

Funding Opportunities Bulletin

August 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

[BUSINESS](#)

[EDUCATION](#)

[ENGINEERING & COMPUTER SCIENCE](#)

[FINE ARTS](#)

[HUMANITIES](#)

[INTERNATIONAL AREA STUDIES](#)

[MEDICINE & LIFE SCIENCES](#)

[PHYSICAL SCIENCES & MATHEMATICS](#)

[SOCIAL SCIENCES](#)

[MULTIPLE DISCIPLINES](#)

BUSINESS

See also opportunities listed under MULTIPLE DISCIPLINES

FY 2005 National Technical Assistance: Research and Evaluation

Economic Development Administration

U.S. Department of Commerce

Deadline: **August 18, 2005**

This project is a follow-up to the Competitiveness in Rural U.S. Regions: Learning and Research Agenda study prepared by Professor Michael E. Porter and the Institute of Strategy and Competitiveness in 2004. The proponent is expected to undertake both of the following two (2) comprehensive research projects and to produce the deliverables outlined in the full solicitation. Due to the scope of the two (2) research projects, EDA encourages proposals from consortia of academic researchers, practitioners and/or consultants. *Research Project 1 – Further analysis of existing raw data:* EDA is interested in the further analysis of existing raw data as EDA believes that there are many open issues that existing data can address. For example, with respect to the linkages between rural and neighboring metropolitan regions, the existing data is sufficient to address the specific differences in cluster composition. Ideally, the proponent will act as the depository for the unsuppressed raw data on the county level. EDA contemplates providing a budget to allow the proponent to further develop, analyze and maintain the cluster mapping data. *Research Project 2 – Rural Clusters of Innovation Project:* The big gap in the understanding of rural regions is the lack of data on the quality of business environments. In conjunction with the research efforts described above, a key expectation is a major and comprehensive study on the quality of business environment similar to the Clusters of Innovation: Regional Foundations of U.S. Competitiveness (2001) project by Professor Michael E. Porter. The proponent's study should encompass one rural region and include a regional implementation plan based on an inventory of regional assets produced during the study. The implementation segment of the project will ensure that the research undertaken will drive immediate action to develop a comprehensive economic development strategic plan for the region.

For more information: <http://www.eda.gov/InvestmentsGrants/FFON.xml> (click on FY 2005 National Technical Assistance: Research and Evaluation)

EDUCATION

See also opportunities listed under MULTIPLE DISCIPLINES

Disability Rehabilitation Research Projects (CFDA Number 84.133A-1)

U.S. Department of Education

Deadline: **September 13, 2005**

The purpose of this program is to plan and conduct research, demonstration projects, training, and related activities that help to maximize the full inclusion and integration of individuals with disabilities into society and to improve the effectiveness of services authorized under the Rehabilitation Act of 1973, as amended. Under this solicitation The Assistant Secretary for Special Education and Rehabilitative Services intends to fund a National Center for the Dissemination of Disability Research to serve as a lead center in the area of Knowledge Translation/Knowledge Dissemination and Utilization. This center will ensure that NIDRR constituencies have ready access to high-quality, research-based information that has the potential to improve the lives of individuals with disabilities. The total funding (including direct and indirect costs) for a 12 month budget period may not exceed \$750,000.

For more information: <http://www.ed.gov/programs/drrp/applicant.html#84133a1>.

Rehabilitation Research and Training Centers (RRTC), CFDA Number 84.133B-1

U.S. Department of Education

Deadline: **September 12, 2005**

The U.S. Department of Education solicits proposals for the Rehabilitation Research And Training Centers (RRTC) Program for Children With Disabilities Who Have Special Health Care Needs (CFDA 84.133B-1), authorized under the Rehabilitation Act of 1973, as amended. The purpose of this program is to award grants to eligible applicants to plan and conduct research, demonstration projects, training, and related activities that help to maximize the full inclusion and integration of individuals with disabilities into society and to improve the effectiveness of services authorized under the Rehabilitation Act of 1973, as amended (Act). USDE intends to fund one new RTTC. The maximum amount in any year for this competition is \$800,000 and includes both direct and (15%) indirect costs. Interested parties are invited to participate in a pre-application meeting to discuss the funding priority and to receive information and technical assistance through individual consultation about the funding priority. The pre-application meeting will be held on August 4, 2005. Interested parties may participate in this meeting either in person or by conference call at the U.S. Department of Education, Office of Special Education and Rehabilitative Services.

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

ENGINEERING & COMPUTER SCIENCE

See also opportunities listed under MULTIPLE DISCIPLINES

Technology for Agile Coherent Optical Transmission Architecture (TACOTA)

Defense Advanced Research Projects Agency (DARPA)

Deadline: **August 26, 2005**

The Defense Advanced Research Projects Agency (DARPA) is soliciting innovative research proposals in the areas of coherent optical transmitters/receivers and phase-preserving wideband nonlinear mixers supporting the need for AGILE free-space optical communication links for challenging military applications. Digital coherent optical communications with agility in wavelength, waveform and symbol rate provides a direct path to increased capacity on demand, receiver sensitivity, link availability and immunity to jamming/eavesdropping for dynamically changing tactical environments. Proposed research should investigate innovative coherent transmitter/receiver, nonlinear optical mixer and channel compensation approaches that enable revolutionary advances in optical transmission capabilities. Specifically excluded is research that primarily results in evolutionary improvement to the existing state of practice.

For more information:

<http://www.fedgrants.gov/Applicants/DOD/DARPA/CMO/BAA05-36/listing.html>.

Analog-to-Information (A-to-I)

Defense Advanced Research Projects Agency (DARPA)

Deadline: **August 30, 2005**

DARPA is soliciting proposals for investigations of alternatives to standard analog-to-digital converter (ADC) technology implementing the usual quantized Shannon representation; i.e. uniform discretized samples at the Nyquist rate or better. In many applications involving radar, electronic warfare, and/or communications, a broadband electromagnetic environment must be measured and digitized, forcing the conversion process to be implemented extremely rapidly. Often this conversion must also be extremely precise and accurate, so that the resulting digital data can be reliably and efficiently mined for weak signals of interest embedded in a strong RF background. Taken together, these requirements severely stress current ADC technology. The A-to-I program will begin with a one year study aimed at determining the fundamental performance limitations of such approaches, as well as how they might be implemented in practical data converters in the near future. In this context the study goal is to determine the minimum sampling required to characterize and reproduce with no information loss a particular signal of interest, and determine explicit mechanisms for achieving this in practice. Proposed research should investigate innovative approaches that enable revolutionary advances in data conversion. Specifically excluded is research that primarily results in evolutionary improvements to the existing state of practice in RF receiver technology.

For more information: <http://www.fbo.gov/spg/ODA/DARPA/CMO/BAA05-35/Attachments.html>.

Integrated Learning

Defense Advanced Research Projects Agency (DARPA)

Deadline: **September 14, 2005**, in order to be considered during the initial evaluation phase.

The Defense Advanced Research Projects Agency (DARPA) Information Processing Technology Office (IPTO) is soliciting proposals for a new program called Integrated Learning. This program will develop computer software, called an Integrated Learner, which learns general plans or processes from human users by being shown one example. Integrated Learners will accomplish this by opportunistically assembling knowledge from many different sources, including generating it by reasoning, in order to learn. Applications include learning air-tasking-order (ATO) planning or CAD design processes. The Integrated Learning technology will enable low-cost military decision/planning support systems. Proposals are due September 14, 2005, in order to be considered during the initial evaluation phase. However, BAA 05-43, Integrated Learning will remain open until 12:00 NOON (ET) July 11, 2006.

For more information:

<http://www.fedgrants.gov/Applicants/DOD/DARPA/CMO/BAA05-43/listing.html>.

Reversible Barrier (ReBar)

Defense Advanced Research Project Agency (DARPA)

Deadline: **September 14, 2005**

The goal of the Reversible Barrier (ReBar) program is to develop barriers that can be rapidly emplaced and reversed to allow fluid US force movement. This new generation of barrier technology should have a set of features including (a) light-weight and portable; (b) very strong and resistant to various types of attack; (c) quick and easy to install; and (d) rapidly reversible only for U.S. and allied personnel. Both indoor and outdoor barriers must be applicable to a range of sizes (e.g., inside: doorways, windows, and hallways; outside: bridges, urban roads, and alleys); however the technologies for inside and outside barriers do not necessarily have to be the same. Finally, the reversible barrier technology developed through ReBar must be safe for troops to use and must not pose unacceptable environmental hazards. A Bidder's Conference will be held at the Southwest Research Institute® (SwRI® - San Antonio Texas), August 17-18, 2005.

For more information: <http://rebar.swri.org>.

FINE ARTS

Grants

Andy Warhol Foundation for the Visual Arts

Deadlines: **September 1** and March 1, annually

Grants are made on a project basis to curatorial programs at museums, artists' organizations and other cultural institutions to originate innovative and scholarly presentations of contemporary

visual arts. Projects may include exhibitions, catalogues and other organizational activities directly related to these areas.

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

Grants

Elizabeth Firestone Graham Foundation

Deadlines: Letter of Intent (required): **September 1** and April 1, annually

Funding from the Elizabeth Firestone Graham Foundation is available to support direct costs for: exhibition catalogues and brochures; publications related to the grantee organizations and its programs or collections; on- and off-site exhibitions and installations; visiting artist programs; film projects in their final completion phase (funds for film projects are very limited). The Foundation does not provide grants for individuals, general operating expenses, capital campaigns or endowment funds, and prefers one-time special projects that are originated by the applying organization. Requests for projects that take place within one year of the request will be given priority consideration. Grant amounts typically range from \$5,000 to \$20,000.

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

HUMANITIES

See also opportunities listed under MULTIPLE DISCIPLINES

Summer Stipends

National Endowment for the Humanities

Deadline: Internal Nomination Deadline: **September 12, 2005** internal applications due at Hall Center for the Humanities; October 3, 2005 nominated applications due at NEH.

Awards are for \$5,000 for two consecutive months of full-time research and writing in the humanities. Faculty members teaching full-time at colleges and universities must be nominated by their institutions to apply for a Summer Stipend. Applications should be submitted online by faculty only after they have been nominated. Each college and university in the United States and its jurisdictions may nominate two faculty members. Of the two, at least one should be a junior nominee. The Hall Center for the Humanities administers the KU nomination competition.

For more information: <http://www.neh.gov/grants/guidelines/stipends.html>. For information on the internal nomination process: <http://www.hallcenter.ku.edu> (click on Faculty Development, then Hall Center Competitions, and then NEH Summer Stipend Competition)

Consultation Grants for Museums, Libraries, and Special Projects

National Endowment for the Humanities

Deadline: **September 16, 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 advisers 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>.

Planning Grants for Museums, Libraries, and Special Projects

National Endowment for the Humanities

Deadline: **September 16, 2005**

Planning grants support the refinement of the content and interpretive approach of projects prior to implementation. Applicants should have already identified the appropriate humanities content of their projects and consulted with scholars and programming advisers. Public humanities programs promote lifelong learning in history, literature, comparative religion, philosophy, and other fields of the humanities for broad public audiences. They go beyond the presentation of factual information and encourage thought and conversation about humanities ideas and questions.

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

ACLS Fellowships (including ACLS/SSRC/NEH International & Area Studies Fellowships, and ACLS/New York Public Library Fellowships)

American Council of Learned Societies

Deadline: **September 28, 2005**

The ACLS Fellowship Program invites research applications in all disciplines of the humanities and humanities-related social sciences. The Fellowship stipend is set at three levels based on academic rank: up to \$30,000 for Assistant Professor and career equivalent; up to \$40,000 for Associate Professor and career equivalent; and up to \$50,000 for full Professor and career equivalent. Approximately 20 fellowships will be available at each level, with an additional 22 Mellon Fellowships available to Assistant Professors.

For more information: <http://www.acls.org/felguide.htm>.

Charles Ryskamp Research Fellowships

American Council of Learned Societies

Deadline: **September 28, 2005**

These fellowships support advanced assistant professors and untenured associate professors in the humanities and related social sciences whose scholarly contributions have advanced their fields and who have well designed plans for new research. The fellowships are intended to provide time and resources to enable these faculty members to conduct their research under optimal conditions. The ACLS will award up to 12 Ryskamp Fellowships in the 2005-2006 competition. Each fellowship carries a stipend of \$64,000, a fund of \$2,500 for research and travel, and an additional 2/9 of the stipend (\$14,222) for one summer's support, if justified by a persuasive case.

For more information: <http://www.acls.org/rysguide.htm>.

Frederick Burkhardt Residential Fellowships for Recently Tenured Scholars

American Council of Learned Societies

Deadline: **September 28, 2005**

These fellowships support long-term, unusually ambitious projects in the humanities and related social sciences. They are intended to support an academic year (normally nine months) of residence at any one of nine national residential research centers. The award includes an academic year's leave funded by ACLS under the Burkhardt Fellowship Program, with a stipend of \$75,000; A summer's support (usually estimated at 2/9 salary) and/or equivalent reduction of teaching and administrative duties at some point in the post-fellowship stage, funded by the home institution; and the workplan should be devised to take maximum advantage of existing leave and/or sabbatical policies at home institutions.

For more information: <http://www.acls.org/burkguid.htm>.

National Historical Publications and Records Commission (NHPRC) Grants

National Archives and Records Administration

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

For the *June 1 deadline*, the Commission is currently concentrating its resources on three equal strategic goals within its broader mission. These goals include:

- 1.) The NHPRC will provide the American public with widespread access to the papers of the founders of our democratic republic and its institutions by ensuring the timely completion of eight projects now in progress to publish the papers of George Washington, John Adams, Benjamin Franklin, Thomas Jefferson, James Madison, and papers that document the Ratification of the Constitution, the First Federal Congress, and the early Supreme Court.
- 2.) The NHPRC will promote broad public participation in historical documentation by collaborating with State Historical Records Advisory Boards to plan and carry out jointly funded

programs to strengthen the nation's archival infrastructure and expand the range of records that are protected and accessible.

3.) The NHPRC will enable the nation's archivists, records managers, and documentary editors to overcome the obstacles and take advantage of the opportunities posed by electronic technologies by continuing to provide leadership in funding research-and-development on appraising, preserving, disseminating, and providing access to important documentary sources in electronic form.

For the *October 1 deadline* the Commission will consider all other projects, including publication projects other than the eight Founding Era editions, projects in archival preservation, processing, and description, and projects to develop archival tools and techniques. These include:

- 1.) collecting, describing, preserving, compiling, and publishing (including microfilming and other forms of reproduction) of documentary sources significant to the history of the United States.
- 2.) conducting institutes, training and educational programs, and fellowships related to the activities of the Commission.
- 3.) disseminating information about documentary sources through guides, directories, and other technical publications.
- 4.) or more specifically: documentary editing and publishing (other than those editions funded against the June 1 deadline); archival preservation and processing of records for access; developing or updating descriptive systems; creation and development of archival and records management programs; development of standards, tools, and techniques to advance the work of archivists, records managers, and documentary editors; and promotion of the use of records by teachers, students, and the public.

For more information: <http://www.archives.gov/nhprc/apply/program.html>.

Woodrow Wilson Fellowships

Woodrow Wilson International Center for Scholars

Smithsonian Institution

Deadline: **October 1, 2005**

The Center awards 20-25 residential fellowships annually to individuals with outstanding project proposals in a broad range of the social sciences and humanities on national and/or international issues. Topics should intersect with questions of public policy or provide the historical and/or cultural framework to illumine policy issues of contemporary importance. While the Center does not engage in formulating actual policy, it is particularly interested in those projects that help provide the essential background against which current issues can be more thoroughly understood. The Center tries to ensure that the stipend provided under the fellowship, together with the fellow's other sources of funding (e.g., grants secured by the applicant and sabbatical allowances), approximate a fellow's regular salary.

For more information: <http://wwics.si.edu/index.cfm?fuseaction=fellowships.welcome>.

National Humanities Center Fellowships

National Humanities Center

Deadline: **October 15, 2005**

The National Humanities Center offers 40 residential fellowships for advanced study. Applicants must hold doctorate or have equivalent scholarly credentials, and a record of publication is expected. Both senior and younger scholars are eligible for fellowships, but the latter should be engaged in research other than the revision of a doctoral dissertation. Fellowships are for the academic year. Scholars from any nation and humanistically inclined individuals from the natural and social sciences, the arts, the professions, and public life, as well as from all fields of the humanities, are eligible. Fellowships up to \$50,000 are individually determined, the amount depending upon the needs of the Fellow and the Center's ability to meet them.

For more information: <http://www.nhc.rtp.nc.us/fellowships/appltoc.htm>.

INTERNATIONAL AREA STUDIES

See also opportunities listed under HUMANITIES and MULTIPLE DISCIPLINES

East European Studies Grants

Woodrow Wilson International Center for Scholars

Deadlines: Short-Term Grants: **September 1, 2005**

Residential Research Scholar: December 1, 2005

With funding provided by Title VIII (The Act for Research and Training for Eastern Europe and Independent States of the Former Soviet Union), EES offers Residential Research Scholar grants, Short-Term Grants to scholars working on policy relevant projects on East Europe. Special consideration will be given to projects on Southeast Europe, or projects that can be credibly linked to issues in the Western Balkans. Projects should focus on fields in the social sciences and humanities including, but not limited to: Anthropology, History, Political Science, Slavic Languages and Literatures, and Sociology.

For more information:

http://wwics.si.edu/index.cfm?topic_id=1422&fuseaction=topics.item&news_id=5989.

FY2006 International Educators Program

U.S. Department of State

Deadline: **September 9, 2005**

The U.S. Department of State's Bureau of Educational and Cultural Affairs (ECA) and the Office of Global Educational Programs announce an open competition to administer a new semester-long International Educators Program for outstanding secondary-level teachers from Southeast Asia, the Near East, South Asia (except Afghanistan) and Russia. The total grant award for program and administrative purposes is anticipated to be \$1,650,000. Public and private non-

profit organizations meeting the provisions described in Internal Revenue Code section 26 USC 501(c)(3) may submit proposals to cooperate with the Bureau in the administration and implementation of the FY2006 International Educators Program.

For more information: <http://www.exchanges.state.gov/education/rfgps/aug26rfgp.htm>.

ACLS/SSRC/NEH International & Area Studies Fellowships

American Council of Learned Societies

Deadline: **September 28, 2005**

The ACLS Fellowship Program invites research applications in all disciplines of the humanities and humanities-related social sciences. The Fellowship stipend is set at three levels based on academic rank: up to \$30,000 for Assistant Professor and career equivalent; up to \$40,000 for Associate Professor and career equivalent; and up to \$50,000 for full Professor and career equivalent. Approximately 20 fellowships will be available at each level, with an additional 22 Mellon Fellowships available to Assistant Professors.

For more information: <http://www.acls.org/felguide.htm>.

MEDICINE & LIFE SCIENCES

See also opportunities listed under MULTIPLE DISCIPLINES

Asthma and Allergic Diseases Cooperative Research Centers

National Institutes of Health

Deadline: Internal Competition: **August 1, 2005**

Letter of Intent (not required): September 12, 2005

Full Proposal: October 12, 2005

This program will support integrated basic and clinical research centers to conduct studies on the immunologic mechanisms underlying the onset and progression of asthma and allergic diseases. The overarching goal of the program is to improve the diagnosis and treatment of asthma and allergic diseases, and to provide a rational foundation for the development of effective prevention strategies. A minimum of two research projects is required. At least one project must propose a clinical study of individuals with clinically defined asthma and/or allergic diseases or a study involving human specimens. The NIAID intends to commit approximately \$11 million in FY 06 to fund seven to ten new and/or competing continuation grants, for a project period of up to five years. An institution may submit one application. If you are interested in submitting to this initiative, please submit (1) a three-page pre-proposal (describing the proposed center, including key personnel, generalized yearly budget) and (2) a short vita for the principal investigator and all co-investigators, including funding history and current and pending support. Please submit this material electronically to Barbara Earl, manager of Proposal Services at KUCR, by 5:00 p.m. on August 1, 2005 (bearl@ku.edu, 864-7781). If the number of pre-proposals exceeds the mandated limit, an internal review committee will be formed to review all pre-proposals. The committee's intent is to select a proposer by August 15, 2005, thereby giving

the proposer four weeks to submit the LOI (not required), and an additional four weeks to prepare for the full proposal submission. If you have any questions about the solicitation or the process described above, please contact Barbara Earl.

For more information: <http://grants.nih.gov/grants/guide/rfa-files/RFA-AI-05-027.html>

2006 Searle Scholars Program

The Chicago Community Trust

Deadlines: Internal Competition: **August 8, 2005**

Agency Deadline: September 30, 2005

The Searle Scholars Program is intended to support the independent research careers of outstanding individuals in biochemistry, cell biology, genetics, immunology, neuroscience, pharmacology, and related areas in medicine, chemistry and the biological sciences. Normally, grants of \$80,000 per year for three years will be made to tax-exempt institutions, 501(c)(3). For eligibility requirements and further details. No more than two applications will be accepted from any one institution. Interested scholars should submit (1) a two-page preliminary proposal describing the proposed research, (2) a generalized yearly budget, and (3) a curriculum vita, including funding history and current and pending support. Please submit this material electronically to Barbara Earl, manager of Proposal Services at KUCR, by 5:00 p.m. on August 8, 2005 (bearl@ku.edu, 864-7781). If the number of interested parties exceeds the mandated limit, an internal review committee will be formed to review all preliminary proposals. KUCR's intends to select the proposers by August 17, 2005. This timeframe gives the candidates more than six weeks to prepare for the proposal submission.

For more information: <http://www.searlescholars.net/apply/index.html>.

Global Infectious Disease Research Training Program Award

National Institutes of Health

Deadlines: Letter of Intent: **August 13, 2005**; Full Proposal: September 13, 2005

The purpose of this announcement is to invite applications from U.S. and developing country institutions to train or expand the capabilities of scientists and health professionals from developing countries to engage in infectious diseases research not related directly to HIV/AIDS. Proposals are requested for innovative, collaborative research training programs that would contribute to the long-term goal of building sustainable research capacity in endemic infectious diseases at developing country institutions. The intent is to harness scientific knowledge and skills to enhance prevention, treatment and control of infectious diseases causing major morbidity and mortality in developing countries. The total amount to be awarded is expected to be between \$600,000 and \$1 million per year, depending on availability of funds. The anticipated number of awards is four to six new and competitive renewal awards, one to two planning grants, and one to two supplemental awards each year. Eligible Principal Investigators include individuals from U.S. or developing country institutions, with a demonstrable history of research collaboration with the proposed partner institution, and who are designated as the

Principal Investigator on at least one active infectious disease research grant (with at least 18 months of support remaining at the time of application) from the NIH or other national or international granting organizations. Only one application may be submitted from an institution proposing research training on a particular infectious disease or working at a particular developing country institution.

For more information: <http://grants.nih.gov/grants/guide/pa-files/PA-05-128.html>.

Assays for Influenza Therapeutics: Project BioShield

National Institutes of Health

Deadline: **September 1, 2005**

The Project BioShield Act of 2004, enacted on July 21, 2004, authorizes the Secretary, Department of Health and Human Services (DHHS), through the program carried out by the National Institute of Allergy and Infectious Diseases (NIAID), National Institutes of Health (NIH), to expedite peer review of grants, contracts, and cooperative agreements to perform, administer, or support research and development of countermeasures determined by the Secretary to be a priority to treat, identify, or prevent harm from any biological, chemical, radiological, or nuclear agent that may cause a public health emergency affecting national security, or adverse health consequences that may arise from using such a countermeasure. Consistent with this authority, the NIAID is announcing a new grant initiative focused on assay development for influenza therapeutics. In FY 2006, the NIAID intends to commit up to \$10 million to support research projects focused on the development of assays that are suitable for screening and development of influenza therapeutics. Actual production of chemical entities or other therapeutic candidates or screening of these candidates for biological activity or biomolecular interaction will not be supported by this initiative. Support will be provided for up to \$1.5 million in total costs per award for a project period of up to eighteen (18) months. Potential applicants MUST first obtain NIAID approval to submit an application by providing a summary of their proposed research to the NIAID staff. A letter application must be submitted by September 1, 2005 and must provide the rationale for the proposed project, preliminary data including evidence of target validation, and the research plan.

For more information: <http://grants.nih.gov/grants/guide/notice-files/NOT-AI-05-045.html>.

Coral Reef Ecosystem Studies

Center for Sponsored Coastal Ocean (CSCOR)

National Centers for Coastal Ocean Science (NCCOS)

National Oceanic and Atmospheric Administration (NOAA)

Deadline: **September 1, 2005**

This solicitation requests proposals that address causes of regional declines in coral abundance and degradation of coral ecosystems. NCCOS/CSCOR's interest is to provide timely and high-quality scientific results that can be used to develop alternative management strategies to restore and protect coral reef ecosystems. This notice solicits proposals that seek a better understanding

of the underlying processes that regulate coral reefs and associated ecosystems. Findings from this research will be used to directly support resource management decisions to protect healthy coral reef ecosystems and to reverse decline in degraded ones. This solicitation will focus on several geographic regions and two depth ranges: (1) typical, shallow water (0-50m) coral reef ecosystems in the locations prioritized below, and (2) deep water (50-100m) hermatypic, light-dependent coral reef ecosystems. NCCOS/CSCOR will select the strongest and most balanced proposal(s) that focuses on one of the following geographic areas of special interest: (1) Pacific island groups including the Commonwealth of Northern Marinas Islands, Marshall Islands, Federated States of Micronesia, and the Republic of Palau, and American Samoa; and (2) the West Florida Shelf (delineated by the 200 m isobath, includes Pulley Ridge and Florida Middle Grounds, not including the Dry Tortugas).

For more information:

<http://www.fedgrants.gov/Applicants/DOC/NOAA/GMC/NOS-NCCOS-2006-2000240/Attachments.html#upload4715>.

Nonlinear Responses to Global Change in Linked Aquatic and Terrestrial Ecosystems and Effects of Multiple Factors on Terrestrial Ecosystems: A Joint Research Solicitation-EPA, DOE

U.S. Environmental Protection Agency/U.S. Department of Energy

Deadline: **September 29, 2005**

The U.S. Environmental Protection Agency's (EPA), as part of its Science to Achieve Results (STAR) program, and the U.S. Department of Energy's Office of Science, are seeking applications for research on: (1) when and how climate change stressors produce nonlinear ecological responses in linked aquatic and terrestrial systems and (2) when and how multiple global change factors might alter the structure and function of terrestrial ecosystems. Proposals must address nonlinear ecological responses caused by climate change and variability on the scale of decades or longer. Linked ecosystems are of particular interest to EPA and include: freshwater wetlands, riparian areas, watersheds, and near-coastal environments such as estuaries. Unmanaged and managed terrestrial systems such as forests, grasslands, woodlands, deserts, and field crops are of interest to DOE.

For more information: http://es.epa.gov/ncer/rfa/2005/2005_nonlinear_responses.html.

Complementary and Alternative Medicine Career Transition Award

National Institutes of Health

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

This transition award in complementary and alternative medicine (CAM) will provide support for up to 1 year at the postdoctoral level and 3 years of support as an independent scientist to an outstanding advanced postdoctoral trainee who has at least 1 and not more than 5 years of postdoctoral research training at time of submission of the application. The purpose of the short term postdoctoral support (up to one year) is to allow the postdoctoral trainee time to complete research, publish results, and search for an independent position, if they have not obtained an independent position at the time of the K22 award. As part of this application, the candidate must

propose a CAM research project for his/her independent research position. The candidate's postdoctoral training may be on a CAM research topic or a research topic that will prepare him/her for the proposed CAM research as an independent scientist.

For more information: <http://grants.nih.gov/grants/guide/pa-files/PA-05-129.html>.

Diet-Induced Changes in Inflammation as Determinants of Colon Cancer

National Institutes of Health

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

Inflammation is a natural response of the human body to tissue injury or infection, but can, in some normal and abnormal conditions, be acute or chronic and result in serious complications, including colon cancer. The various checks and balances within the inflammatory process may be compromised by the quantity and duration of the insult, or by a host of genetic and environmental factors including diet. Several epidemiological and pre-clinical studies reveal that specific bioactive food components can suppress colonic inflammation as well as reduce colon cancer risk. Nevertheless, it remains unclear whether these diet-induced shifts in the inflammatory process account for their anti-tumorigenic properties in colon cancer. This PA is designed to foster innovative research that will identify and characterize diet-induced changes in inflammation and colon cancer risk.

For more information: <http://grants.nih.gov/grants/guide/pa-files/PA-05-125.html>.

Educational Programs for Population Research

U.S. Department of Health and Human Services

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

This announcement encourages applications for educational activities related to the NICHD mission to support research on the processes that determine population size, growth, composition, and distribution, and on the determinants and consequences, of population processes and the NIA mission to support research on the antecedents and impacts of changing social, demographic, economic, and health characteristics of the older population. It encourages activities designed to address three key objectives: enhancing the development of interdisciplinary scientists and facilitating interdisciplinary studies; improving the dissemination and use of existing data sets in population research; and advancing the adoption of quantitative and qualitative methodologies. Most awards are expected to have direct costs of \$165,000 per year or less, and project periods not exceeding two years. This funding opportunity will use the NIH Education Project (R25) award mechanism.

For more information: <http://grants.nih.gov/grants/guide/pa-files/PA-05-134.html>.

Grants-in-Aid

Whitehall Foundation

Deadlines: Letter of Intent: **October 1**, January 15, and April 15, annually

The Grants-in-Aid program is designed for researchers at the assistant professor level who experience difficulty in competing for research funds because they have not yet become firmly established. Grants-in-Aid can also be made to senior scientists. All applications will be judged on the scientific merit and innovative aspects of the proposal, as well as on past performance and evidence of the applicant's continued productivity. Grants-in-Aid are awarded for a one-year period and do not exceed \$30,000. The first step in the proposal process is the submission of a letter. On the basis of this letter, the Whitehall Foundation's scientific advisory staff will determine whether or not the proposed research project will continue to the application process.

For more information: <http://www.whitehall.org/grants/>.

Research Grants

Whitehall Foundation

Deadlines: Letter of Intent: **October 1**, January 15, and April 15, annually

Research grants are available to established scientists of all ages working at accredited institutions in the United States. Applications will be judged on the scientific merit and the innovative aspects of the proposal as well as on the competence of the applicant. Research grants of up to three years will be provided. A renewal grant with a maximum of two years is possible, but it will be awarded on a competitive basis. Research grants will not be awarded to investigators who have already received, or expect to receive, substantial support from other sources, even if it is for an unrelated purpose. Research grants normally range from \$30,000 to \$75,000 per year. The first step in the proposal process is the submission of a letter. On the basis of this letter, the Whitehall Foundation's scientific advisory staff will determine whether or not the proposed research project will continue to the application process.

For more information: <http://www.whitehall.org/grants/>.

PHYSICAL SCIENCES & MATHEMATICS

See also opportunities listed under MULTIPLE DISCIPLINES

Division of Physics

National Science Foundation

Deadline: Last Wednesday in September, annually (**September 28, 2005**)

The target date for proposal submissions to most programs in the Division of Physics is the last Wednesday in September each year. Thus, for proposals competing for FY 2006 (which begins October 1, 2005) funds, the target date is September 28, 2005 (except as noted below). For FY 2007 funding, the target date will be September 27, 2006. Except as noted below, the Directorate will accept FY 2006 submissions in the following areas on the last Wednesday in September:

Atomic, Molecular, Optical, and Plasma Physics (Plasma Physics proposals are due January 6, 2006); Biological Physics (contact Program Director for appropriate target date); Elementary Particle Physics; Gravitational Physics and LIGO; Education and Interdisciplinary Research; Nuclear Physics; Nuclear and Particle Astrophysics; Physics at the Information Frontier; Theoretical Physics.

For more information: <http://www.nsf.gov/pubs/2005/nsf05036/nsf05036.jsp>.

Solar, Heliospheric, and Interplanetary Environment (SHINE)

National Science Foundation

Deadlines: **August 17, 2005** (Third Wednesday in August, annually)

The solar and heliospheric research communities are dedicated to promoting enhanced understanding of, and predictive capabilities for, solar disturbances that propagate to the Earth. Broad-based, grass-roots associations such as SHINE have developed to focus community effort on these scientific questions. Proposals are solicited for research directly related to topics under consideration and discussion at community workshops organized by SHINE. Information on the current activities of SHINE may be found at the following web site: <http://www.shinegroup.org>.

For more information: <http://www.nsf.gov/pubs/2004/nsf04585/nsf04585.htm>.

Frontiers in Integrative Biological Research (FIBR)

National Science Foundation

Deadline: Preliminary Proposals: **October 3, 2005**

Full Proposals: February 15, 2006

The Frontiers in Integrative Biological Research (FIBR) Program supports integrative research that addresses major questions in the biological sciences. FIBR encourages investigators to identify major under-studied or unanswered questions in biology and to use innovative approaches to address them by integrating the scientific concepts and research tools from across disciplines including biology, math and the physical sciences, engineering, social sciences and the information sciences. Proposers are encouraged to focus on the biological significance of the question, to describe the integrative approaches, and to develop a research plan that is not limited by conceptual, disciplinary, or organizational boundaries. Particularly encouraged are the inclusion of young scientists trained in an interdisciplinary environment or in non-biological disciplines, and partnerships with underrepresented minority-serving and primarily undergraduate institutions and community colleges.

For more information: <http://www.nsf.gov/pubs/2005/nsf05597/nsf05597.htm>.

Enhancing the Mathematical Sciences Workforce in the 21st Century (EMSW21)

National Science Foundation

Deadlines: **October 12, 2005**; June 6, 2006, and the first Tuesday in June thereafter

The long-range goal of the EMSW21 program is to increase the number of well-prepared U.S. citizens, nationals, and permanent residents who pursue careers in the mathematical sciences and in other NSF-supported disciplines. EMSW21 tries to do this with three separate components: The Vertical Integration of Research and Education (VIGRE) program supports activities that involve the entire department and span the entire spectrum of educational levels from undergraduates through postdoctoral associates; Research Training Groups (RTG) support the training activities of a group of faculty who have a common research interest; Mentoring through Critical Transition Points (MCTP) involves a larger group of faculty but focuses on specified stages in the professional development of the trainees.

For more information: <http://www.nsf.gov/pubs/2005/nsf05595/nsf05595.htm>.

Materials World Network: Cooperative Activity in Materials Research between US Investigators and their Counterparts Abroad (MWN)

National Science Foundation

Deadline: **October 17, 2005**

The National Science Foundation is working jointly with counterpart national, regional and multinational funding organizations worldwide to enhance opportunities for collaborative activities in materials research between US investigators and their colleagues abroad. Proposals submitted to NSF in response to this solicitation must have clear relevance to fundamental materials phenomena, synthesis, characterization and/or properties. Proposals will be evaluated within the context of programmatic areas supported by the NSF Division of Materials Research. NSF will accept proposals from US universities and colleges addressing collaborations between researchers from the US and participating countries or regions. Concurrently, investigators at non-US research institutions should submit to the counterpart funding organization in their country or region a request for support of their side of the collaboration. NSF will consider support for the US side of such collaborations, with the expectation that funding or research organizations from the appropriate countries or regions will consider supporting the costs of the non-US participants. Projects proposed to NSF are expected to offer students and junior researchers the opportunity to participate in an international research and education experience and, more generally, for integrating research and training in an international environment, and to clearly demonstrate the value added by the international collaboration.

For more information: <http://www.nsf.gov/pubs/2005/nsf05594/nsf05594.htm>.

SOCIAL SCIENCES

See also opportunities listed under HUMANITIES; INTERNATIONAL AREA STUDIES: and MULTIPLE DISCIPLINES

W.E.B. DuBois Fellowship Program

National Institute of Justice

U.S. Department of Justice

Deadline: **February 1, 2006**

The W.E.B. DuBois Fellowship Program seeks to advance the field of knowledge regarding the confluence of crime, justice, and culture in various societal contexts. The DuBois Fellowship complements NIJ's other fellowship programs and provides talented researchers early in their professional careers with the opportunity to elevate independently generated research and ideas to the level of national discussion. DuBois Fellows will be asked to focus on policy-relevant questions in a manner that truly reflects their saliency as an integral part of the American past, present, and, increasingly, its future. The Fellowship places particular emphasis on crime, violence, and the administration of justice in diverse cultural contexts. DuBois Fellows will contribute to NIJ's national criminal justice research program by studying topics of mutual interest to the Fellow and NIJ. Researchers from all academic disciplines are encouraged to apply. Fellows are encouraged to spend a period of residence at NIJ and to prepare reports suitable for publication by NIJ that summarize the results and policy implications of their research. NIJ will negotiate specific products with Fellows during the preaward period.

For more information: <http://www.ncjrs.org/pdffiles1/nij/sl000706.pdf> (PDF File).

MULTIPLE DISCIPLINES

Fiscal Year 2006 Department of Defense Multidisciplinary Research Program of the University Research Initiative

Office of Naval Research

Deadlines: White Papers are due: **August 9, 2005**

Full Proposals are due: November 3, 2005

The MURI program supports basic science and/or engineering research at U.S. institutions of higher education (hereafter referred to as "universities") that is of critical importance to national defense. The program is focused on multidisciplinary research efforts that intersect more than one traditional science and engineering discipline to address issues of critical concern to the DoD. The Fiscal Year (FY) 2006 MURI competition is for 26 topics. See the solicitation for descriptions of the topic areas (URL below).

For more information: <http://www.onr.navy.mil/02/baa/> (scroll down and click on BAA 05-017).

Nuclear Energy Research Initiative Program (NERI)

U.S. Department of Energy (DOE)

Deadlines: Letter of Intent: **August 11, 2005**; Full Proposal: August 23, 2005

The U.S. Department of Energy (DOE), Idaho Operations Office (ID) is seeking applications for advanced nuclear research under the Nuclear Energy Research Initiative Program (NERI) at the Nation's universities. The R&D conducted under this activity will directly support the Advanced Fuel Cycle Initiative (AFCI), the Generation IV Nuclear Energy Systems Initiative (Generation IV), and the Nuclear Hydrogen Initiative (NHI). This announcement, which is only open to all U.S. universities, provides an opportunity for universities to participate in these research initiatives. The NERI R&D projects will be selected using a competitive, peer-reviewed process. The AFCI, Generation IV, and NHI programs provide funding for the NERI awards. DOE anticipates making 20 to 35 new financial assistance awards. Recommended budgets for applicants is \$100,000 to \$200,000 per year.

For more information:

<https://e-center.doe.gov/iips/faopor.nsf/UNID/0B448B471310B3758525702E0063272E?OpenDocument>.

Materials for Energy Efficient Industrial Processing

U.S. Department of Energy

Deadlines: Letter of Intent: **August 31, 2005**; Full Proposal: October 17, 2005

This financial assistance is in support of the Energy Efficiency and Renewable Energy (EERE) strategic Plan Goal 6, Increase Energy Efficiency of Industry. Part of the EERE's Industrial Technology Program's (ITP) strategy in support of this goal is to support high-risk high-reward research and development to reduce energy intensity in U.S. industrial manufacturing and processing by working with industry partners. The projects to be selected under this funding opportunity announcement would focus on development of materials or materials processing methods for energy efficient industrial processing. Applications will be restricted to multiple-organization teams. The team must be comprised of at least one industrial organization. Collaborations involving educational institutions, industrial companies, and research organizations are encouraged.

For more information:

<https://e-center.doe.gov/iips/faopor.nsf/UNID/D6A485C1EE167A888525703700774A86?OpenDocument>.

Developing Global Scientists and Engineers

Office of International Science and Engineering

National Science Foundation

Deadlines:

Doctoral Dissertation Enhancement Project (DDEP) proposals: Proposals may be submitted at any time

International Research Experiences for Students (IRES) proposals: **September 15, annually**, for activities for the subsequent summer; February 15, annually, for activities at other times

In response to a world in which science and engineering are increasingly global in scope, NSF's Office of International Science and Engineering (OISE) program has restructured its programs. One of the focal areas of OISE activity will be providing international research and education experiences for U.S. students and junior researchers. This solicitation addresses opportunities for international research and education for early career stages of scientists and engineers, i.e., as undergraduates and graduate students. The solicitation describes two programs with different deadlines: Doctoral Dissertation Enhancement Project (DDEP) proposals, and International Research Experiences for Students (IRES) proposals.

For more information: <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf04036>.

Conservation Project Support Program

Institute for Museum and Library Services

Deadline: **October 1, 2005**

The Conservation Project Support program awards matching grants to help museums identify conservation needs and priorities and perform activities to ensure the safekeeping of their collections. Conservation Project Support grants help museums develop a logical, institution-wide approach to caring for their living and nonliving collections. Applicants should apply for the project that meets the institution's highest conservation needs. All applications must demonstrate that the primary goal of the project is conservation care and not collection management or maintenance. Collections may be in one of four categories: (1) nonliving, (2) natural history, (3) living plants, or (4) living animals. Grants are available for five broad types of conservation activities: (1) surveys (general, detailed condition, or environmental), (2) training, (3) research, (4) treatment, and (5) environmental improvements. An institution may submit one application each fiscal year. Conservation Project Support also funds exceptional projects with far-reaching effects that benefit multiple institutions. Such projects may cut across collections categories. An institution may not apply for an exceptional project grant that will benefit only that museum. Exceptional project awards will not exceed \$250,000. Applicants may receive up to \$10,000 in addition to their project funding to develop an education component that directly relates to their project. IMLS will support activities including lectures, oral or visual interpretation, videos, CD-ROMS, publications, and workshops or other methods that improve visitors' knowledge about preservation or conservation directly relating to the institution's project. These funds may not be used for staff training or general museum education. Requesting funds for an education project will not be a factor in determining which conservation projects receive funding.

For more information: http://www.imls.gov/grants/museum/mus_cps.asp.

Guggenheim Fellowships

John Simon Guggenheim Memorial Foundation

Deadline: **October 1, 2005**

The Foundation offers Fellowships to further the development of scholars and artists by assisting them to engage in research in any field of knowledge and creation in any of the arts, under the freest possible conditions and irrespective of race, color, or creed. The Fellowships are awarded to men and women who have already demonstrated exceptional capacity for productive scholarship or exceptional creative ability in the arts. Appointments are ordinarily made for one year, and in no instance for a period shorter than six consecutive months. The amounts of the grants will be adjusted to the needs of the Fellows, considering their other resources and the purpose and scope of their plans.

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

International Research Fellowship Program (IRFP)

National Science Foundation

Deadlines: **October 11, 2005**; Second Tuesday in September annually thereafter

The objective of the International Research Fellowship Program (IRFP) is to introduce scientists and engineers in the early stages of their careers to research opportunities abroad, thereby furthering NSF's goal of creating a diverse, competitive, and globally-engaged U.S. workforce of scientists, engineers, technologists and well-prepared citizens. These awards are available in any field of science and engineering research and education supported by NSF. Applicants must: 1) be U.S. citizens or permanent residents as of the application deadline; 2) have been awarded a Ph.D. within three years of the application deadline or expect to receive the doctoral degree by the start of the project; and 3) desire to conduct scientific and engineering research at appropriate institutions of higher education, industrial research institutions/laboratories, government research institutes/laboratories/centers, nonprofit research organizations, and foreign centers of excellence located outside of the United States. Applications are submitted directly by the individual researcher, unlike standard NSF proposals that are submitted through the researcher's U.S. institutional representative. In the IRFP FastLane application process (Section V. D.), the applicant acts as the Authorized Organizational Representative (AOR).

For more information: <http://www.nsf.gov/pubs/2005/nsf05599/nsf05599.htm>.

Sloan Industry Studies Fellowships

Alfred P. Sloan Foundation

Deadline: Nominations are due by **October 15, 2005**

Industry Studies Fellowships are intended to provide support and recognition to junior faculty in a wide range of academic disciplines. Awards are made to those who show the most outstanding promise of making important contributions to understanding modern industry and the multifaceted environment of industrial enterprises. Candidates for Sloan Industry Studies Fellowships are required to hold a Ph.D. (or equivalent) in economics, management, engineering, political science, sociology, or in a related or interdisciplinary field, and must be members of the

regular faculty (i.e., tenure track) of a college or university in the United States or Canada. They may be no more than six years from completion of most advanced degree as of the year of their nomination--unless special circumstances such as military service, a significant change of field, or child rearing are involved or unless they have held a faculty appointment for less than two years. Candidates may be nominated by Directors and faculty members at the Sloan Industry Centers, Affiliates of the Sloan Industry Studies program, department heads, or other senior scholars. Candidates and nominators are not required to have a formal relationship with a Sloan Industry Center. Direct applications are not accepted. Nomination forms are available from the Sloan Foundation's website. Nominations are due by October 15, annually.

For more information: http://www.sloan.org/programs/fellow_announ.shtml.

Support for Small Scientific Conference Grants

U.S. Food and Drug Administration

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

FDA recognizes the value of partially supporting scientific meetings and conferences designed to coordinate, exchange, and disseminate information when the objectives are clearly within the scope of the agency's mission. FDA's policy is to participate with other organizations to support meetings where practicable, rather than provide sole support. In view of the diversity of interests among the various FDA centers/offices, and in order to provide maximum flexibility, FDA will not set rigid requirements concerning the type of scientific meetings to be supported so long as they are within the agency's mission. FDA views the partial support of scientific conferences as an ongoing program and may award a limited number of grants each fiscal year. These awards are subject to availability of funds and range from \$1,000 to \$25,000 in direct costs only per conference.

For more information:

<http://www.fedgrants.gov/Applicants/HHS/FDA/OFACS/HHS-GRANTS-110204-001/Grant.html>.

EPA Science To Achieve Results (STAR) Fellowships For Graduate Environmental Study

U.S. Environmental Protection Agency

Deadline: **October 18, 2005**

The U.S. Environmental Protection Agency (EPA), as part of its Science to Achieve Results (STAR) program, is offering Graduate Fellowships for master's and doctoral level students in environmental fields of study. The deadline for receipt of pre-applications is October 18, 2005. Subject to availability of funding, the Agency plans to award approximately 100 new fellowships by July 21, 2006. Master's level students may receive support for a maximum of two years. Doctoral students may be supported for a maximum of three years, usable over a period of four years. The fellowship program provides up to \$37,000 per year of support per fellowship. Applicants' planned course of study MUST focus on one or more issues of environmental significance. See the full solicitation for a list of areas of study considered to have environmental significance.

For more information: http://es.epa.gov/ncer/rfa/2006/2006_star_fellow.html.

Museums for America

Institute of Museum and Library Sciences

Deadline: **November 15, 2005**

In FY 2006, Museums for America funding will support projects and activities, designed by the institution, that strengthen museums as active resources for lifelong learning and key players in the establishment of livable communities. Museums for America grants are designed to be flexible. They can be used for ongoing museum activities, research and other behind-the-scenes activities, planning activities, new programs or activities, purchase of equipment or services, or other activities that will support the efforts of museums to upgrade and integrate new technologies into their overall institutional effectiveness. IMLS seeks to distribute funding for Museums for America grants across all types and sizes of museums, as well as among all funding categories. Applicants may apply in one of three funding categories: \$5,000–\$24,999, \$25,000–\$74,999, or \$75,000–\$150,000. A 1:1 match is required in each category.

For more information: http://www.imls.gov/grants/museum/mus_mfa.htm.

Research Opportunities in Space and Earth Sciences (ROSES)

National Aeronautics and Space Administration (NASA)

Deadlines: Due dates vary by program, continue through February 10, 2006

Research Opportunities in Space and Earth Sciences (ROSES) – 2005 solicits basic and applied research in support of the NASA Science Mission Directorate (SMD). This NASA Research Announcement (NRA) covers all aspects of basic and applied supporting research and technology in space and Earth sciences, including, but not limited to: theory, modeling, and analysis of SMD science data; aircraft, stratospheric balloon, and suborbital rocket investigations; development of experiment techniques suitable for future SMD space missions; development of concepts for future SMD space missions; development of advanced technologies relevant to SMD missions; development of techniques for and the lab analysis of both extraterrestrial samples returned by spacecraft as well as terrestrial samples that support or otherwise help verify observations from SMD Earth science space missions; determination of atomic and composition parameters needed to analyze space data as well as returned samples from the Earth or space; Earth surface observations and field campaigns that support SMD science missions; development of integrated Earth system models; and the development of applied information systems applicable to SMD objectives and data. Awards range from under \$100K per year for focused, limited efforts (e.g., data analysis) to more than \$1M per year for extensive activities (e.g., development of science experiment hardware). For information on specific research programs contained in this solicitation and the corresponding proposal submission deadlines please see the complete NRA on the NASA NSPIRES website (see below).

For more information:

<http://nspires.nasaprs.com/external/solicitations/solicitations.do?method=open&stack=push>
(click on Research Opportunities in Space Science, number NNH05ZDA001N).