

RESEARCH ADVOCATE

SPONSORED PROJECTS OFFICE, UNIVERSITY OF CALIFORNIA, BERKELEY

MAY 2005

*A Newsletter for
Berkeley Researchers*



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Plan Ahead for September BFS Upgrade

The campus is upgrading the Berkeley Financial System (BFS) in Fall 2005, and BFS will be unavailable for a period of time while the system down during the database conversion. During the down time, it will not be possible to process any new awards, fund advances, or award modifications.

Current plans are to take BFS out of service at the end of the business day on Thursday, September 8 and make it available in the upgraded environment Monday, September 26. The upgrade process of the database will begin after August's month-close processing is complete.

For more information, see the BFS upgrade project web site at <http://bfsupgrade.berkeley.edu/default.htm>.

Save the Date: Campus C&G Workshop on June 14

The Vice Chancellor for Research Office and the Sponsored Projects Office are planning to host a live satellite-broadcast workshop on Tuesday, June 14, 2005, 8:30 a.m. to 12:30 p.m., on Principles of R&D Contracting. The workshop is presented by the National Council of University Research Administrators (NCURA).

This videoconference will serve as a training opportunity for faculty and research administrators in central and department levels who are assigned the tasks of identifying contracting opportunities, submitting contract business proposals, and negotiating and managing federal contracts. In addition, the conference will seek to address faculty issues. Items to be discussed will be: reading and interpreting RFP's (requests for proposals), preparation of contract budgets, and identifying the regulatory sources of information to assist research administrators manage federal contracts (e.g., Federal Acquisition Regulations, Confidentiality, Publication Rights).

There will be no charge for the workshop, but attendees will be asked to register in advance and to register early because there are a limited number of seats. More information will be available soon on the SPO web site (<http://www.spo.berkeley.edu>) soon.

SPO is Hiring—Four Positions Available

The Sponsored Projects Office is now recruiting for a Senior Administrative Analyst position, two Administrative Analyst positions, and an Administrative Assistant III.

The Senior Administrative Analyst will work in the non-federal unit, reporting to the Assistant Director of non-federal projects. The Administrative Analyst positions are for research administrators—one for federal and one for non-federal agencies. The AAI will serve as the front office receptionist and handle purchasing/accounts payable, payroll, and benefits.

The job descriptions are listed on SPO's web site: <http://www.spo.berkeley.edu/position.html>. For information about applying, see <http://jobs.berkeley.edu/>.

Sponsored Projects Office
<http://www.spo.berkeley.edu>

Budgeting: Equipment “or Equivalent”

When preparing proposal budgets, especially budgets for contracts, include “or equivalent” after any specifically named equipment. Specifying manufacturer, model, etc. requires a sole-source justification. Regardless of the source of funds, the campus has to follow purchasing regulations and procedures, which include competitive bidding for major purchases.

DHHS Issues Final Rule on Research Misconduct

The U.S. Department of Health and Human Services (DHHS) published the final version of changes to existing regulations for research misconduct in the May 17 *Federal Register* (<http://a257.g.akamaitech.net/7/257/2422/01jan20051800/edocket.access.gpo.gov/2005/05-9643.htm>). The National Institutes of Health is part of the DHHS.

The final rule, effective June 16, makes the DHHS definition of research misconduct consistent with the one adopted by the White House Office of Science and Technology Policy in 2000 for all federal agencies. It retains the existing regulatory model under which universities must conduct their own investigations of allegations of research misconduct involving scientists applying for or receiving DHHS research funding.

In the final rule, universities are not required to establish training programs in the responsible conduct of research. However, institutions are required to foster an “environment that promotes the responsible conduct of research.” Institutions must report an accusation of research misconduct if it is settled before the investigation concludes, but are not required to report preliminary investigations if they find no research misconduct was committed.

Fulbright Deadline is August 1

Applications for Fulbright Grants for research and lecturing abroad are due August 1, 2005. The U.S. Fulbright Scholar Program for U.S. Faculty and Professionals sends 800 scholars and professionals each year to more than 140 countries.

Program information and application material are available on the Council for International Exchange of Scholars web site (http://www.cies.org/us_scholars/us_awards/). The program is administered by the Graduate Fellowship Office for all applicants from the Berkeley campus (<http://www.grad.berkeley.edu/fellowships/index.shtml>).

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NIH Policy on Public Access to Publications Now in Effect

The National Institutes of Health Public Access Policy went into effect on May 2, 2005. The Policy requests and strongly encourages all NIH-funded investigators to make their peer-reviewed author's final manuscripts available to other researchers and the public at the NIH National Library of Medicine's PubMed Central (PMC) (<http://www.pubmedcentral.nih.gov>) immediately after the final date of journal publication. At the time of submission, authors have the option to release their manuscripts at a later time, up to 12 months after the official date of final publication.

The NIH provides guidance to NIH investigators on manuscript submission on the the NIH Public Access Web site: <http://www.nih.gov/about/publicaccess/>. This web site includes an author's manual with information on using the manuscript submission system, and links to the manuscript submission web site (<http://nihms.nih.gov/>), which has a frequently asked contact information for the NIHMS help desk.

NCCAM Issues Interim Policy on Biologically Active Agents and Placebo Materials

The National Center for Complementary and Alternative Medicine (NCCAM) recently issued an interim policy and applicant guidance for biologically active agents used in complementary and alternative medicine and placebo materials.

Biologically active agents are defined (for this policy) as those test agents derived from biological sources or small biologically active molecules used as complementary and alternative therapies. Homeopathic medicines are currently not included in the policy document.

The policy covers the product quality of agents and materials used to be used in research supported by NCCAM and the scope of research that NCCAM will support.

The April 29 *NIH Guide* announcements are: "NCCAM Interim Policy: Biologically Active Agents Used in Complementary and Alternative Medicine (CAM) and Placebo Materials" at <http://grants.nih.gov/grants/guide/notice-files/NOT-AT-05-003.html>; and "NCCAM Interim Applicant Guidance: Product Quality: Biologically Active Agents Used in Complementary and Alternative Medicine (CAM) and Placebo Materials" at <http://grants.nih.gov/grants/guide/notice-files/NOT-AT-05-004.html>.

Funding Program Announcements

These summaries are compiled from the Community of Science and IRIS funding opportunities databases and from agency announcements.

Find programs with funding in your area of interest by using the COS (<http://fundingopps.cos.com/>) or IRIS (<http://www.library.uiuc.edu/iris/>) databases to search or browse program announcements from federal and regional government sponsors, foundations, and other organizations.

For assistance with program announcements, help with searching for funding, and for individual funding searches for Berkeley faculty, please contact Shelley Sprandel (spore@berkeley.edu, 2-8122). SPO's web site (<http://www.spo.berkeley.edu/funding.html>) has additional resources on funding program information.

Agriculture Department

■ Applied Plant Genomics. CSREES NRI. Deadline: 7/1/05. Synopsis: Grants to engage the applied plant-sciences, both public and private, and involve them in the application of basic discoveries to U.S. crop or forestry improvement. The program is not plant species specific. URL: <http://www.csrees.usda.gov/fo/fundview.cfm?fonum=1122>

■ Porcine Genome Sequencing. CSREES NRI. Deadline: 8/18/05. Synopsis: Supports high-throughput sequencing of the porcine genome. The goal of the program is to obtain a draft sequence (approximately three-fold sequence coverage) of 90 percent of the porcine genome. URL: <http://www.csrees.usda.gov/fo/fundview.cfm?fonum=1380>

Commerce Department

■ NIST 2005 Small Grants Program. Deadline: 9/11/05. Synopsis: NIST is soliciting applications for these grant programs in these areas: Electronics and Electrical Engineering, Manufacturing Engineering, Chemical Science and Technology, Physics, Materials Science and Engineering, Building Research, and Fire Research. URL: <http://www.fedgrants.gov/Applicants/DOC/NIST/GAMD/2005-SGP-01/listing.html>

Defense Department

■ Defense University Research Instrumentation Program (DURIP). Deadline: 8/25/05. Synopsis: DURIP is designed to improve the capabilities of U.S. institutions of higher education to conduct research and to educate scientists and engineers in areas important to national defense, by providing funds for the acquisition of research equipment.. URL: <http://www.fedgrants.gov/Applicants/USAF/AFMC/AFOSR/AFOSR-BAA-05-4/Grant.html>

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Defense Department (continued)

■ Scalable Millimeter-wave Architectures for Reconfigurable Transceivers. DARPA. Deadline: 6/28/05. Synopsis: Sponsors research on integrated, surface-emitting panel architectures for millimeter wave transceiver arrays. Proposed research should enable revolutionary, not incremental, advances in science, devices and systems. URL: <http://www.darpa.mil/baa/BAA05-27.html>

■ Technology for Agile Coherent Optical Transmission Architecture. DARPA. Deadline: 7/22/05. Synopsis: Funds research on coherent optical transmitter/receiver technology and phase preserving wideband nonlinear optical mixer technology, in support of next generation tactical free-space optical communications. URL: <http://www.darpa.mil/baa/BAA05-36.html>

■ Naval and Marine Machinery. US Navy. Deadline: 8/8/05. Synopsis: Supports long and short term science and technology projects and research and development projects that offer potential for advancement and improvements of naval machinery operations and the scientific knowledge necessary to create such advancements. URL: <http://www.dt.navy.mil/acquisition/acq/announce/ann.html#baa>

■ Special Projects Office. DARPA. Deadline: 9/15/05. Synopsis: Supports research focused on addressing present and emerging national challenges. Priority areas include countering underground facilities (UGF), space technologies, sensors and surveillance, protection against unconventional weapons, urban combat, and navigation. URL: <http://www.darpa.mil/baa/baa04-40.htm>

■ Defense Sciences Research. DARPA. Deadline: 2/7/06. Synopsis: Proposals may be either basic or applied research with the potential for making revolutionary improvements to national security within 5-10 years. Focus topics include materials science, advanced mathematics, defense against WMDs, biology, individual and team performance, and more. URL: <http://www.darpa.mil/baa/baa05-19pt1.html>

Education Department

■ Research Fellowships. National Institute on Disability and Rehabilitation Research. Deadline: 6/24/05. Synopsis: This program supports individuals for one year to perform research on the rehabilitation of individuals with disabilities. URL: <http://www.ed.gov/programs/resfel/index.html>

■ Reading and Writing Education. NCER. Deadline: 7/21/05. Synopsis: Supports the development and evaluation of reading or writing interventions that target the needs of struggling readers/writers at all levels and the development and validation of assessments that identify specific sources of reading or writing difficulties. URL: <http://www.ed.gov/programs/readingresearch/index.html>

■ Teacher Quality - Math and Science Education. NCER. Deadline: 7/21/05. Synopsis: Supports research on the development and evaluation of teacher preparation and development programs and assessments of teacher knowledge. Ultimately, projects must be relevant to improving student outcomes in math and science by enhancing teacher performance. URL: <http://www.ed.gov/programs/tqmath/index.html>

■ National Assessment of Educational Progress. NCES. Deadline: 7/21/05. Synopsis: Funds secondary analysis of data to identify programs, policies, and practices that may improve academic outcomes, as well as hindrances to these. Also supports development of tools or procedures to assist in the analysis, interpretation, and reporting of state- and district-level NAEP results. URL: <http://www.ed.gov/programs/naepsarp/index.html>

■ Education Finance, Leadership, and Management. NCER. Deadline: 7/28/05. Synopsis: Supports projects that identify, develop, and evaluate finance, leadership, and management practices to enhance the teaching and learning environment and improve student outcomes. Also solicited are projects that create measurement systems linking student-level resources to student-level achievement data. URL: <http://www.ed.gov/programs/edfinance/index.html>

Energy Department

■ Forest Products Industry of the Future. Deadline: 8/2/05. Synopsis: Funding to develop advanced water removal technologies used during the paper making process and/or to define, through early stage research and development, breakthrough concepts in next generation mill processes. URL: <https://e-center.doe.gov/iips/faopor.nsf/UNID/F4E6196F5628010585256FD500612C3E?OpenDocument>

Health and Human Services Department

■ Career Development Grants. NIOSH. Deadline: 7/1/05. Synopsis: Awards for investigators to gain experience in occupational safety and health research under the guidance of at least one mentor. This may be in a new research area or one in which additional experience will substantially add to the applicant's research capabilities. URL: <http://grants1.nih.gov/grants/guide/pa-files/PAR-04-105.html>

■ Stem Cells and Cancer. NCI, NIA. Deadline: 10/1/05. Synopsis: Funds research on all aspects of stem cell biology, including research into the molecular and biochemical regulation of embryonic and adult stem cell behavior as well as further development of recent work on tumor stem cells. URL: <http://grants1.nih.gov/grants/guide/pa-files/PA-05-086.html>

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Health and Human Services (continued)

- **Tuberous Sclerosis Complex.** NIH. Deadline: 10/1/05. Synopsis: Supports research aimed at understanding or treating TSC, including molecular genetic, developmental, and pathophysiological studies. URL: <http://grants1.nih.gov/grants/guide/pa-files/PAS-05-085.html>

- **Analysis of Alcohol Epidemiology Data.** NIAAA. Deadline: 10/1/05. Synopsis: Invites applications to support the secondary analysis of existing datasets to enhance understanding of the patterns of alcohol consumption and the epidemiology of alcohol-related problems. URL: <http://grants1.nih.gov/grants/guide/pa-files/PA-05-088.html>

- **Sjogren's Syndrome.** NIDCR, NEI, ORWH. Deadline: 9/21/05. Synopsis: Solicits applications for the study of Sjogren's syndrome. Those that integrate mechanistic studies on genetics, environmental and immunological factors, and cell biology with clinical aspects of Sjögren's syndrome are of particular interest. URL: <http://grants1.nih.gov/grants/guide/rfa-files/RFA-DE-06-004.html>

- **Nutrition and Diet in Heart Failure.** NIH. Deadline: 10/1/05. Synopsis: Funds basic, translational, and applied interdisciplinary research on the role of nutrition and diet in the causation, prevention, and treatment of cardiomyopathies and heart failure. URL: <http://grants1.nih.gov/grants/guide/pa-files/PA-05-089.html>

- **Methodology and Measurement in Social Sciences.** NIH. Deadline: 10/1/05. Synopsis: Invites applications aimed at improving and developing methodology and measurement in the behavioral and social sciences through innovations in research design, data collection techniques, measurement, and data analysis techniques. URL: <http://grants1.nih.gov/grants/guide/pa-files/PA-05-090.html>

- **Centers of Research Translation.** NIAMS. Deadline: 10/25/05. Synopsis: Invites applications for CORTs, which will be translational in nature, directed at elucidating the relevance of basic research to human disease in an area within the National Institute of Arthritis and Musculoskeletal and Skin Diseases mission. URL: <http://grants1.nih.gov/grants/guide/rfa-files/RFA-AR-05-005.html>

- **Alzheimer's Disease Core Centers.** NIA. Deadline: 9/20/05. Synopsis: Supports Centers to bring together biomedical, behavioral, and clinical science investigators to study etiology, pathogenesis, diagnosis, treatment, and prevention of AD and to improve health care delivery. URL: <http://grants1.nih.gov/grants/guide/rfa-files/RFA-AG-05-010.html>

- **Career Development Award for Diversity.** NHLBI. Deadline: 7/19/05. Synopsis: A three-to-five-year award made to faculty members from underrepresented groups whose research interests include problems related to cardiovascular, pulmonary, hematologic, and sleep disorders in the general and health disparities populations. URL: <http://grants1.nih.gov/grants/guide/rfa-files/RFA-HL-05-015.html>

- **Mentored Career Award For Faculty At Minority Institutions.** NHLBI. Deadline: 7/19/05. Synopsis: A three-to-five-year non-renewable career development award made to faculty at a minority institution. Candidates must be committed to developing into independent biomedical investigators in cardiovascular, pulmonary, hematologic, or sleep disorders research. URL: <http://grants1.nih.gov/grants/guide/rfa-files/RFA-HL-05-016.html>

- **Data Analyses of Early Child Care and Youth Development.** NICHD. Deadline: 10/1/05. Synopsis: Funds to encourage scientists to carry out research questions about family, child care, school, and child development through analyses of existing data sets from the NICHD Study of Early Child Care and Youth Development. URL: <http://grants1.nih.gov/grants/guide/pa-files/PA-05-093.html>

- **Analyses in Obesity, Diabetes, Digestive and Kidney Diseases.** NIDDK. Deadline: 10/1/05. Synopsis: Supports secondary analysis of existing data sets relevant to diabetes and endocrine and metabolic diseases; digestive diseases and nutrition; and kidney, urological, and hematological diseases. A major subject of this announcement is the support of research on overweight and obesity. URL: <http://grants1.nih.gov/grants/guide/pa-files/PA-05-094.html>

- **Stem and Progenitor Cells and the Microenvironment In Vivo.** NIH. Deadline: 10/1/05. Synopsis: Sponsors studies on cellular and molecular signaling between the local organismal environment and stem and progenitor cells that are either introduced as transplants or are normally resident within host tissues and organs. URL: <http://grants1.nih.gov/grants/guide/pa-files/PAS-05-092.html>

- **Cell Biological Studies of Parkinson's Disease.** NINDS. Deadline: 9/21/05. Synopsis: Solicits applications to elucidate the cell biology of proteins that have been implicated in PD through genetic findings, especially studies on the functional role of these proteins in cells, or how these proteins may interact or share common pivotal molecular pathways. URL: <http://grants1.nih.gov/grants/guide/rfa-files/RFA-NS-06-001.html>

- **Epilepsy Research for Junior Investigators.** NINDS, NIA. Deadline: 10/1/05. Synopsis: The goal of this program announcement is to stimulate basic, translational and clinical research in the field of epilepsy by promoting collaborations among junior investigators (up to the Assistant Professor level). URL: <http://grants1.nih.gov/grants/guide/pa-files/PA-05-095.html>

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Health and Human Services *(continued)*

- **Transmissible Spongiform Encephalopathies.** NINDS, NIA. Deadline: 10/1/05. Synopsis: Investigator-initiated research grants to study mechanisms of transmission and dissemination of TSEs. URL: <http://grants1.nih.gov/grants/guide/pa-files/PA-05-096.html>
- **Development of Disease Biomarkers.** NIH. Deadline: 10/1/05. Synopsis: Provides resources to validate candidate biomarkers for well-defined human diseases of liver, kidney, urological tract, digestive and hematologic systems, and endocrine and metabolic disorders, for which there are no or very few biomarkers, or for which standard biomarkers are currently prohibitively invasive or expensive. URL: <http://grants1.nih.gov/grants/guide/pa-files/PA-05-098.html>
- **Inhalant Abuse.** NIDA. Deadline: 10/1/05. Synopsis: The goal of this program is to encourage research on all aspects of inhalant abuse (i.e., epidemiology; prevention, treatment and service delivery; antecedents, consequences and neurobiological mechanisms). URL: <http://grants1.nih.gov/grants/guide/pa-files/PA-05-099.html>
- **Pilot and Feasibility Program Related to the Kidney.** NIH. Deadline: 10/1/05. Synopsis: An initiative to foster the development of high-risk pilot and feasibility research on problems relevant to both acute and chronic kidney diseases, carried out by newly independent or established investigators. URL: <http://grants1.nih.gov/grants/guide/pa-files/PA-05-103.html>
- **Brain Disorders in the Developing World.** NIH. Deadline: 10/1/05. Synopsis: Solicits applications for collaborative research projects, involving investigators in developed and developing countries, focusing on brain disorders throughout life relevant to developing nations. URL: <http://grants1.nih.gov/grants/guide/pa-files/PA-05-100.html>
- **Autoimmune Disease Prevention.** NIH. Deadline: 10/12/05. Synopsis: A cooperative research group focusing on prevention of human autoimmune diseases, with an emphasis on type 1 diabetes. URL: <http://grants1.nih.gov/grants/guide/rfa-files/RFA-AI-05-026.html>
- **Neuronal/Glial Cell Interactions in Orofacial Pain Disorders.** NIDCR. Deadline: 11/17/05. Synopsis: Funding for molecular, cellular, and animal studies, on the role of glial cells in pain disorders of the orofacial complex and in particular, studies on the interactions between glial cells and neurons that lead to pathological pain states. URL: <http://grants1.nih.gov/grants/guide/rfa-files/RFA-DE-06-005.html>
- **Centers for Innovative Wound Healing Research.** NIGMS. Deadline: 10/20/2005. Synopsis: Funds multidisciplinary teams of basic and clinical scientists in order to initiate high-risk, high impact research in wound healing. These projects are hoped to lead to interventions that increase the quality and speed of wound healing. URL: <http://grants1.nih.gov/grants/guide/rfa-files/RFA-GM-06-002.html>
- **Genome-wide Association Studies.** NIH. Deadline: 7/21/05. Synopsis: Assistance for development and testing of innovative, informative, and cost-effective study designs and analytical strategies to perform genome-wide association studies on diseases such as those affecting the heart, lung, blood, and sleep. URL: <http://grants1.nih.gov/grants/guide/rfa-files/RFA-HL-05-011.html>
- **Deep Sequencing and Haplotype Profiling of Mental Disorders.** NIMH. Deadline: 10/1/05. Synopsis: Supports applications that implement large-scale studies and innovative analytical designs that will disaggregate a given mental disorder into components of finite risks. Proposals for large-scale haplotype analysis and the development of new analytical methods also are encouraged. URL: <http://grants1.nih.gov/grants/guide/pa-files/PA-05-106.html>
- **Shared Neurobiology of Fragile X Syndrome and Autism.** NIMH. Deadline: 10/1/05. Synopsis: Applications should focus on neural pathways, circuits, systems and molecules involved in the etiology or pathophysiology of FXS and possibly implicated in autism and autism spectrum disorders. URL: <http://grants1.nih.gov/grants/guide/pa-files/PA-05-108.html>
- **Science Education Drug Abuse Partnership Award.** NIDA. Deadline: 10/1/05. Synopsis: Funds partnerships working toward development and evaluation of model programs and materials for enhancing knowledge and understanding of neuroscience and the biology of drug abuse and addiction among K-12 students, the general public, health care practitioners, and other groups. URL: <http://grants1.nih.gov/grants/guide/pa-files/PA-05-105.html>
- **Diabetes in Youth.** NIH, CDC. Deadline: 6/24/05. Synopsis: Funds population-based research on diabetes in youth. Priorities include assessing incidence and trends; natural history of youth diabetes and its complications; health care utilization, processes of care, and quality of life; and classification schemes suitable for public health surveillance. URL: <http://grants1.nih.gov/grants/guide/rfa-files/RFA-DP-05-069.html>
- **Breast and Prostate Cancer Data and Care.** CDC. Deadline: 6/28/05. Synopsis: Supports surveillance and operations research with population-based data from the National Program of Cancer Registries. Research will focus on first course of treatment and stage data, and on describing patterns of care for female breast cancer and prostate cancer. URL: <http://grants1.nih.gov/grants/guide/rfa-files/RFA-DP-05-071.html>

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Health and Human Services (continued)

■ Maternal and Child Health Research. HRSA. Deadline: 7/29/05. Synopsis: Supports applied research related to maternal and child health services. Proposals should address critical questions such as public health systems and infrastructure, health disparities, quality of care, and promoting the health of MCH populations. URL: <http://www.hrsa.gov/grants/preview/guidancemch/hrsa05015.htm>

■ Protein Misfolding or Misprocessing. NIDDK, NINDS, NIA. Deadline: 9/15/05. Synopsis: Supports research designed to identify small molecule reagents that specifically prevent or ameliorate a protein folding or processing defect in simple and complex genetic diseases. URL: <http://grants1.nih.gov/grants/guide/pa-files/PAR-05-056.html>

Interior Department

■ North American Wetlands Conservation Act Standard Grants. FWS. Deadline: 7/29/05. Synopsis: Supports projects designed to conserve wetlands and wetlands-dependent fish and wildlife through acquisition (including easements and land title donations), restoration, and/or enhancement. URL: <http://www.fws.gov/birdhabitat/nawca/USstandgrants.html>

Japan-U.S. Friendship Commission

■ Japanese Studies in the United States. Deadline: 8/1/05. Synopsis: The commission will consider collaborative research, general education projects and professional graduate school faculty and curriculum development projects in Japanese studies. URL: http://www.jusfc.gov/commissn/BrochureJan03.htm#_Japanese_Studies_in

Justice Department

■ Abuse of Elderly Individuals. NIJ. Deadline: 6/21/05. Synopsis: Soliciting proposals for research and evaluation in the area of abuse of elderly individuals, older women, and people who are residents of long-term care facilities. NIJ welcomes proposals that address gaps in our system's ability to prevent, detect, and respond to this abuse. URL: <http://www.ojp.usdoj.gov/nij/new.htm#sl000704>

National Aeronautics and Space Administration

■ Mars Exploration Rover. ROSES-2005. Deadline: 7/19/05. Synopsis: Funding for investigations on Mars regarding: minerals, rocks and soils; evidence of presence or action of liquid water; local surface geologic processes; validation of orbital remote sensing data; geological and environmental assessment of when liquid water was present and if conditions were conducive to life. URL: <http://nspires.nasaprs.com/>

■ Living with a Star. ROSES-2005. Deadline: 9/9/05. Synopsis: Seeks proposals for data analysis, theory, modeling, and tool and method development, leading to a physics-based understanding of the integral system linking the Sun to the Solar System both directly and via the heliosphere, planetary magnetospheres, and ionospheres. URL: <http://nspires.nasaprs.com/>

■ Terrestrial Ecology and Biodiversity. ROSES-2005. Deadline: 9/12/05. Synopsis: This program uses remote sensing, field campaigns, and modeling to research variability in terrestrial ecosystems, biogeochemical cycles, environmental change, and future changes in carbon cycle dynamics and terrestrial ecosystems, as well as how these interrelate. URL: <http://nspires.nasaprs.com/>

■ FUSE Guest Investigator. ROSES-2005. Deadline: 9/16/05. Synopsis: This program provides for acquisition and analysis of new data from the Far Ultraviolet Spectroscopic Explorer, which is designed to investigate the nature and physics of interstellar and intergalactic gas, stars, galaxies, and planets through the use of high-resolution spectroscopy of far UV radiation. URL: <http://nspires.nasaprs.com/>

■ Rossi X-ray Timing Explorer Guest Observer. ROSES-2005. Deadline: 9/19/05. Synopsis: This program provides for acquisition and analysis of new data from the RXTE. Selected proposals will investigate the nature and physics of compact astrophysical objects as revealed through temporal variations in their high energy emission on time scales from microseconds to years. URL: <http://nspires.nasaprs.com/>

■ Energy and Water Cycle Study. ROSES-2005. Deadline: 10/5/05. Synopsis: Funds for documenting and enabling improved, observationally-based, predictions of water and energy cycle consequences of Earth system variability and change. URL: <http://nspires.nasaprs.com/>

■ Remote Sensing Science for Carbon and Climate. ROSES-2005. Deadline: 8/3/05. Synopsis: Sponsors remote sensing science investigations to prepare for new remote sensing measurements from space and to ascertain the readiness of candidate technologies for obtaining them. Studies must address Carbon Cycle and Ecosystems and Climate Variability and Change topics. URL: <http://nspires.nasaprs.com/>

■ Astrobiology: Exobiology and Evolutionary Biology. ROSES-2005. Deadline: 8/5/05. Synopsis: This program aims to understand the origin, evolution, distribution, and future of life in the Universe. Research is centered around the origin and early evolution of life, its potential to adapt to different environments, and the implications for life elsewhere. URL: <http://nspires.nasaprs.com/>

National Science Foundation

- **Ecological Rates of Change.** BIO. Deadline: 7/9/05. Synopsis: Supports research on how human-induced global change affects ecological rates of change. Specifically seeks proposals for ecological research designed to separate the effects of natural versus anthropogenic changes on plants and animals. URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13494&org=DEB&from=home
- **Engineering Education Program.** ENG. Deadline: 7/9/05. Synopsis: The goal is to increase the quantity and quality of U.S. citizens who earn BS degrees in engineering. Faculty with cutting edge new ideas for undergraduate engineering education improvements are invited to submit proposals. URL: <http://www.nsf.gov/pubs/progdesc/2001/eng/pdeng0101.html>
- **Biological Databases and Informatics.** BIO. Deadline: 7/11/05. Synopsis: Encourages new approaches to the management, analysis, and dissemination of biological knowledge for the benefit of both the scientific community and the broader public. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf05577
- **EarthScope.** GEO. Deadline: 7/16/05. Synopsis: Funds large-scale studies across the Earth sciences, including research on fault properties and the earthquake process, strain transfer, magmatic and hydrous fluids in the crust and mantle, plate boundary processes, large-scale continental deformation, continental structure and evolution, and composition and structure of the deep-Earth. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf04589
- **Long Term Research in Environmental Biology.** BIO. Deadline: 7/18/05. Synopsis: Proposals aimed at generating long time (at least 6 years) series of biological and environmental data that address particular ecological and evolutionary processes. This data collection should be aimed at resolving important issues in environmental biology. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf05583
- **Earth Sciences: Instrumentation and Facilities.** GEO. Deadline: 8/8/05. Synopsis: Supports meritorious requests for equipment and instruments within and across Earth science disciplines. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf05587
- **RIDGE 2000.** GEO. Deadline: 8/15/05. Synopsis: Supports geological and biological studies of the Earth-encircling mid-ocean ridge system, with an emphasis on the effects of energy flow from the mantle to the deep ocean. Studies must involve focus on scientifically defined geographic areas; co-location of experiments in space and time; and integration across multiple disciplines. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf02011
- **Focused Research Groups in Mathematics.** MPS. Deadline: 8/19/05 for letter of intent. Synopsis: Allows groups of researchers in mathematics and related disciplines to respond to recognized scientific needs of pressing importance, to take advantage of current scientific opportunities, or to prepare the ground for anticipated significant scientific developments in the mathematical sciences. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf02129
- **Earth's Deep Interior.** GEO. Deadline: 8/25/05. Synopsis: Funding will support basic research on the character and dynamics of the Earth's mantle and core, their influence on the evolution of the Earth as a whole, and on processes operating within the deep interior that affect or are expressed on the Earth's surface. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf04593
- **Instrument Development for Biological Research.** BIO. Deadline: 8/26/05. Synopsis: Supports development of novel or substantially improved instrumentation likely to have a significant impact on the study of biological systems at any level. The development or improvement of software to improve instrument performance is also supported. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf05536
- **Division of Chemical and Transport Systems.** ENG. Deadline: 9/15/05. Synopsis: Funds research on industrial manufacturing processes and related natural processes. Includes the Chemical Reaction Processes, Fluid and Particle Processes, Interfacial, Transport, and Separation Processes, and Thermal Systems programs. URL: <http://www.nsf.gov/div/index.jsp?org=CTS>
- **Informal Science Education.** EHR. Deadline: 9/16/05 for preliminary proposals. Synopsis: This program invests in projects that develop and implement informal learning experiences designed to increase interest, engagement, and understanding of science, technology, engineering, and mathematics by individuals of all ages and backgrounds, as well as projects that advance the theory and practice of informal science education. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf05544
- **Research Initiation Grants and Career Advancement Awards.** BIO. Deadline: 7/5/05. Synopsis: RIGs are for beginning biological investigators to undertake activities that will lead to formulation of competitive grant applications. CAAs provides support for biological scientists to enhance their career development and competitiveness for research funds. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf05581

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National Science Foundation (continued)

- Promoting Understanding Through Synthesis. BIO. Deadline: 7/9/05. Synopsis: Accepting proposals aimed at synthesizing a body of related research projects conducted by a single individual or group of investigators over an extended period. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf05572

- Developmental and Learning Sciences. SBE. Deadline: 7/15/05. Synopsis: This program supports studies that increase our understanding of cognitive, linguistic, social, cultural, and biological processes related to children's and adolescents' development. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf02008

- Earth Sciences Research. GEO. Deadline: 7/16/05. Synopsis: The following programs share this deadline: EarthScope; Geobiology and Environmental Geochemistry; Geomorphology and Land Use Dynamics; Instrumentation and Facilities; Sedimentary Geology and Paleobiology. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf04613

- Faculty Early Career Development. NSF. Deadline: 7/19/05. Synopsis: A foundation-wide activity that offers awards in support of the early career-development activities of those teacher-scholars who most effectively integrate research and education projects. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf05579

- Science and Technology Studies. SBE. Deadline: 8/1/05. Synopsis: Supports research from various disciplines that contributes to systematic understanding of the character and development of science and technology, including their cultural, intellectual, material, and social dimensions. URL: <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf04531>

- Societal Dimensions of Engineering, Science, and Technology. SBE. Deadline: 8/1/05. Synopsis: Solicits proposals that examine questions that arise in the interactions of engineering, science, technology, and society. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf01152

- Microbial Observatories and Microbial Interactions and Processes. BIO. Deadline: 8/1/05. Synopsis: Supports research to discover and characterize novel microorganisms, microbial consortia, communities, activities and other novel properties, and to study their roles in diverse environments. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf04586

- Methodological Training for Cultural Anthropologists. SBE. Deadline: 8/1/05. Synopsis: This is an opportunity for methodological training by cultural anthropologists who are active researchers. The purpose is to help them upgrade their methodological skills by learning a specific analytical technique that will improve their research abilities. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf01129

- Division of Ocean Sciences. GEO. Deadline: 8/15/05. Synopsis: Supports basic research on all aspects of the global oceans. The following programs share this deadline: Marine Geology and Geophysics, Physical Oceanography, Chemical Oceanography, Biological Oceanography, and Ocean Technology and Interdisciplinary Coordination. URL: <http://www.nsf.gov/div/index.jsp?div=OCE>

- Innovation and Organizational Change. NSF. Deadline: 8/15/05. Synopsis: The goal is to improve effectiveness of the design, administration, and management of industrial, educational, service, government, nonprofit and voluntary organizations. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf04581

- Geography and Regional Science. SBE. Deadline: 8/15/05. Synopsis: Sponsors research on the geographic distributions and interactions of human, physical, and biotic systems. Investigations are encouraged into the nature, causes, and consequences of human activity and natural environmental processes. URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5410&org=BCS&from=home

- Political Science. SBE. Deadline: 8/15/05. Synopsis: Research areas include, but are not limited to, American government and politics, comparative government and politics, international relations, political behavior, political economy, and political institutions. URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5418&org=SES&from=home

- Sociology. SBE. Deadline: 8/15/05. Synopsis: Funds basic research on all forms of human social organization and processes of individual and institutional change. NSF encourages theoretically focused empirical investigations aimed at improving the explanation of fundamental social processes. URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5369&org=SES&from=home

- Law and Social Sciences. SBE. Deadline: 8/15/05. Synopsis: Supports social scientific studies of law and law-like systems of rules, institutions, processes, and behaviors. Proposals may locate the research within a single nation or between or across legal systems or regimes. URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5422&org=NSF&from=fund

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FIND FUNDING OPPORTUNITIES

COS - http://fundingopps.cos.com/ IRIS - http://www.library.uiuc.edu/iris/

National Science Foundation (continued)

■ Methodology, Measurement, and Statistics. SBE. Deadline: 8/16/05. Synopsis: Supports the development of new methods and models for the social and behavioral sciences. Proposals should be interdisciplinary in nature, methodologically innovative, and grounded in theory. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf04504

■ Solar, Heliospheric, and Interplanetary Environment. GEO. Deadline: 8/17/05. Synopsis: Major topics include variations in the solar wind, interplanetary magnetic field, and plasma structure; the initiation and propagation of coronal mass ejections; and the production, transport, and acceleration of energetic particles. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf04585

■ Decision, Risk and Management Sciences. SBE. Deadline: 8/18/05. Synopsis: Research is funded in the areas of judgment and decision making; decision analysis and decision aids; risk analysis, perception, and communication; societal and public policy decision making; management science and organizational design. URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5423&org=NSF&from=fund

■ Economics. SBE. Deadline: 8/19/05. Synopsis: Supports research from any area of economics designed to improve the understanding of the U.S. economy and the world system of which it is a part. This program also strengthens both empirical and theoretical economic analysis as well as the methods for rigorous research on economic behavior. URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5437&org=SES&from=home

■ Computing Research Infrastructure. CISE. Deadline: 8/22/05. Synopsis: Supports the acquisition, development, enhancement, and operation of research infrastructure that enables discovery, learning, and innovation in all computing fields. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf04588

■ MARGINS Program. GEO. Deadline: 8/1/05. Synopsis: Supports scientific initiatives on genesis and evolution of continental margins. Four focuses are supported: Rupturing Continental Lithosphere, Subduction Factory, Seismogenic Zone Experiment, and Source-to-Sink. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf05565

■ Division of Integrative Organismal Biology. BIO. Deadline: 7/12/05. Synopsis: Supports research aimed at integrative understanding of organisms as units of biological organization, with particular emphasis on their development, form, function, and evolution. URL: <http://www.nsf.gov/div/index.jsp?div=IOB>

University of California

■ Reproductive Scientist Development Program. UCSF. Deadline: 8/15/05 for letter of intent. Synopsis: A national postdoctoral career development program to train young obstetrician-gynecologists for academic investigative careers in fundamental biomedical science. It provides two to three years' support of full-time, mentored basic research. URL: <http://cas.ucsf.edu/rsdp/>

■ Pacific Rim Mini-Grants. UCOP. Deadline: 8/1/05. Synopsis: Small amounts of funding available for research from any discipline on the Pacific Rim, including Southeast Asia. Successful proposals are usually collaborative efforts to study the Pacific Rim and address problems specific to the region. URL: <http://www.ucop.edu/research/pacrim/welcome.html>

■ National Center for Ecological Analysis and Synthesis. UCSB. Deadline: 7/25/05. Synopsis: Supports Working Groups, small groups of scientists collaborating intensively on the analysis or synthesis of data. NCEAS is particularly interested in novel approaches to address pertinent ecological issues, even if they involve a high degree of risk. URL: <http://www.nceas.ucsb.edu/fmt/doc/?nceas-web/opportunity/rfp.html>

■ Sproul Research Fellowship in Canadian Studies. UCB. Deadline: 7/15/05. Synopsis: The Canadian Studies Program invites applications for awards of \$3,000-\$4,000 each. Preference will be given to young scholars who have completed the Ph.D. within the last several years. The Fellow will attend Program activities and give at least one presentation on a Canadian topic while in residence. URL: <http://ias.berkeley.edu/canada/sproul.htm>

Nonprofit Agencies

■ Smith Richardson Foundation. Domestic Public Research. Deadline: 7/1/05. Synopsis: Grants for research and writing on significant domestic public policy issues. Grantees are expected to produce a book or an article suitable for publication in a peer-reviewed journal. URL: http://www.srf.org/JF_Domestic_Description.htm

■ American Orchid Society. Deadline: 7/1/05. Synopsis: Grants available for conservation, experiments, and fundamental and applied research on orchids. The purpose is to advance the conservation, preservation, and study of orchids in every respect, as well as to assist in the publication of scholarly and popular scientific literature on orchids. URL: <http://www.orchidweb.org/aos/research/research.aspx?sec=2>

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Nonprofit Agencies (continued)

- American Heart Association. Scientist Development Grant. Deadline: 7/12/05. Synopsis: Supports highly promising beginning scientists in their progress toward independence. The grant funds research broadly related to cardiovascular function and disease, stroke or to related clinical, basic science, bioengineering or biotechnology, and public health problems. URL: <http://www.americanheart.org/presenter.jhtml?identifier=3004142#SDG>
- American Health Assistance Foundation. Macular Degeneration. Deadline: 7/13/05. Synopsis: Grants of \$50,000 per year for basic research on the causes of or treatments for age-related and degenerative diseases. URL: <http://www.ahaf.org/macular/research/grants.htm>
- Leakey Foundation. Deadline: 7/15/05. Synopsis: Funding to further research into human origins. Priorities include research into the environments, archeology, and human paleontology; into the behavior, morphology, and ecology of the great apes and other primate species; and into the behavioral ecology of contemporary hunter-gatherers. URL: <http://www.leakeyfoundation.org/grants/g2.jsp>
- Samuel H. Kress Foundation. Old Masters in Context Program. Deadline: 7/15/05. Synopsis: Grants fund expanded presentation to the public of works of European art in the permanent collections of US museums and public institutions through interpretation of original context or structure and materials. URL: <http://www.kressfoundation.org/kressorg/oldmga.html>
- National Alliance for Research on Schizophrenia and Depression. Young Investigator Award. Deadline: 7/25/05. Synopsis: Provides support up to \$30,000 per year for advanced postdoctoral scientists and assistant professors conducting neurobiological research relevant to schizophrenia, major affective disorders, or other serious mental illnesses. URL: <http://www.narsad.org/research/apply/young/>
- Korea Foundation. Field Research. Deadline: 7/31/05. Synopsis: Supports field research in Korea. Projects may be in the humanities, social sciences, culture, and arts, and should be related to the country. URL: http://www.kofo.or.kr/english/guideline/g1_1.html
- Matsumae International Foundation. Deadline: 7/31/05. Synopsis: Invites researchers under 40 who have never been to Japan to visit a host institution of their choice for a period of three to six months. Research in natural science, engineering and medicine is given first priority. URL: <http://www.mars.dti.ne.jp/~mif/qchap2.htm>
- Wiley Foundation. Wiley Prize in Biomedical Sciences. Deadline: 7/31/05. Synopsis: A \$25,000 award intended to recognize contributions that have opened new fields of research or advanced novel concepts or their applications in a particular biomedical discipline. URL: <http://www.wiley.com/legacy/wileyfoundation/>
- Institute of Electrical and Electronics Engineers. Deadline: 7/31/05. Synopsis: Offers three prizes that share this deadline: the Sidney Fernbach Award (for contributions to high performance computing), the Computer Science and Engineering Undergraduate Teaching Award, and the Seymour Cray Computer Engineering Award (for creative innovations in high performance computing). URL: <http://www.computer.org/awards/>
- American Association for the Advancement of Science. Awards. Deadline: 7/31/05. Synopsis: Multiple awards available for research and education efforts in the sciences. All provide a monetary prize as well as reimbursement for travel to the annual AAAS meeting. URL: <http://www.aaas.org/aboutaaas/awards/>
- Institute of Current World Affairs. Deadline: 8/1/05. Synopsis: Provides individuals with an opportunity to develop a deep understanding of any specific issue in Burma, the Baltic States, Brazil, Cuba, Iran, Japan, Korea, Mongolia, North Africa, Poland, and Russia, as well as the Middle East and East-Central Europe more generally. Research on Iran is particularly welcome this year. URL: <http://www.icwa.org/#anchor110081>
- American Society of Tropical Medicine and Hygiene. Gorgas Memorial Institute Research Award. Deadline: 8/1/05. Synopsis: Assists junior investigators with establishing collaborative biomedical research projects focusing on tropical diseases of health importance to people living in the Americas and learning new techniques and approaches applicable to the study of such diseases. URL: <http://www.astmh.org/funding/gorgasad.cfm>
- Guggenheim Foundation. Research on Violence, Aggression and Dominance. Deadline: 8/1/05. Synopsis: The foundation welcomes proposals from any of the natural and social sciences and the humanities that promise to increase understanding of the causes, manifestations, and control of violence, aggression, and dominance. URL: <http://www.hfg.org/rg/guidelines.htm>
- Fulbright Scholar Awards. Deadline: 8/1/05. Synopsis: Offers grants of four to nine months to conduct research and/or teach at a host institution in foreign countries. URL: <http://www.fulbright.ca/en/seniorscholar.asp>

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Nonprofit Agencies (continued)

- Dreyfus Foundation. Special Grant in Chemical Sciences. Deadline: 8/25/05. Synopsis: Faculty with emeritus status and active research programs in the chemical sciences may apply for these awards of \$10,000 per year. The funds are meant to allow undergraduates to do research under their guidance. URL: <http://www.dreyfus.org/si.shtml>
- United States Poultry and Egg Association. Deadline: 8/31/05. Synopsis: The council solicits research proposals that would develop new and increased utilization of poultry rendering products. The council is interested in improving the industrial applications of poultry fat by either chemical, microbial or mechanical modification. URL: <http://www.poultryegg.org/PPFC/ppfcreq.html>
- Munson Foundation. Deadline: 8/31/05. Synopsis: Grants up to \$80,000 for conservation of natural resources in North America and the Caribbean Basin, with emphasis on the United States. URL: <http://www.munsonfdn.org/guide.htm>
- Nasdaq Educational Foundation Grants. Deadline: 9/1/05. Synopsis: Seeks proposals for educational projects or programs, curriculum development efforts, and study and research that will advance the foundation's mission of "financial markets literacy". URL: http://www.nasdaq.com/services/education_initiatives.stm
- Research Corporation. Cottrell Scholars Awards. Deadline: 9/1/05. Synopsis: Awards for tenure-track beginning faculty members in a department of astronomy, chemistry, or physics, intended to assist them in achieving excellence in research and teaching. Eligibility is limited to those in the third year of their first tenure-track position. URL: <http://www.rescorp.org/csa/csa.htm>
- Cystic Fibrosis Foundation. Deadline: 9/1/05. Synopsis: Research Grants and Pilot and Feasibility Awards available for research on cystic fibrosis. Research Grants go toward projects that focus on the basic etiology and pathogenesis of CF or that contribute to development of new therapies for CF. URL: http://www.cff.org/research/cystic_fibrosis_foundation_grants/research_grants/
- Spinal Cord Research Foundation. Deadline: 9/1/05. Synopsis: Supports basic, clinical, psychosocial, and technological research of importance to persons with spinal cord injury or disease. URL: <http://www.pva.org/res/scr/funding.htm>
- American Lung Association. Independent Investigator Awards. Deadline: 9/1/05. Synopsis: This program includes Research Grants, Social-Behavioral Research Grants, and Career Investigator Grants. They provide seed funding (\$40,000 to \$60,000 per year) for research on the mechanisms of lung disease, general lung biology, and psychosocial and behavioral matters relevant to lung disease. URL: <http://www.lungusa.org/site/pp.asp?c=dvLUK9O0E&b=486859>
- American Lung Association. Alliance Award Program. Deadline: 9/1/05. Synopsis: Special research initiatives to provide opportunities to focus on targeted lung disease/health issues as well as work with medical societies in the funding of high-level lung disease research. URL: <http://www.lungusa.org/atf/cf/{7A8D42C2-FCCA-4604-8ADE-7F5D5E762256}/nrapaward0607.pdf>
- American Educational Research Association. Deadline: 9/1/05. Synopsis: This research grant program sponsors research using NCES, NSF, and other national data sets. Projects should focus on issues relevant to U.S. education policy and practice. URL: http://www.aera.net/grantsprogram/res_training/res_grants/RGFly.html
- Arthritis Foundation. Deadline: 9/1/05. Synopsis: Offers Career Development Awards and Established Investigator Awards for researchers doing work on arthritis, including fundamental biomedical science and behavioral science. URL: <http://www.arthritis.org/research/ProposalCentral.asp>
- Floriculture Industry Research and Scholarship Trust. Deadline: 9/1/05. Synopsis: Funds research to improve the production and marketability of plants. URL: http://www.firstinloriculture.org/rg_req_app.htm
- Alcoholic Beverage Medical Research Foundation. Deadline: 9/1/05. Synopsis: Grants for research on important aspects of alcohol consumption and its effects. Areas of interest include: transitions in drinking patterns; effects of moderate use of alcohol on health; behavioral and biomedical effects of alcohol; and the etiology of alcohol misuse. URL: <http://www.abmrf.org/grants.htm>
- Samuel Rubin Foundation Grant. Deadline: 9/1/05. Synopsis: Supports any project dedicated to the pursuit of peace and justice and the search for an equitable reallocation of the world's resources. URL: <http://www.samuelrubinfoundation.org/guidelines.html>
- Equipment Leasing and Finance Foundation. Research Grants. Deadline: 9/1/05. Synopsis: A \$10,000 honorarium for research to expand the body of knowledge about equipment lease financing in the U.S. economy. URL: <http://www.leasefoundation.org/grant/about.htm>
- Marijuana Policy Project. Marijuana Research. Deadline: 9/1/05. Synopsis: Seeks proposals for objective, publishable, scientifically rigorous research on marijuana and marijuana policy, with the aim of contributing to policy reform. URL: <http://www.mpp.org/grants/index.html>

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Nonprofit Agencies (continued)

- Cancer Research Foundation of America. Research and Education Grants. Deadline: 9/14/05. Synopsis: Supports cancer prevention research, whether it is basic, translational, or clinical, as well as cancer-related education projects. URL: <http://www.preventcancer.org/research/index.cfm>
- Fats and Proteins Research Foundation. Deadline: 9/15/05. Synopsis: Sponsors research projects concerned with increasing the utilization of rendered animal by-products produced by the inedible rendering industry, as well as with the ecological aspects of the rendering process. URL: <http://www.fprf.org/projects/proposals.htm>
- Scleroderma Foundation. Deadline: 9/15/05. Synopsis: Research grants related to scleroderma. Studies may be carried out at the molecular, cellular, animal, or patient levels in relevant scientific disciplines. URL: <http://www.scleroderma.org/research/researchhome.htm>
- Alfred P. Sloan Foundation. Science and Technology Fellowships. Deadline: 9/15/05. Synopsis: Awards to enhance the careers of young faculty members in seven fields: chemistry, computational and evolutionary molecular biology, computer science, economics, mathematics, neuroscience, and physics. URL: http://www.sloan.org/programs/scitech_fellowships.shtml
- National Rosacea Society. Deadline: 9/15/05. Synopsis: Supports research on rosacea, with high priority given to such areas as the pathogenesis, progression, mechanism of action, cell biology, and potential genetic factors of this widespread disorder. URL: <http://www.rosacea.org/grants/index.html>
- Alliance for Cancer Gene Therapy. Young Investigator Award. Deadline: 9/15/05. Synopsis: This grant is meant to advance gene therapy into the causes, treatment, and prevention of all types of cancer by promoting development of novel and innovative studies by tenure-track assistant professors. URL: <http://www.acgtfoundation.org/research.html#young>
- Alliance for Cancer Gene Therapy. Investigators Award. Deadline: 9/15/05. Synopsis: A three to five year grant for tenure-track or tenured faculty who are working in the field of gene therapy for lymphoma and leukemia. URL: http://www.acgtfoundation.org/lymphoma_award.html
- Beverly Willis Architecture Foundation. Deadline: 9/15/05. Synopsis: Offers funding to projects that advance the study and expand the recognition of women in architecture and related professions. This emphasizes projects that focus on the contributions of women active in these professions in the United States during the period 1950-1980. URL: <http://www.bwaf.org/grants.html>
- Artwork for the Permanent Collection. Alameda County Art Commission. Deadline: 9/16/05. Synopsis: The Commission is accepting submission for public artwork for the new Juvenile Justice Center in San Leandro. URL: <http://www.acgov.org/arts>
- Society for Technical Communication. Annual Award. Deadline: 6/30/05. Synopsis: A \$10,000 award for qualified researchers to fund research in any area of technical communication. URL: http://www.stc.org/grantsResearch_about.asp
- Children's Leukemia Research Association. Deadline: 6/30/05. Synopsis: Awards grants of up to \$20,000 each to doctors who are conducting promising research towards isolating the causes of and finding a cure for leukemia.
- American Institute for Cancer Research. Deadline: 7/1/05. Synopsis: Investigator-Initiated Research Grants and Matching Grants available for research on the dietary and nutritional means of preventing and treating cancer. URL: http://www.aicr.org/research/research_grants.lasso
- Joan's Legacy Research Grants. Deadline: 7/1/05. Synopsis: Invites grant applications for institutional research that studies lung cancer, especially the genetic basis and biology of bronchoalveolar carcinoma. This funding is intended primarily as seed money for promising new work. URL: http://www.joanslegacy.org/grant_app.html
- Juvenile Diabetes Research Foundation. Regular Research Grants. Deadline: 7/15/05. Synopsis: Supports research projects investigating the cause, treatment, prevention, and/or cure of diabetes and its complications. Both new and/or established researchers are supported. URL: http://www.jdrf.org/index.cfm?page_id=102761
- American Diabetes Association. Research Awards. Deadline: 7/15/05. Synopsis: Awards to both new and established investigators for research relevant to the etiology or pathophysiology of diabetes and its complications. Innovation Awards are also available for pilot projects. URL: <http://www.diabetes.org/diabetes-research/research-grant-application-forms/nationwide-research-awards.jsp>
- Greenwall Foundation. Interdisciplinary Program in Bioethics. Deadline: 8/1/05. Synopsis: Provides funding for physicians, lawyers, philosophers, economists, theologians, and other professionals to address micro and macro issues in bioethics, providing guidance for those engaged in decision making. URL: <http://www.greenwall.org/exguide.html>
- Polycystic Kidney Disease Foundation. Deadline: 8/1/05. Synopsis: Supports basic or clinical research on autosomal dominant polycystic kidney disease or autosomal recessive polycystic kidney disease. URL: <http://www.pkdcure.org/profess4.htm>

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Nonprofit Agencies (continued)

- Asian Cultural Council. Deadline: 8/1/05. Synopsis: Programs assist American scholars with research in Asia, including the Asian Art and Religion Program and the Humanities Fellowship Program. URL: <http://www.asianculturalcouncil.org/programs.html#6>
- Ploughshares Fund. Deadline: 8/1/05. Synopsis: The Fund supports initiatives to prevent the spread and use of nuclear, biological and chemical weapons and other weapons of war, and to prevent conflicts that could lead to the use of weapons of mass destruction. URL: http://www.ploughshares.org/how_to_apply.php?a=2&b=21&c=0
- National Research Council. Research Associateship Program. Deadline: 8/1/05. Synopsis: Postdoctoral and Senior Research Awards support conducting research at a specific federal laboratory or NASA Research Center. URL: <http://www4.nationalacademies.org/pga/rap.nsf>
- Komen Breast Cancer Foundation. Research Grants. Deadline: 8/2/05. Synopsis: Several grant mechanisms for support of breast cancer research, including Basic, Clinical, and Translational Research Grants and Population-Specific Research Grants. URL: http://www.komen.org/intradoc-cgi/idc_cgi_isapi.dll?IdcService=SS_GET_PAGE&nodeId=390
- National Multiple Sclerosis Society. Deadline: 8/3/05. Synopsis: This program supports fundamental as well as applied studies on MS. These may be nonclinical or clinical in nature, including projects in patient management, care, and rehabilitation. URL: <http://www.nationalmssociety.org/Research-Grants.asp>
- Russell Sage Foundation. Project Grants. Deadline: 8/10/05. Synopsis: Supports basic social science research. While these are mainly for analyzing data and writing up results, larger awards for data acquisition projects are also considered. URL: <http://www.russellsage.org/about/whatwedo/howtoapply/awards>
- Juvenile Diabetes Research Foundation. Innovative Grants. Deadline: 8/15/05. Synopsis: Provides "seed" money for highly innovative basic and clinical research relevant to Type 1 diabetes. URL: http://www.jdrf.org/index.cfm?page_id=102763
- American Heart Association. Established Investigator Grant. Deadline: 7/12/05. Synopsis: Supports mid-term investigators with unusual promise in research related to CVD and stroke. Special priorities are improving population/behavioral methods to advance the AHA's goals and improving therapy, quality of care and systems of healthcare delivery. URL: <http://www.americanheart.org/presenter.jhtml?identifier=3019795>

Contract and Grant Awards in April

- Amundson, Ronald G., ESPM: Ecosystem Sciences, \$468,343, NSF, "Role of Rainfall on the Geochemical Evolution of Soils: The Atacama Desert of Chile."
- Arens, Edward A., CEDR, \$74,915, San Diego State University Foundation, "Development of a Wireless Lighting Control System."
- Barcellos, Lisa F., Public Health, \$15,336, UCSF, "Genetic Mapping in Multiple Sclerosis."
- Bertozzi, Carolyn R., Chemistry, \$1,692,544, National Institute of General Medical Sciences, "Metabolic Oligosaccharide Engineering."
- Botchan, Michael, MCB, \$2,156,946, National Cancer Institute, "Regulatory Interactions Between Tumor Viruses and Cells."
- Budker, Dmitry, Physics, \$75,000, NSF, "IRES: New Research Opportunities for Global Scientists in Eastern Europe."
- Cain, Bruce, Institute of Governmental Studies, \$115,000, James Irvine Foundation, "Redistricting Reform in California."
- Chen, Lu, MCB, \$15,000, National Alliance for Research on Schizophrenia/Depression, "Dissecting the Interaction Between Serotonin System and Glutamate Transmission in Major Depressive Disorder."
- Chopra, Anil K., EERC, \$65,000, Army Corps of Engineers, "Earthquake Analysis of Concrete Dams: Development of Perfectly Matched Layers and Implementation in Dyna3d Computer Code."
- Coburn, Cynthia, Education, \$89,714, University of Pittsburgh, "The MacArthur Meta Study."
- Coburn, Cynthia, Education, \$20,502, University of Pittsburgh, "Towards Producing Usable Knowledge for the Improvement of Education Practice."
- Cohen, Ronald C., Chemistry, \$142,532, NASA Goddard Space Flight Center, "Measurements of NO_y for Aura Validation."
- Cole, Robert W., Cal Performances, \$30,000, NEA, "2005 International Dance Masters."
- Daane, Kent, ESPM: Insect Biology, \$40,000, American Vineyard Foundation, "Investigating the Grape Mealybug Complex and Its Natural Enemies to Improve Biological Control."
- Daane, Kent, ESPM: Insect Biology, \$30,000, American Vineyard Foundation, "Use of Vine Mealybug Sex Pheromone for Monitoring and Mating Disruption."
- De Pater, Imke, Astronomy, \$287,228, NASA Goddard Space Flight Center, "Titan: Observations during the Cassini Era."
- Evans, Lawrence C., CPAM, \$399,145, NSF, "Nonlinear Partial Differential Equations."

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C&G Awards in April (continued)

- Filippenko, Alexei V., Astronomy, \$43,216, NASA Goddard Space Flight Center, "Ground-Based Optical and Near-Infrared Studies of Swift Gamma-Ray Bursts."
- Fisher, George H., SSL, \$427,419, NASA Goddard Space Flight Center, "The Physics of Active Regions."
- Fleming, Sharon, Nutritional Sciences and Toxicology, \$147,320, National Cancer Institute, "Targeted Delivery of Butyrate to the Colon in Mice."
- Francis, Matthew B., Chemistry, \$1,421,029, National Institute of General Medical Sciences, "The Symthetic Strategies for Protein Engineering."
- Frechet, Jean, Chemistry, \$75,000, Ohio State University (Research Foundation), "NSEC: Center for Affordable Nanoengineering of Polymer Biomedical Devices."
- Frey, Harald, SSL, \$266,547, NASA Goddard Space Flight Center, "Aurora and Plasmasphere."
- Gallant, Jack L., Helen Wills Neuroscience Institute, \$1,470,775, National Eye Institute, "Shape Representation and Attention."
- Getz, Christina M., ESPM: Society and Environment, \$50,000, State of California Dept. of Health Services, "Assessing Food Security Among Agricultural Workers in California's Central Valley."
- Gong, Peng, ESPM: Ecosystem Sciences, \$79,415, USGS, "Cheatgrass (*Bromus Tectorum*) Habitat Modeling and Distribution Monitoring Using LANDFIRE Data in Central."
- Graburn, Nelson H., Phoebe A Hearst Museum of Anthropology, \$40,000, NEH, "Objects and Agency: Creativity and Continuity in Native Alaska Material Culture."
- Graburn, Nelson H., Anthropology, \$8,228, NSF, "SGER: Yatsushiro Research Materials Repatriation."
- Harrison, Victoria, Parking and Transportation, \$51,750, Bay Area Air Quality Management District, "UC Berkeley Transportation Alternative Marketing and Outreach Project."
- Hebets, Eileen A., ESPM: Insect Biology, \$240,000, Chicago Community Trust, "Exploring the Neural Basis of Complex Behavior in Amblypygids (Class Arachnids, Order Amblypygi)."
- Herd, Denise A, Public Health, \$23,000, Alameda-Contra Costa Medical Association, "Alameda County Language Access Project."
- Hudson, Hugh, SSL, \$162,013, NASA Goddard Space Flight Center, "Ribbon and Footprint Development in Solar Flares."
- Hull, Glynda, Education, \$250,000, State of California, "Promoting Academic Achievement, Digital Literacy, and Cultural Enrichment for Youth and Families in East Oakland: A University, Community, and School."
- Hurley, Kevin, SSL, \$35,000, NASA Goddard Space Flight Center, "Observations of Known and Unknown Soft Gamma Repeaters in Active State Serendipitously Detected by Integral."
- Kastenber, William E., IESE, \$456,704, DOE Misc Offices and Programs, "Development of Risk-Based and Technology-Independent Safety Criteria for Generation IV Systems."
- Klinman, Judith P., Chemistry, \$1,203,936, NSF, "Linking Protein Dynamics to Hydrogen Tunneling."
- Kramer, Edith, BAM/PFA, \$100,000, Packard Humanities Institute, "PFA Exhibition and Collections."
- Landis, John D., IURD, \$19,500, Urban Land Institute, "San Francisco Bay Area Public Officials Leadership Forum."
- Lee, Luke P., ERL, \$75,000, National Academy of Sciences, "Quantum Nanoplasmonic Probes for Molecular Imaging."
- Leonard, Thomas C., Public Health Library, \$212,770, State of California Environmental Health Hazard Assessment, "Public Health Library - Occupational and Environmental Health Hazard Assessment - OEH5."
- Leone, Stephen R., Chemistry, \$407,000, NSF, "State Control in Coherent Multiple Photon Processes."
- Levine, David I., Business, \$50,000, William and Flora Hewlett Foundation, "Measuring and Reporting Social, Environmental, and Financial Performance."
- Lin, Liwei, Mechanical Engineering, \$10,000, SNL, "Development of Liquid Metal Electrical Contact Systems."
- Lin, Robert P., SSL, \$390,000, NASA Goddard Space Flight Center, "Analysis of Data from the 3-D Plasma and Energetic Particle Experiment on the GGS Wind Spacecraft."
- Lindberg, David R., Museum of Paleontology, \$46,440, NSF, "Outreach Workshop for Geoscientists."
- Linn, Marcia C., Education, \$2,388,349, NSF, "Mentored and Online Development of Educational Leaders for Science (MODELS)."
- Liu, Fenyong, Public Health, \$1,697,000, National Institute of Dental Research, "Cytomegalovirus Infections in Oral Cavity."
- Lowell, Waverly B., CEDR, \$2,000, Koret Foundation, "College of Environmental Design: Gardner Dailey Archive Preservation Project."
- Maboudian, Roya, Chemical Engineering, \$30,001, ChevronTexaco Corporation, "Interaction of Molecular Diamond with Si Surfaces."
- Maboudian, Roya, Chemical Engineering, \$29,845, UC Discovery Grant-Electron Manufacturing and New Material, "Interaction of Molecular Diamond with Si Surfaces."

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C&G Awards in April (continued)

- Madanat, Samer M., ITS, \$71,283, Caltrans, "Improving Bay Area Rapid Transit (BART) District Connectivity and Access with the Segway Human Transporter. Other Low-Speed, Electric Mobility."
- Madanat, Samer M., ITS, \$78,733, Caltrans, "New Task Order Interagency Master Agreement."
- Manga, Michael, Earth and Planetary Science, \$86,510, NSF, "Investigating the Relationship Between Plume Dynamics and ULVZ Geometry."
- Micco, Gaetan P., Health and Medical Sciences, \$136,350, UC Office of the President, "Academic Geriatric Program."
- Midgley, James, Social Welfare, \$50,000, Wallace Alexander Gerbode Foundation, "The Wallace Alexander Gerbode Foundation Grant Agreement."
- Miller, William H., Chemistry, \$0, University of Utah, "A New Research Tool for the Computer Simulation of Chemical Dynamics in Complex Systems."
- Mills, Nicholas J., ESPM: Insect Biology, \$198,482, California Dried Plum Board, "Prune Aphids: Fall Migration, Biological Control and Impact on Prune Production."
- Packard, Andrew K., ESRC, \$97,000, Air Force Office of Scientific Research, "Development of Analysis Tools for Certification of Flight Control Laws."
- Padilla, Genaro, Center for Educational Outreach, \$72,679, City of Oakland, "Eastmont College Resource Zone."
- Patterson, David A., ERL, \$88,400, UC MICRO, "ROC: Recovery Oriented Computing."
- Patzek, Tadeusz, IESE, \$290,000, University of Houston, "Advance Reservoir Imaging Using Frequency Dependent Seismic Attributes."
- Peterson, Per F., ESRC, \$576,957, DOE Idaho Operations Office, "Development and Analysis of Advanced High-Temperature Technology for Nuclear Heat Transport and Power Conversion."
- Peterson, Per F., ESRC, \$60,000, SNL, "Z-Pinch Fusion Energy Research."
- Powell, Thomas M. (Zack), IB, \$184,425, NSF, "Collaborative: US-GLOBEC NEP Phase IIIa-CCS: Effects of Meso- and Basin-Scale Variability on Zooplankton Populations in the CCS Using Data."
- Rabaey, Jan M., ERL, \$250,000, UC CIEE, "Service Based University Application Interface for Demand Response Energy Systems."
- Rector III, James W., IESE, \$240,000, Colorado School of Mines, "Measurement and Interpretation of Seismic Attenuation for Purposes for Hydrocarbon Exploration."
- Robey, Ellen A., MCB, \$1,749,791, National Institute of Allergy and Infectious Diseases, "Visualizing of Immune Responses to Toxoplasma Gondii."
- Scheffler, Richard, Public Health, \$1,057,579, California HealthCare Foundation, "The Impact of Proposition 63 on the Financing and Delivery of Mental Health Programs in California."
- Shortell, Stephen M., IBER, \$249,999, California HealthCare Foundation, "National Study of Physician Organizations and the Management of Chronic Illness II."
- Siegmund, Oswald H. W., SSL, \$15,000, NASA Goddard Space Flight Center, "NEXUS Support."
- Skabardonis, Alexander, Civil and Environmental Engineering, \$74,929, Caltrans, "Evaluation of the Freeway Service Patrol (FSP) I-710 Big-Rig Demonstration Program."
- Slaman, Theodore, CPAM, \$375,000, NSF, "Recursion Theory and Effective Aspects of Randomness."
- Sturmfels, Bernd, CPAM, \$429,184, NSF, "Computational Algebraic Geometry."
- Tomizuka, Masayoshi, ESRC, \$30,560, NSF, "Joint US-China Workshop on the Integrated Sensing Systems, Mechatronics and Smart Structures Technologies."
- Varaiya, Pravin P., ITS, \$59,536, Caltrans, "PeMS Version 6.5 (Additional Work in Support of PeMS6)."
- Vargas, Claudio B., LHS, \$27,000, UCOP, "Bay Area Science Project."
- Wachs, Martin, ITS, \$26,631, ICF Inc., "Research for the AASHTO Standing Committee on Planning, Metropolitan-Level Transportation Funding Sources."
- Weinstein, Rhona S., Psychology, \$5,000, American Psychological Association, Inc., "Advances in Theory and Research on Family Development and Family-Based Prevention and Policy: A Festschrift in Honor of Philip A. Cowan."
- Werblin, Frank S., MCB, \$196,840, DARPA, "Investigation of Retinal Prosthetics Parameters Using Te NRL Micro-electrode Array."
- Werthimer, Dan, SSL, \$189,979, Cornell University, "GALFA Spectrometer."
- White, Martin, Theoretical Astrophysics Center, \$245,000, NASA Goddard Space Flight Center, "Weak Gravitational Lensing Theory."
- Wirth, Brian, ESRC, \$48,000, LLNL, "Damage Accumulation and Mechanical Properties in Molybdenum Alloys."
- Wunderer, Cornelia, SSL, \$200,000, NASA Wallops Flight Facility, "Quartz Laue Lens for Gamma-Ray Astronomy - A Deeper Look into the Fires of Creation."
- You, Clare, Institute of East Asian Studies, \$140,000, Koret Foundation, "Projects of the Center for Korean Studies."

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