proposal: February 17, 2005; June 17, 2005; October 18, 2005

The NCI invites applications for research projects to evaluate the usefulness of emerging technologies that are ready for initial application to clinical or biological questions in cancer research. This RFA will use NIH R21/R33 Phased Innovation Award and the R33 Exploratory/Developmental Phase 2 award mechanisms. NCI intends to commit approximately \$3,000,000 in FY 2006 to fund six to eight new and/or competing continuation grants in response to this RFA. An applicant may request a project period of up to 3 years for an R33 and up to 4 years for a combined R21/R33, of which the R21 portion may be no more than 2 years.

For more information: <http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-06-003.html>.

Innovative Technologies for Molecular Analysis of Cancer

National Cancer Institute (NCI)

National Institutes of Health

Deadlines: Letters of Intent: **January 17, 2005**; May 17, 2005; September 18, 2005

Full Proposal: February 17, 2005; June 17, 2005; October 18, 2005

The NCI invites applications for research projects to evaluate the usefulness of emerging technologies that are ready for initial application to clinical or biological questions in cancer research. This RFA will use NIH R21 Exploratory/Developmental and the R33 Exploratory/Developmental Phase II award mechanisms. NCI intends to commit approximately \$3,000,000 in FY 2006 to fund 10 to 15 new and/or competing continuation grants in response to this RFA. An applicant may request a project period of up to 2 years and a budget for direct costs of up to \$275,000, in keeping with standard R21 mechanism guidelines. An applicant may request a project period of up to 3 years for an R33.

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

Developing Outcome Measures for Young Children

National Institutes of Health

Deadlines: Letter of Intent: **January 27, 2005**; Full Proposal: February 24, 2005

This initiative will support projects to develop new tools and/or strategies to measure outcomes in specific areas of young children's development for which appropriate measurement tools and/or strategies do not currently exist. Particularly important are projects to develop tools and strategies appropriate for diverse populations, to measure critical constructs. Measures should also be appropriate for large-scale utilization and able to assess change over time. Projects should develop tools and/or strategies from a theoretical base, validate the approach, and establish basic psychometric data on the tool/strategy during the award period. The expectations

for projects funded under the solicitation are drawn largely from recommendations emanating from the previously described workshop on conceptual frameworks, constructs, and measures.

For more information: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-04-026.html>.

Preventing Mitochondrial Oxidative Stress in Diabetes and Obesity

National Institutes of Health

Deadlines: Letter of Intent: **January 27, 2005**; Full Proposal: February 24, 2005

Hyperglycemia is a significant causative factor for the complications of diabetes mellitus, which results in significant morbidity and mortality for millions of Americans. Recent advances on the cellular effects of hyperglycemia places the overproduction of reactive oxygen species (ROS) by the mitochondrial electron transport chain as a strong candidate for the core abnormality that leads to other biochemical and cellular defects and the resulting tissue injury. The purpose of this RFA is to encourage the translation of these recent advances into therapies that can interrupt the increase in mitochondrial ROS and prevent their role in diabetic complications. R01 and R21 applications from qualified principal investigators are invited for basic or clinical studies for discovering and characterizing molecular targets, agents and assays related to the accumulation of mitochondrial ROS secondary to hyperglycemia. The participating institutes plan on contributing \$2.5 million to fund 5-10 new awards with project periods of 2-4 years.

For more information: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DK-05-001.html>.

Seed Grant Program

The Nancy R. Gelman Foundation (NRGF)

Deadline: **January 31, 2005**

The Nancy R. Gelman Foundation (NRGF) announces its 2005 Seed Grant Program, which seeks to award grants of \$500-\$1500 to fund projects aimed at improving outcomes for women with breast cancer. Projects for which a seed grant may be awarded must: 1. Demonstrate a need for start-up, interim, or supplemental funding within the period of April 1, 2005 to April 1, 2006; 2. Not already be funded by other sources; and 3. Prospectively state an objective outcome measure which will be used to gauge project success.

For more information: http://www.nrgf.org/grant_application.html.

R21 Grants for Alzheimer's Disease Drug Discovery

National Institutes of Health

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

In this Program Announcement, participating institutes invite qualified researchers to submit research grant applications directed toward the discovery, development, and preclinical testing in cellular, tissue, and animal models of novel compounds for the prevention and treatment of the

cognitive impairment and behavioral symptoms associated with Alzheimer's disease (AD). Applications submitted to the NIH will be assigned and reviewed according to the usual NIH peer review procedures. Meritorious applications will be funded by the assigned NIH Institutes or co-funded by the assigned NIH Institute and the ISOA. NIA has set-aside \$1.5 Million total costs in FY 2005 for applications sent in response to this PA.

For more information: <http://grants.nih.gov/grants/guide/pa-files/PAS-05-022.html>.

Myeloproliferative Disease Research Program (MPDRP)

Congressionally Directed Medical Research Programs (CDMRP)

US Army Medical Research and Materiel Command (USAMRMC)

Deadlines: Letter of Intent: **February 8, 2005**; Full Proposal: March 8, 2005

This program solicitors research on polycythemia vera, idiopathic myelofibrosis, and essential thrombocytosis as related to understanding the altered regulation, differentiation, and proliferation of the relevant hematopoietic and bone marrow stromal cells. Since military personnel are at risk for multiple environmental exposures (chemical, biological, and radiation) that may result in bone marrow alterations and consequent DNA damage, the program is especially seeking proposals that provide insight into the occurrence of DNA damage, DNA repair, development of clonal disease, and bone marrow microenvironment influences, among others, in the context of the myeloproliferative disorders. Proposals addressing the etiology, treatment, and/or eradication of these disorders are especially sought. Proposals must address the military relevance of the proposed research to be compliant with this solicitation. Submission of a letter of intent is required.

For more information:

[https://cdmrp.org/Program Announcements and Forms/index.cfm?prg=MPDRP&prg_fy=2004](https://cdmrp.org/Program%20Announcements%20and%20Forms/index.cfm?prg=MPDRP&prg_fy=2004).

Peer Reviewed Medical Research Program (PRMRP)—Supplement

Congressionally Directed Medical Research Programs (CDMRP)

US Army Medical Research and Materiel Command (USAMRMC)

Deadlines: Letter of Intent: **February 8, 2005**; Full Proposal: March 8, 2005

The USAMRMC has been directed to conduct innovative research and development with specific goals and endpoints. Based on congressional guidance published in previous fiscal years' Defense Appropriations Acts, the PRMRP was established to provide support for military health-related research of clear scientific merit. Thus, proposals submitted to the FY05 PRMRP must be scientifically meritorious and must clearly explain the military relevance of the proposed efforts. Proposals will be assessed based on how they complement existing DOD research. The submission of a Letter of Intent (LOI) is required to facilitate this objective. Proposed research must address one of the health areas listed in the PRMRP supplement (see full announcement for details).

For more information:

[https://cdmrp.org/Program Announcements and Forms/index.cfm?prg=PRMRP&prg_fy=2005](https://cdmrp.org/Program%20Announcements%20and%20Forms/index.cfm?prg=PRMRP&prg_fy=2005).

Prostate Cancer Research Program—Clinical Trial Development Award

Congressionally Directed Medical Research Programs (CDMRP)
US Army Medical Research and Materiel Command (USAMRMC)
Deadline: **February 8, 2005**

The intent of the Clinical Trial Development Award is to provide support to establish the necessary collaborations and develop the necessary research resources that will serve as a foundation for investigator-initiated clinical trials. The goal of these awards is the development of Phase I or Phase II clinical trial(s) that will have a major impact on the treatment, diagnosis, detection, or prevention of prostate cancer. As such, they should focus on new interventions and not on the refinements of existing interventions. Funds may not be used to support laboratory or preclinical research.

For more information: <http://cdmrp.army.mil/funding/05pcrp.htm>.

Prostate Cancer Research Program—Exploration–Hypothesis Development Award (EHD)

Congressionally Directed Medical Research Programs (CDMRP)
US Army Medical Research and Materiel Command (USAMRMC)
Deadline: **February 8, 2005**

The intent of the Exploration–Hypothesis Development Award is to provide funds to support initial exploration of innovative, untested, potentially groundbreaking concepts in prostate cancer. Awards can be requested for a maximum of \$75,000 for direct costs for up to an 18-month performance period, plus indirect costs as appropriate.

For more information: <http://cdmrp.army.mil/funding/05pcrp.htm>.

Prostate Cancer Research Program—Idea Development Award (IDA)

Congressionally Directed Medical Research Programs (CDMRP)
US Army Medical Research and Materiel Command (USAMRMC)
Deadline: **February 8, 2005**

The intent of the Idea Development Award is to encourage innovative approaches to prostate cancer research from established prostate cancer investigators and established investigators in other fields who want to move into prostate cancer research. Proposals are sought across all areas of laboratory, clinical, behavioral, and epidemiological research, including clinical trials. All Idea Development Award proposals must include preliminary data relevant to prostate cancer research and the proposed project.

For more information: <http://cdmrp.army.mil/funding/05pcrp.htm>.

Prostate Cancer Research Program—New Investigator Award
Congressionally Directed Medical Research Programs (CDMRP)
US Army Medical Research and Materiel Command (USAMRMC)
Deadline: **February 8, 2005**

The intent of the New Investigator Award is to recognize and support independent investigators within 6 years of their last fellowship or postdoctoral position who have innovative ideas and new technologies applicable to prostate cancer research and treatment. Awards can be requested for a maximum of \$225,000 for direct costs for up to a 3-year performance period, plus indirect costs as appropriate.

For more information: <http://cdmrp.army.mil/funding/05pcrp.htm>.

Prostate Cancer Research Program—Postdoctoral Traineeship Award (POSTDOC)
Congressionally Directed Medical Research Programs (CDMRP)
US Army Medical Research and Materiel Command (USAMRMC)
Deadline: **February 8, 2005**

The intent of Postdoctoral Traineeship Awards is to enable recent doctoral degree graduates to extend ongoing research related to prostate cancer or to broaden the scope of their research to include work relevant to prostate cancer under the guidance of a designated mentor. This award is open to doctoral-level postgraduate researchers with limited postdoctoral experience, including Ph.Ds with 3 years or less postdoctoral experience at the time of proposal submission, and MDs with at least 2 years of residency training remaining at the time of proposal submission.

For more information: <http://cdmrp.army.mil/funding/05pcrp.htm>.

Prostate Cancer Research Program—Predoctoral Traineeship Award (PREDOC)
Congressionally Directed Medical Research Programs (CDMRP)
US Army Medical Research and Materiel Command (USAMRMC)
Deadline: **February 8, 2005**

The intent of Predoctoral Traineeship Awards is to support promising graduate students studying prostate cancer under the guidance of a designated mentor. These awards are to support the trainee during dissertation research rather than during rotations or basic course work. Applicants must be graduate students who have successfully completed their comprehensive examinations or otherwise met predissertation requirements and are under the guidance of a designated mentor. Individuals enrolled in M.D./Ph.D. programs are encouraged to apply. Awards can be requested for a maximum of \$100,000 inclusive of direct and indirect costs for up to 3 years.

For more information: <http://cdmrp.army.mil/funding/05pcrp.htm>.

Small Grants Program

The Society for Biomolecular Screening (SBS)

Deadline: **February 18, 2005**

The Purpose of the SBS Small Grants Program is to provide start-up or “seed” funding for research projects with potential to advance the disciplines, technologies, and skills involved in screening and molecular discovery, including the support of graduate or undergraduate training in these areas. The program supports projects that may have an applied focus that may involve radically new concepts. The awards are made in the amount up to \$15,000 to the applicant’s institution with indirect costs up to 25%. The funding period is up to one year but applicants may apply for additional funding. Funding may not be used to support the salary of the applicant, but may be used for other personnel, including stipend support. Other permitted expenditures include equipment, supplies and other costs associated with training or conducting the research project. Applicants must be employed full time in a college, university or not-for-profit research institute in order to serve as principal investigators.

For more information:

http://www.sbsonline.org/awards_grants/sgapplications.php?CFID=284625&CFTOKEN=35787418.

Biotechnology Risk Assessment Research Grants Program

U.S. Department of Agriculture

Deadline: **February 24, 2005**

The purpose of the BRAG program is to assist Federal regulatory agencies in making science-based decisions about the effects of introducing into the environment genetically modified organisms, including plants, microorganisms (including fungi, bacteria, and viruses), arthropods, fish, birds, mammals and other animals excluding humans. Investigations of effects on both managed and natural environments are relevant. The BRAG program accomplishes its purpose by providing Federal regulatory agencies with scientific information derived from the risk assessment research that it funds.

For more information: http://www.csrees.usda.gov/funding/rfas/biotech_risk.html.

Lung Cancer Discovery Award

American Lung Association and LUNGeivity Foundation

Deadline: **March 1, 2005**

The American Lung Association and LUNGeivity Foundation announce a new award offering: the Lung Cancer Discovery Award. This award(s) will provide funding for investigators seeking to develop novel medical treatments or a cure for lung cancer. Awards will be for a maximum of \$100,000 per year for up to two years.

For more information: <http://www.kintera.org/TR.asp?ID=M66297816495844710197365>.

Partnerships for Enhancing Expertise in Taxonomy (PEET)

National Science Foundation

Deadline: **March 07, 2005**

In partnership with academic institutions, botanical gardens, freshwater and marine institutes, and natural history museums, the National Science Foundation seeks to enhance taxonomic research and help prepare future generations of experts. Through its Special Biennial Competition in Systematic Biology, NSF will support competitively reviewed projects that target groups of poorly known organisms for modern monographic research. Projects must train new taxonomists (two per project minimally) and must translate current expertise into electronic databases and other products with broad accessibility to the scientific community.

For more information: <http://www.nsf.gov/pubs/2004/nsf04606/nsf04606.htm>.

Poplar Genome Based Research for Carbon Sequestration in Terrestrial Ecosystems

U.S. Department of Energy

Deadline: **March 8, 2005**

The U.S. Department of Energy announces its interest in receiving applications for the Poplar Genome Based Research for Carbon Sequestration in Terrestrial Ecosystems program. Research is requested that could lead to strategies to improve the use of trees within the genus *Populus*, or other trees, for long-term sequestration of meaningful amounts of atmospheric carbon in terrestrial ecosystems. Specifically, applications are sought for research to use the poplar and/or microbial genomic sequences to enhance partitioning of carbon into quantitatively important recalcitrant components of trees or soil organic matter that could lead to enhanced carbon sequestration. Research should build on the recently completed genomic sequence of a female black cottonwood tree and, when relevant, the availability of a growing number of microbial genomic sequences to obtain the scientific understanding needed to select, breed, or manage trees to meaningfully enhance sequestration of carbon in tree biomass and/or the soil.

For more information: <http://www.science.doe.gov/grants/FAPN05-10.html>.

Assembling the Tree of Life (ATOL)

National Science Foundation

Deadline: **March 28, 2005**; March 27, 2006

Currently, single investigators or small teams of researchers are studying the evolutionary pathways of heredity usually concentrating on phylogenetic groups of modest size. Assembly of a framework phylogeny, or Tree of Life, for all 1.7 million described species requires a greatly magnified effort by large teams working across institutions and disciplines. This is the overall goal of the Assembling the Tree of Life activity. The National Science Foundation announces its intention to continue support of multidisciplinary teams to conduct creative and innovative research that will resolve phylogenetic relationships for large groups of organisms on the Tree of

Life. Teams of investigators also will be supported for projects in data acquisition, analysis, algorithm development and dissemination in computational phylogenetics and phyloinformatics.

For more information: <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf05523>.

Postdoctoral Research Fellowships in Biological Informatics

National Science Foundation

Deadlines: **April 11, 2005**; April 10, 2006

The Postdoctoral Research Fellowships in Biological Informatics supports recent recipients of the doctoral degree for research and training in developing and using computational, statistical, and other tools in the collection, organization, dissemination, and use of information to solve problems in biology. The research and training plan of each fellowship is expected to address important scientific questions in contemporary biology and include a strong linkage between computer, information, and computational science and biology and develop and/or apply state-of-the-art informatics tools or approaches to the stated problem. The fellowship award amount is \$60,000 per year for two or three years as determined when the fellowship is offered. For research starter grants, NSF provides up to \$50,000 depending on the amount of start-up funds provided by the institution to the former Fellow.

For more information: <http://www.nsf.gov/pubs/2004/nsf04539/nsf04539.html>.

Infectious Agents in the Origins of Chronic Lung Disease

National Heart, Lung, and Blood Institute (NHLBI)

National Institutes of Health

Deadlines: Letter of Intent: **April 17, 2005**; Full Proposal: May 17, 2005

The NHLBI invites applications for research projects that will investigate the contribution of known or unknown infectious agents, or infectious agents-derived bioproducts, to the early origin of chronic lung diseases in humans. Novel, high risk studies that employ state of the art technologies in the areas of molecular biology, genomics and proteomics are encouraged. The NHLBI anticipates making 10-12 awards.

For more information: <http://grants.nih.gov/grants/guide/rfa-files/RFA-HL-05-005.html>.

U.S. Army Medical Research and Materiel Command BAA 04-01

U.S. Army Medical Research and Materiel Command

Deadlines: Vary by Research Area

This Broad Agency Announcement (BAA) provides a general description of the Command's research programs, including specific areas of interest; general information; the evaluation and selection criteria; and proposal preparation instructions. Research proposals are sought from educational institutions, nonprofit organizations and private industry. This is a continuously open

announcement; preproposals may be submitted and will be evaluated at any time throughout the year, unless timeframes are stated in a separate announcement. Research Areas of Interest are: a.) Military Infectious Diseases Research Program, b.) Combat Casualty Care Research Program; c.) Military Operational Medicine Research Program; d.) Medical Biological Defense Research Program; e.) Medical Chemical Defense Research Program; f.) Telemedicine and Advanced Technology Program; and g.) Special Programs. See the full BAA for complete details.

For more information: http://www.usamraa.army.mil/pages/Baa_Paa/baa_04_1.cfm.

PHYSICAL SCIENCES & MATHEMATICS

See also listings under EDUCATION and MULTIPLE DISCIPLINES

Call For Proposals For Project Columbia High-end Computing Resources

National Aeronautics and Space Administration

Deadline: **January 14, 2005**

NASA's Science Mission Directorate (SMD) solicits proposals for using the recently installed Project Columbia supercomputer system to support currently funded research investigations in Earth and space science. Only investigators who are currently funded by SMD are eligible to apply, and proposals must address research investigations that have been selected through peer review process for support by SMD. Selected proposals will receive allocations of computing resources for the calendar year 2005 and will be eligible to receive technical support on the Columbia supercomputer system. No direct funding will be provided through this allocation process. Future allocation opportunities will be announced at approximately six-month intervals.

For more information: https://columbia.reisys.com/ames/pc/submission/Dear_Colleague.html.

Hubble Space Telescope Call for Proposals for Cycle 14

Space Telescope Science Institute (STScI)

National Aeronautics and Space Administration

Deadline: Phase I Proposals: **January 25, 2005**

We invite scientists to participate in Cycle 14 of the Hubble Space Telescope (HST). The telescope and its instruments were built under the auspices of the National Aeronautics and Space Administration (NASA) and the European Space Agency (ESA). Management of HST's scientific program is carried out by the Space Telescope Science Institute (STScI). We anticipate allocating about 3000 orbits in Cycle 14, including up to 1000 orbits for Large and Treasury proposals, with the remainder allocated to regular GO Programs. An additional 500-1000 SNAPSHOT targets may also be allocated.

For more information: http://www.stsci.edu/hst/HST_overview/.

Research in Innovative Approaches to High Energy Density Physics in Fusion Energy Sciences

U.S. Department of Energy

Deadlines: Letter of Intent: **January 25, 2005**; Full Proposal: February 3, 2005

The U.S. Department of Energy (DOE) announces its interest in receiving grant applications for research in innovative approaches to high energy density physics in fusion energy sciences. DOE has a broad program of science-based research to develop the knowledge base needed for an economically and environmentally attractive fusion energy source in the long term. One of the approaches to fusion energy is based on inertial fusion, which seeks to produce fusion reactions by creating plasmas of extremely high density and using inertia to contain momentarily the extreme pressure generated by the fusion burning plasma. In order for inertial fusion to achieve significant energy production, it will be necessary to develop attractive physics pathways for providing the necessary conditions for ignition and burn. In turn, these conditions will require states of matter with extremely high energy density (HED). The physics of matter at such high energy densities is an emerging field that cuts across many areas of science. A Letter-of-Intent to submit an application is required.

For more information: <http://www.science.doe.gov/grants/FAPN05-07.html>.

Collaboration in Mathematical Geosciences (CMG)

National Science Foundation

Deadline: **March 14, 2005**; February 1, 2006; February 1, 2007

The purposes of the Collaboration in Mathematical Geoscience activity are: (A) to enable collaborative research at the intersection of mathematical sciences and geosciences, and to encourage cross-disciplinary education through (B) summer graduate training activities and (C) opportunities for interdisciplinary post-doctoral research. Research topics under (A) should fall within one of three broad themes: (1) mathematical and statistical modeling of large, complex geosystems, (2) representing uncertainty in geosystems, or (3) analyzing large geoscience data sets. Research projects supported under this activity must be essentially collaborative in nature. Research groups must include at least one mathematical scientist and at least one geoscientist.

For more information: <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf05535>.

Stewardship Science Academic Alliances Program (SSAA)

U.S. Department of Energy

Deadline: **March 18, 2005**

The Stockpile Stewardship Program (SSP) is a scientific approach to ensure the safety, reliability, and performance of the nuclear stockpile in the absence of nuclear testing. The stewardship mission stresses increased fundamental understanding of physical phenomena associated with stockpile performance, safety, and reliability, as well as the preservation and enhancement of core science and technology competencies within the National Nuclear Security Administration/Defense Programs (NNSA/DP) complex. As part of the SSP program, the SSAA

program will consider applications for university-based research in the field of physical sciences that are relevant to stockpile stewardship and which fall within the areas of research supported by the NNSA/DP Office of Research, Development and Simulation. All work funded through this program is to be unclassified.

For more information:

<https://e-center.doe.gov/iips/faopor.nsf/UNID/A70F89D208EB46E285256F540065CB22?OpenDocument>.

University-Industry Cooperative Research Programs in the Mathematical Sciences

National Science Foundation

Deadline: **June 2, annually**

Technical innovations flourish through a symbiotic relationship between academia and industry. The mathematical sciences provide the foundation for the scientific progress that generates technical innovations. It is in the national interest to provide more opportunities for mathematical scientists to have the experience of conducting research in an industrial environment and for industrial scientists to return periodically to academia, to acquire new knowledge, and to move it efficiently into technology. The Division of Mathematical Sciences (DMS) supports this relationship through the university-industry postdoctoral research fellowships, university-industry senior research fellowships, industry-based graduate research assistantships, and industry-based graduate cooperative fellowships described in this solicitation.

For more information: <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf05504>.

SOCIAL SCIENCES

See also listings under EDUCATION, HUMANITIES, INTERNATIONAL AREA STUDIES, and MULTIPLE DISCIPLINES

Grants for Domestic Public Policy and International Security and Foreign Policy

Smith Richardson Foundation

Deadline: Proposals accepted anytime

The International Security and the Foreign Policy Program and Domestic Public Policy Program make grants for research and writing on public policy topics that have been identified as priority areas for the Foundation. Those priorities are described in greater detail on the Foundation's website. The Foundation also offers special programs (with deadlines in late June) in the above areas for junior faculty. For regular research grants, white papers are required as a preliminary step. For the junior faculty programs applicants should submit full proposals according to the program guidelines.

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

MULTIPLE DISCIPLINES

Interdisciplinary Training: Behavior, Environment and Biology

National Institutes of Health

Deadlines: Letter of Intent: **January 14, 2005**; Full Proposal: February 11, 2005

This postdoctoral, institutional National Research Service Award (NRSA) will support the establishment of innovative programs that provide formal coursework and research training in a new interdisciplinary field to individuals holding advanced degrees in a different discipline. These training programs are required to include a behavioral or social science discipline. The NIH is especially interested in training programs that integrate the behavioral and/or social sciences with the more traditional biomedical sciences. It is anticipated that approximately \$800,000 in total costs will be awarded. Three to five awards are anticipated. This RFA will use the Ruth L. Kirschstein NRSA institutional research training grant (T32) mechanism.

For more information: <http://grants.nih.gov/grants/guide/rfa-files/RFA-RM-05-010.html>.

Solid State Energy Conversion Alliance (SECA) Core Technology Program

U.S. Department of Energy

Deadline: **January 18, 2005**

The Solid State Energy Conversion Alliance (SECA) Core Technology Program seeks to develop science and technologies that address specific technical challenges and barriers faced by the SECA Industrial Teams. The DOE intends for SECA Industrial Teams to develop a 3kilowatt (kW) - 10kW solid-oxide fuel cell system including stack and balance of plant that has a Factory Cost of \$400/kW by 2010. The goal is to develop solid-oxide fuel cell power systems that have broad applicability via use of mass customization techniques. Development of solid-oxide fuel cell power systems that are applicable to stationary, mobile, and military applications with minimal differences in core module components is desired. DOE considers the development of "high power density" solid-oxide fuel cells an important component for meeting the 2010 cost goal. A goal of DOE is to encourage the high volume entry of one or more fuel cell systems developed in the SECA program into one or more commercial markets at the earliest possible date. This SECA Core Technology announcement focuses on specific sub-areas of interest under two Core Technology areas of interest: Materials, and Fuel Processing.

For more information:

<http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-PS26-05NT42350-00/Modification1.html>.

HHMI-NIBIB INTERFACES Initiative for Interdisciplinary Graduate Research Training

Howard Hughes Medical Institutes / National Institute of Biomedical Imaging & Bioengineering

Deadlines: Letter of Intent: **January 20, 2005**; Full Proposal: June 15, 2005

Howard Hughes Medical Institute (HHMI) and the National Institute of Biomedical Imaging and Bioengineering (NIBIB) have formed a new partnership to support biomedical research

institutions in developing graduate-level research training programs in emerging interdisciplinary fields. The initiative will consist of two phases. Phase I, described in this announcement, will be funded by HHMI and will support the establishment of new interdisciplinary training programs. HHMI will award up to \$10 million in grants to as many as 10 institutions. The grant term will be three years, and the total award for each grant will be a maximum of \$1 million. Phase II, funded by NIBIB, will sustain the training programs through their critical early years. The competition for Phase II funding will be open only to recipients of Phase I grants. There is no limit on the number of letters of intent submitted from any single institution, but only two full proposals will be accepted from a single institution. An internal competition will be held prior to the full proposal deadline if more than two letters of intent are submitted from KU.

For more information: <http://www.hhmi.org/grants/institutions/nibib.html>.

NIDCD Translational Research Grants

National Institutes of Health

Deadlines: Letters of Intent: **January 22, 2005**, October 22, 2005, June 22, 2006, January 22, 2007

Full Proposals: February 22, 2005, November 22, 2005, July 22, 2006, February 22, 2007

The NIDCD is encouraging applications in translational research in the NIDCD mission areas of hearing, balance, smell, taste, voice, speech and language. Although there are no funds set-aside for this initiative, applications will be reviewed by an institute special review group. It is anticipated that a total of three to six grants will be awarded each cycle in response to this solicitation. The intent of this PAR is to provide a new avenue for basic scientists and clinicians or clinical scientists to jointly explore, initiate and conduct translational research projects. The scope of this PAR includes a range of activities to encourage translation of basic research findings to have a practical impact on the diagnosis, treatment and prevention of communication disorders. Multi-institutional, multi-disciplinary, and academic-industrial collaborations studies are encouraged. This PAR is not intended for outcome studies, the extension of ongoing clinical research studies, or the optimization of current clinical protocols.

For more information: <http://grants.nih.gov/grants/guide/pa-files/PAR-05-023.html>.

Robert Noyce Scholarship Program

National Science Foundation

Deadlines: Internal Competition: **January 26, 2005**

Letter of Intent (optional): February 28, 2005; Full Proposal: March 31, 2005

The Robert Noyce Scholarship program seeks to encourage talented science, technology, engineering, and mathematics majors and professionals to become K-12 mathematics and science teachers. The program provides funds to institutions of higher education to support scholarships, stipends, and programs for students who commit to teaching in high need K-12 schools. An institution, on its own or as a member of a consortium, may submit no more than one proposal per competition. An internal competition has been announced. Interested parties

should contact Barbara Earl (bearl@ku.edu, 864-7781) regarding the internal competition, the deadline for which is January 26, 2005.

For more information: <http://www.nsf.gov/pubs/2005/nsf05528/nsf05528.htm>.

NLM Grants for Scholarly Works in Biomedicine and Health

National Library of Medicine

National Institutes of Health

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

NLM Grants for Scholarly Works in Biomedicine and Health are awarded for the preparation of book-length manuscripts and other scholarly works of value to U.S. health professionals, public health officials, biomedical researchers and historians of the health sciences. NLM anticipates making 9-12 new awards each year, spending approximately \$1.4 million per year to support new awards in this program. The total amount awarded and the number of awards will depend upon the quality, duration, and costs of the applications received.

For more information: <http://grants.nih.gov/grants/guide/pa-files/PA-05-025.html>.

Research on Mind-Body Interactions and Health

National Cancer Institute (NCI)

National Institutes of Health

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

Through the Institutes, Centers, and Offices participating in this initiative, the National Institutes of Health (NIH) invite applications in support of research on mind-body interactions and health. “Mind-body interactions and health” refers to the relationships among cognitions, emotions, personality, social relationships, and health. A central goal of this program is to encourage interdisciplinary collaboration and innovation towards understanding the processes underlying mind-body interactions and health as well as towards the application of such basic knowledge to interventions and clinical practice in the promotion of health and the prevention or treatment of disease and disabilities.

For more information: <http://grants.nih.gov/grants/guide/pa-files/PA-05-027.html>.

Stripper Well Consortium Request for Proposals

Stripper Well Consortium (SWC)

Pennsylvania State University

Deadline: **February 8, 2005**

The mission of the SWC is to assist in the development, demonstration, and commercialization of technologies to improve the production performance of the nation’s natural gas and petroleum stripper wells. Proposals are solicited from the SWC Full and Supporting Members in the

following three focus areas: *Reservoir remediation, characterization, and operations*; *Well-bore clean-up*; and *Surface and collection optimization*. Awards will be made on an annual basis. Subcontracts will be issued from The Pennsylvania State University to the successful applicant. The period of performance for the 2005 funding cycle will be from June 1, 2005 to May 31, 2006. Members will be permitted to submit future proposals to extend the proposed work; however, this must be performed on an annual basis.

For more information: <http://www.energy.psu.edu/swc/proposal.shtml>.

Cancer Nanotechnology Platform Partnerships

National Cancer Institute
National Institutes of Health

Deadlines: Letter of Intent: **February 25, 2005**; Full Proposal: March 25, 2005

The National Cancer Institute invites applications for research project grants to support development of nanotechnology platforms for basic, applied, and translational multi-disciplinary research that uses nanotechnology (e.g., nanoscale devices or nanomaterials less than 1000 nm in size, although the assembly, synthesis, and/or fabrication of components at dimensions less than 300 nm should be demonstrated) in cancer research. Proposed projects will be eligible for consideration if they address one or more of the following thematic/programmatic areas of focus: molecular imaging and early detection, in vivo imaging, reporters of therapeutic efficacy, multifunctional therapeutics, prevention and control of cancer, and research enablers. The NCI intends to commit approximately 7 million dollars in FY 2005 to fund approximately 10 new grants in response to this RFA. An applicant may request a project period of up to 5 years and a budget for total costs up to 1 million dollars per year.

For more information: <http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-05-026.html>.

Centers of Cancer Nanotechnology Excellence

National Cancer Institute
National Institutes of Health

Deadlines: Letter of Intent: **February 25, 2005**; Full Proposal: March 25, 2005

The NCI invites applications from investigators interested in participating in an initiative to establish up to five Centers for Cancer Nanotechnology Excellence (CCNEs). The CCNEs will be a national resource that will integrate the basic and clinical sciences with engineering to develop and apply nanotechnology to cancer research to accelerate the application of this science to the clinic. The NCI intends to commit approximately \$90.8 M in FY 2005-2009 (approximately \$20 M in FY 2005) to fund up to five CCNEs. Any individual with the skills, knowledge, and resources necessary to carry out the proposed research is invited to work with his or her institution to develop an application for support. An individual can be the PI on only one application submitted under this announcement.

For more information: <http://grants.nih.gov/grants/guide/rfa-files/RFA-CA-05-024.html>.

National Research Initiative Competitive Grants Program (NRI)

Cooperative State Research, Education, and Extension Service

U.S. Department of Agriculture

Deadlines: Vary by opportunity area from **March 1, 2005** – **June 15, 2005**

The NRI Program provides research, extension, and education grants that address key problems of national, regional, and multi-state importance in sustaining all components of agriculture (farming, ranching, forestry including urban and agroforestry, aquaculture, rural communities, human nutrition, processing, etc.). NRI is accepting applications for fundamental research, mission-linked research, and integrated research, extension, and education projects. CSREES defines specific program opportunities in which it is interested in receiving proposals at various times throughout the year. The following opportunities have deadlines from **March through June, 2005**: Animal and Plant Biosecurity; Watershed Processes and Water Resources; Air Quality; Human Nutrition and Obesity; Animal Growth and Nutrient Utilization; Animal Genomics; Animal Genome Reagent and Tool Development; and Functional Genomics of Agriculturally Important Organisms. Please consult the NRI solicitation for complete information.

For more information: <http://www.csrees.usda.gov/funding/nri/nri.html>.

Oil and Gas Program Solicitation 2005 (Master Announcement)

U.S. Department of Energy

Deadline: **March 1, 2005**

The Oil and Gas Funding Opportunity supports research that supplements and complements but does not duplicate or displace private and other public research and development efforts. The overall purpose is to expand the knowledge base through which industry can bring additional production and reserves and new technology options into the marketplace in a cost effective and environmentally acceptable manner. One objective of the Funding Opportunity is to select research projects that will focus on cost effectively improving and demonstrating nearly developed and current oil technologies. A second objective of this Funding Opportunity is to encourage and promote innovative research and development efforts resulting in the development of advanced technologies or methodologies which will maintain and enhance the integrity, reliability, and security of the Nation's natural gas transmission and distribution pipeline network and advanced storage facilities.

For more information:

<https://e-center.doe.gov/iips/faopor.nsf/UNID/25D8DC8B0BEE030485256F5C00755BE8?OpenDocument>.

Sensors and Sensor Networks

National Science Foundation

Deadline: **March 3, 2005**

The National Science Foundation (NSF), through the Directorate for Engineering, the Directorate for Geosciences, and the Office of Polar Programs, announces a broad

interdisciplinary program of research and education in the area of advanced sensor development. This solicitation seeks to advance fundamental knowledge in engineering of materials, concepts and designs for new sensors; networked sensor systems in a distributed environment; terrestrial, atmospheric, and aquatic environmental analysis; the integration of sensors into engineered systems; and the interpretation and use of sensor data in decision-making processes.

For more information: <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf05526>.

Synthesis of Arctic System Science

National Science Foundation

Deadline: **March 18, 2005**

This solicitation is for research that synthesizes our understanding of the arctic system. The arctic system is a set of interconnected and interacting physical, biological, and human components and processes in the northern region influenced by the existence of perennial ice (sea ice, ice sheets, glaciers, permafrost, etc.). Research efforts supported will build on and integrate the wealth of existing data and knowledge to advance our understanding of the behavior of the arctic system or key subsets of the system and to understand the role it plays in the global system and society.

For more information: <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf05525>.

Postdoctoral Fellowship Opportunities from The Center for Curriculum Materials in Science

The Center for Curriculum Materials in Science (CCMS)

Deadline: none listed

The Center for Curriculum Materials in Science (CCMS) offers innovative postdoctoral opportunities for candidates who wish to become leaders in science education. CCMS unites the top-ranked education programs of Michigan State University, Northwestern University, and the University of Michigan, in collaboration with Project 2061 of the American Association for the Advancement of Science (AAAS). Supported by funding from the National Science Foundation, the Center's mission is to: (1) develop national leadership capacity at the doctoral level to support the design, selection, and implementation of excellent K-12 science curriculum materials; (2) conduct research on questions of national importance relating to science curriculum materials; and (3) design and test models of professional development to aid teachers and other professionals in the selection and implementation of science curriculum materials. Applicants are accepted from individuals with at PhD in a science discipline, science education, or a related field.

For more information: http://www.sciencematerialscenter.org/programs_overview.htm.

Research Supplements to Promote Diversity in Health-Related Research

National Institutes of Health

Deadline: Applications accepted anytime

The NIH hereby notifies Principal Investigators holding specific types of NIH research grants (listed in the full announcement) that funds are available for administrative supplements to improve the diversity of the research workforce by supporting and recruiting students, postdoctorates, and eligible investigators from groups that have been shown to be underrepresented. Administrative supplements must support work within the scope of the original project. All NIH awarding components participate in this program. Candidates eligible for support under this supplement program include individuals at various career levels who come from groups that have been shown to be underrepresented in science.

For more information: <http://grants.nih.gov/grants/guide/pa-files/PA-05-015.html>.