

RESEARCH ADVOCATE

SPONSORED PROJECTS OFFICE, UNIVERSITY OF CALIFORNIA, BERKELEY

APRIL 2005

A Newsletter for
Berkeley Researchers



Inside...

National Academies May 6 Workshop on Deemed Export Recommendations	2
NSF CAREER Deadlines in July	2
NIH Reminder: Use New PHS 398 and 2590 Forms	2
NSF Proposal Funding Rate Hits 15-Year Low in FY 2004	3
Hints for Success from NSF	3
Program Announcements	
Federal	3
State of California	11
University of California	11
Nonprofit Agencies	12
Contract and Grant Awards	15

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

Commerce Department Requests Comments on Deemed Export Controls

In the March 28 *Federal Register*, the Department of Commerce issued an advance notice of proposed rulemaking, "Revision and Clarification of Deemed Export Related Regulatory Requirements," requesting public comments on recommendations published in a report from the Commerce Department's Inspector General (IG), *Deemed Export Controls May Not Stop the Transfer of Sensitive Technology to Foreign Nationals in the U.S.* The recommendations are for changes in export control regulations that would affect the participation of foreign students and scholars in research.

The Commerce Department is seeking comments in three areas: clarification of the definition of use of technology subject to the Export Administration Regulations (EAR); use of a foreign national's country of birth as a criterion for deemed export licenses; and modification of regulatory guidance on licensing technology to foreign nationals working with federally sponsored research and research conducted in universities.

Comments are due by May 27, 2005, on how these revisions would affect industry, the academic community, and U.S. government agencies involved in research. The UC Office of the President plans to submit comments.

For more information, see the *Federal Register* announcement available at <http://a257.g.akamaitech.net/7/257/2422/01jan20051800/edocket.access.gpo.gov/2005/05-6057.htm>; the March 2004 Commerce IG report at <http://www.oig.doc.gov/oig/reports/2004/BIS-IPE-16176-03-2004.pdf>; and the Association of American Universities *Summary of University Concerns with Commerce IG Report* at <http://www.aau.edu/research/CommerceIGRpt.pdf>.

NSF Cracking Down on Late Progress Reports

The National Science Foundation is increasing scrutiny on late and never-submitted progress reports and final reports. NSF is currently seeing non-submission rates of about 50 percent. Sponsored Projects Office staff recently have received several phone calls from NSF program officers inquiring about missing reports. This is a new development; previously SPO hasn't received this type of call from NSF.

In fall, NSF plans to roll out a new notification system that will remind principal investigators and institutions that reports are due. SPO will provide updates as new information about the system is available.

Would You Like to Work at SPO?

The Sponsored Projects Office is now recruiting for a Senior Administrative Analyst position and will soon also be listing two Administrative Analyst positions.

The Senior Administrative Analyst will work in the non-federal unit, reporting to the Assistant Director of non-federal projects. The job description is available on SPO's web site at <http://www.spo.berkeley.edu/position.html>. For information about applying, see <http://jobs.berkeley.edu/>. The position is listed under the "Administration/Management" job category, job requisition #2616.

The Administrative Analyst positions should be posted soon, and the job descriptions will also be linked on the SPO web site.

National Academies May 6 Workshop On Deemed Export Recommendations

The National Academies are hosting an informational workshop on the Commerce IG recommendations regarding deemed export policies. The session will be held Friday, May 6, 8:15 a.m. to 12:00 noon, in Washington, D.C.

The workshop will feature officials from the Department of Commerce as well as representatives of industry, universities, and federal research agencies. The purpose is to help the affected communities better understand the IG's recommendations in time to submit comments by the May 27 deadline.

Those who cannot attend in person may participate in the workshop by listening to a live audio webcast and submitting questions using an e-mail form.

Additional information about the workshop is available at <http://www7.nationalacademies.org/rscans/>.

NSF CAREER Deadlines in July

The National Science Foundation Faculty Early Career Development (CAREER) Program is NSF's most prestigious awards program for junior faculty members. The program provides stable support at a sufficient level and duration to enable awardees to develop careers as outstanding teacher-scholars in the context of the mission of their organization. NSF especially encourages applications from women, members of underrepresented minority groups, and persons with disabilities.

The CAREER award is for five years. The minimum award totals \$400,000, or \$500,000 for the Biological Sciences Directorate. The web site is http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5262.

Proposal deadlines are staggered by NSF directorate:

- July 19, 2005: Biological Sciences; Computer and Information Science and Engineering; Education and Human Resources
- July 20, 2005: Engineering
- July 21, 2005: Geosciences; Mathematical and Physical Sciences; Social, Behavioral and Economic Sciences; Office of Polar Programs

NIH Reminder: Use New PHS 398 and 2590 Forms

The National Institutes of Health requires that the revised instructions and forms (9/04) for the PHS 398 and PHS 2590 be used for receipt/submission of applications on or after:

- May 10, 2005 for the PHS 398
- May 1, 2005 for the PHS 2590

See <http://grants.nih.gov/grants/forms.htm> for more information.

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NSF Proposal Funding Rate Hits 15-Year Low in FY 2004

An increased number of proposals without a matching increase in budget resulted in a 15-year low in success rates for National Science Foundation proposals. NSF funded only one in four proposals last year, according to the *Report to the National Science Board on the National Science Foundation's Merit Review Process Fiscal Year 2004*, issued March 2005.

The report highlights include:

- NSF took action on 43,851 competitively reviewed proposals, and provided funding to 10,380 of them during FY 2004. This resulted in an overall funding rate of 24 percent. The number of proposals reviewed increased by 9 percent over FY 2003 and 25 percent over FY 2002.
- The average annualized award amount for research grants in FY 2004 was \$139,522, an increase of 3 percent above the previous year and 22 percent above FY 2002. Adequate award size is important for attracting high quality proposals and for ensuring that proposed work can be accomplished as planned. However, increasing award size inevitably affects the funding rate. The FY 2004 funding rate was the lowest in 15 years.

The report, available at <http://www.nsf.gov/nsb/>, provides detailed information and statistics on proposals and awards and on the merit-review process at NSF.

Hints for Success from NSF

Sponsored Projects Office staff who attended National Science Foundation workshops in March came back with some helpful advice for potential NSF applicants.

- NSF has more funding for program announcements and solicitations than for unsolicited proposals.
- Carefully read program announcements, and pay attention to program goals, eligibility factors, and special proposal preparation and/or award requirements.
- Discuss ideas with NSF program managers about proposed projects, specific program requirements/limitations, and current program patterns.
- Pay attention to NSF priority areas: nanoscale science and engineering, biocomplexity in the environment, human and social dynamics, and mathematical sciences. See http://www.nsf.gov/news/priority_areas/index.jsp for details on each area.

Investigators are also advised to use resources on the NSF web site, specifically the section, "Specialized Information for the Research and Education Community" (http://www.nsf.gov/funding/research_edu_community.jsp), which includes the *Grant Proposal Guide*, "Frequently Asked Questions," and funding program information.

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>

■ Animal Genomics. Cooperative State Research Education and Extension Service (CSREES) . Deadline: 6/15/05. Synopsis: Supports research permitting the genetic selection of animals with superior production traits. URL: <http://www.csrees.usda.gov/fo/fundview.cfm?fonum=1066>

■ Functional Genomics of Agriculturally Important Organisms. CSREES NRI. Deadline: 6/15/05. Synopsis: The goal is to increase the understanding of the biological role of gene sequences in agriculturally important plants, animals, insects, and microbes, and to link these sequences to physiological functions or agricultural and food processes. URL: <http://www.csrees.usda.gov/fo/fundview.cfm?fonum=1091>

■ Air Quality. CSREES NRI. Deadline: 6/15/05. Synopsis: The goal is to develop emission data for agriculture, forest, and range production practices, and to improve understanding of odor, gases, and particulate matter measurement, production, flux, fate, and transport, especially with regard to compounds regulated by state and federal agencies. URL: <http://www.csrees.usda.gov/fo/fundview.cfm?fonum=1062>

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

■ Very High Efficiency Solar Cell. DARPA. Deadline: 5/17/05 for initial selections. Synopsis: The objective of the program is to demonstrate at least 50% efficiency in a photovoltaic device. The program requires that teams be formed to comprehensively address all aspects of the high-efficiency PV problem. URL: <http://www.darpa.mil/ato/solicit/VHESC/index.htm>

■ Brood Of Spectrum Supremacy. DARPA. Deadline: 5/19/05. Synopsis: Soliciting proposals to perform research, design, development and integration projects to apply collaborative processing capabilities for software-defined radios to specific military applications. URL: http://www.darpa.mil/ipto/solicitations/open/05-30_PIP.htm

■ Innovative Tactical Technology. DARPA. Deadline: 6/22/05 for initial selections. Synopsis: Seeks proposals for advanced research and development of system and subsystem level technologies to provide revolutionary improvements to the efficiency and effectiveness of the military. There are four primary focus areas: Space, Unmanned Vehicles, Tactical Multipliers, and Urban Warfare and Low Intensity Operations. URL: <http://www.darpa.mil/baa/baa05-22.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>

■ Ideas for Security. DARPA. Deadline: 9/15/05. Synopsis: DARPA seeks white papers for defeat of underground facilities; next generation space technologies and systems; defenses against chemical, biological, radiological weapons; and surveillance systems, including innovative sensor systems. URL: <http://www.darpa.mil/baa/baa04-40.htm>

Education Department

■ Arts in Education. Deadline: 5/31/05. Synopsis: Supports collaborations between local education agencies and other institutions toward the development, documentation, evaluation, and dissemination of innovative, cohesive models that strengthen arts education and improve student academic performance. URL: <http://www.ed.gov/programs/artsedmodel/index.html>

■ Professional Development for Arts Educators. Deadline: 5/20/05. Synopsis: Funds partnerships of local education agencies and other institutions for implementation of high-quality professional development model programs in elementary and secondary education for music, dance, drama, media arts, and visual arts. URL: <http://www.ed.gov/programs/artsedprofdev/index.html>

Environmental Protection Agency

■ Measurement of Particulate Matter Composition. Deadline: 6/7/05. Synopsis: Seeks proposals for continuous measurement techniques that determine the composition of fine atmospheric particulate matter. URL: http://es.epa.gov/ncer/rfa/2005/2005_cont_meas_methods_pm.html

■ Quantitative Assessment of Pathogens in Drinking Water. Deadline: 6/9/05. Synopsis: Supports research toward innovative approaches to quantitatively detect microbial pathogens in drinking water. Projects should enumerate waterborne pathogens; present a protocol for preparing and processing water samples for application of the proposed approach; and compare performance of the new method with existing methods. URL: http://es.epa.gov/ncer/rfa/2005/2005_pathogens_drinking_water.html

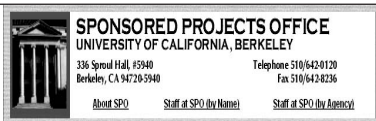
Health and Human Services Department

■ Law as a Public Health Tool. CDC. Deadline: 5/23/05. Synopsis: Strengthens the capacity of organizations to use law to improve public health through prevention and health promotion. Priorities are preparedness for and response to infectious disease epidemics and natural disasters, prevention of obesity and chronic disease, and promotion of adolescent health. URL: <http://www.cdc.gov/od/pgo/funding/AA036.htm>

■ Behavioral, Social Sciences International Collaboration. FIC. Deadline: 9/21/05. Synopsis: Facilitates collaborative behavioral and social science research between NIH scientists and investigators in developing countries. URL: <http://grants1.nih.gov/grants/guide/pa-files/PAR-05-073.html>

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Health and Human Services *(continued)*

- Identification of Alcohol Biomarker Signatures. NIAAA. Deadline: 6/15/05. Synopsis: Fosters the utilization of genomic, proteomic, and metabolomic technologies for the development of diagnostic biomarker signatures for alcohol consumption and alcohol-induced tissue injury. URL: <http://grants1.nih.gov/grants/guide/rfa-files/RFA-AA-06-002.html>
- Elder Mistreatment. NIA, OBSSR. Deadline: 6/23/05. Synopsis: Supports the initial stages of research on Elder Mistreatment in community and institutional settings. Applications are solicited from scientists with expertise in related areas (e.g., child abuse, sexual behaviors) as well as those with expertise in Elder Mistreatment. URL: <http://grants1.nih.gov/grants/guide/rfa-files/RFA-AG-05-009.html>
- Mechanisms of Alcohol-Induced Tissue Injury. NIAAA. Deadline: 6/1/05. Synopsis: Invites grant applications to study the cellular and molecular mechanisms of tissue injury caused by ethanol consumption. Diverse scientific disciplines are welcomed and collaborative research is encouraged. URL: <http://grants1.nih.gov/grants/guide/pa-files/PA-05-074.html>
- Lentiviral Models of Neurological Complications of AIDS. NINDS, NIDA, NIMH. Deadline: 6/1/05. Synopsis: Funds projects aimed at developing non-human lentiviral in vivo model systems for study of the neurologic complications of AIDS, with or without a history of drug use. URL: <http://grants1.nih.gov/grants/guide/pa-files/PAS-05-078.html>
- Evolution of Infectious Diseases. NIGMS. Deadline: 6/1/05. Synopsis: Funds research on the evolutionary principles that underlie the emergence, spread, and containment of infectious disease, especially interdisciplinary research between quantitative and experimental, clinical, or field studies. URL: <http://grants1.nih.gov/grants/guide/pa-files/PA-05-079.html>
- Emergency Medical Services for Children. NIH, AHRQ. Deadline: 6/1/05. Synopsis: Funds research on emergency medical services for children, aiming to reduce morbidity/mortality in children through improved care delivery. This includes prevention research; clinical research; health systems research; cost-effectiveness analyses; and methodological studies. URL: <http://grants1.nih.gov/grants/guide/pa-files/PA-05-081.html>
- Tools for Zebrafish Research. NIH. Deadline: 9/19/05. Synopsis: Invites applications to develop new tools or resources to advance the detection and characterization of genes, pathways, and phenotypes of interest in zebrafish. URL: <http://grants1.nih.gov/grants/guide/pa-files/PAR-05-080.html>
- Drug Abuse Dissertation Research. NIDA. Deadline: 6/1/05. Synopsis: One to two-year dissertation grants for drug abuse research in epidemiology, prevention, treatment, services, and women and sex/gender differences. URL: <http://grants1.nih.gov/grants/guide/pa-files/PAR-05-083.html>
- Small Research Grant Program. AHRQ. Deadline: 7/24/05. Synopsis: A program designed to support new investigators or researchers new to health care services issues and encourage preliminary, exploratory, or innovative research in new or previously unexamined areas. URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-01-040.html>
- 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>
- Campus Suicide Prevention Grants. SAMHSA. Deadline: 6/1/05. Synopsis: Funding to enhance services for students with mental and behavioral health problems that can lead to school failure, depression, substance abuse, and suicide attempts, so that students will successfully complete their studies. URL: http://www.samhsa.gov/grants/2005/nofa/sm05015_campus.aspx
- Suicide Prevention Resource Center. SAMHSA. Deadline: 6/1/05. Synopsis: Funds to create and operate a center that will assist states, territories, tribes, and communities in efforts to develop, implement, and evaluate suicide prevention programs across the lifespan. URL: http://www.samhsa.gov/grants/2005/nofa/sm05017_suicide_resources.aspx
- Stem Cells and Cancer. NCI, NIA. Deadline: 6/1/05. 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>
- Tuberos Sclerosis Complex. NIH. Deadline: 6/1/05. 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>

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Health and Human Services (continued)

- Analysis of Alcohol Epidemiology Data. NIAAA. Deadline: 6/1/05. 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 Sjogren'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: 6/1/05. 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: 6/1/05. 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>
- 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/PA-05-056.html>
- Beta Cell Regeneration for Diabetes Therapy. NIDDK. Deadline: 6/22/05. Synopsis: Invites applications to characterize the regenerative potential of human beta cells and/or islets in vivo, to identify cellular and molecular components regulating pancreas regeneration, and to identify mediators and cellular targets. URL: <http://grants1.nih.gov/grants/guide/rfa-files/RFA-DK-05-007.html>
- Assays for High Throughput Screening. NIH. Deadline: 8/16/05. Synopsis: Grants investigators access to the Molecular Libraries Screening Centers Network for biological, biophysical and cell-based HTS assays. URL: <http://grants1.nih.gov/grants/guide/pa-files/PA-05-060.html>
- Planning Grants for Specialized Center-Cooperative Agreement. NIDCR. Deadline: 6/21/05. Synopsis: Support provided for planning activities for groups of researchers to develop interdisciplinary research strategies for the development of a U54 (Specialized Center-Cooperative Agreement) in FY 2007, with the aim of understanding tooth structure and surrounding tissues as a unified system. URL: <http://grants1.nih.gov/grants/guide/rfa-files/RFA-DE-06-002.html>
- Cancer Education Grants. NCI. Deadline: 6/1/05. Synopsis: Funds innovative educational programs for students, research scientists, and clinicians, as well as development of effective approaches to dissemination of research knowledge related to cancer prevention and control. URL: <http://grants1.nih.gov/grants/guide/pa-files/PA-05-065.html>
- Research Partnerships for Biodefense. NIAID. Deadline: 10/12/05. Synopsis: Funding for development of new vaccines, adjuvants, therapeutics, immunotherapeutics or diagnostics focused on Category A, B, or C priority pathogens and toxins. URL: <http://grants1.nih.gov/grants/guide/rfa-files/RFA-AI-05-019.html>
- Protein Profiles of the Oral Mucosal Tissues in HIV /AIDS. NIDCR. Deadline: 8/16/05. Synopsis: The purpose of this initiative is to stimulate research that will utilize a proteomic approach to characterize the protein profiles and protein-protein interactions in the oral mucosa in conjunction with HIV/AIDS. URL: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DE-06-001.html>
- Protein Biomarkers of Infection-Associated Cancers. NCI, NIDCR. Deadline: 6/1/05. Synopsis: Invites research proposals focused on identifying protein biomarkers for cancers where etiology of the disease is attributed to infectious agents. URL: <http://grants1.nih.gov/grants/guide/pa-files/PA-05-048.html>
- Scholarly Works in Biomedicine and Health. NLM. Deadline: 6/1/05. Synopsis: Awards fund preparation of book-length manuscripts and other scholarly works. URL: <http://grants1.nih.gov/grants/guide/pa-files/PA-05-025.html>
- Mechanisms of Adverse Drug Effects in Children. NICHD. Deadline: 6/1/05. Synopsis: Supports research on the role of ontogeny and the characterization of pharmacogenetic and developmental variations of drug metabolizing enzymes, transporters, ion channels, and receptors. URL: <http://grants1.nih.gov/grants/guide/pa-files/PA-05-045.html>

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Health and Human Services (continued)

■ Technology for Biomedical Applications. NCRR, NIEHS. Deadline: 6/22/05. Synopsis: Invites innovative applications for the development of new and improved instruments or devices, new methodologies using existing instruments, or software related to instrumentation. URL: <http://grants1.nih.gov/grants/guide/rfa-files/RFA-RR-05-001.html>

■ Immune System, Brain Function and Behavior. NIH. Deadline: 6/1/05. Synopsis: Requests research grant applications to study neuroimmune molecules and mechanisms involved in regulating normal and pathological central nervous system function. URL: <http://grants2.nih.gov/grants/guide/pa-files/PA-05-054.html>

■ Directed Stem Cell Differentiation. NHLBI, NIA. Deadline: 6/1/05. Synopsis: Funds research toward development of methods to direct the differentiation or development of stem cells along specific cell lineages, ultimately to yield replacement cells for clinical use. URL: <http://grants1.nih.gov/grants/guide/pa-files/PA-05-043.html>

■ Co-Occurring Medical Conditions. NIMH, NIDA, NIAAA. Deadline: 6/1/05. Synopsis: Research grants for services research on co-occurring mental illness, alcohol and/or drug abuse, and conditions. URL: <http://grants.nih.gov/grants/guide/pa-files/PA-05-007.html>

■ Reducing Mental Illness Stigma and Discrimination. NIMH, SAMHSA. Deadline: 6/1/05. Synopsis: Supports research to reduce mental illness stigma and discrimination. URL: <http://grants.nih.gov/grants/guide/pa-files/PAR-04-112.html>

■ Science and Ecology of Early Development. NICHD, NIDA. Deadline: 6/1/05. Synopsis: This program funds research on the mechanisms through which social, economic, cultural, and community-level factors impact the early cognitive, neurobiological, socio-emotional, and physical development of children. URL: <http://grants.nih.gov/grants/guide/pa-files/PA-04-113.html>

■ Studies of the Economics of Cancer Prevention, Screening, and Care. AHRQ. Deadline: 6/1/05. Synopsis: Soliciting investigator-initiated grant applications for research in the area of the economic aspects of cancer prevention, screening, and care. URL: <http://grants.nih.gov/grants/guide/pa-files/PA-04-017.html>

■ Understanding Mechanisms of Health Risk Behavior Change in Children and Adolescents. NIH. Deadline: 6/1/05. Synopsis: This program seeks to enhance our understanding of health risk behaviors during childhood and adolescence. URL: <http://grants1.nih.gov/grants/guide/pa-files/PA-04-121.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

National Aeronautics and Space Administration

■ 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/>

■ Planetary Protection Research. ROSES-2005. Deadline: 8/5/05. Synopsis: Research is required to allow NASA to understand the potential for both forward as well as backward contamination by organisms from missions, as well as to set standards in these areas for spacecraft preparation and operating procedures, and for returned-sample analysis. URL: <http://nspires.nasaprs.com/>

■ Planetary Instrument Definition And Development. ROSES-2005. Deadline: 8/5/05. Synopsis: Supports the advancement of promising spacecraft-based instrument technology for use in scientific investigations on future planetary missions. Projects can take place at several stages, including feasibility studies, conceptual design, and laboratory breadboarding. URL: <http://nspires.nasaprs.com/>

■ Mars Data Analysis. ROSES-2005. Deadline: 8/12/05. Synopsis: An investigator may propose a study based on analysis of Mars data collected by the Mars Pathfinder, Mars Global Surveyor, Mars Odyssey, Mars Exploration Rover, and Mars Express missions. URL: <http://nspires.nasaprs.com/>

■ New Investigator Program in Earth-Sun System Science. ROSES-2005. Deadline: 8/31/05. Synopsis: Supports investigators who graduated on or after January 1, 2000. Proposals must contain a research element and a significant program of education and outreach and/or interdisciplinary endeavors. URL: <http://nspires.nasaprs.com/>

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NASA (continued)

■ Swift Guest Investigator. ROSES-2005. Deadline: 7/8/05. Synopsis: Solicits proposals for basic research to determine the origin of gamma-ray bursts (GRBs) and use these bursts to probe the early universe. URL: <http://nspires.nasaprs.com/>

■ Applied Information Systems Research. ROSES-2005. Deadline: 7/15/05. Synopsis: Provides funding for application of emerging information technologies, concepts, methodologies, etc. to demonstrate feasibility and potential science return. URL: <http://nspires.nasaprs.com/>

■ Virtual Observatories for Solar and Space Physics Data. ROSES-2005. Deadline: 7/15/05. Synopsis: Accepting proposals for prototypes of software applications generally known as virtual observatories that promise integration of the many data services for solar and space physics data. URL: <http://nspires.nasaprs.com/>

■ Geospace Science. ROSES-2005. Deadline: 7/22/05. Synopsis: Funds projects on the space that surrounds and is influenced by various solar system bodies, with a particular focus on Earth. Studies range over regions from the Earth's neutral upper atmosphere, to beyond the magnetosphere. URL: <http://nspires.nasaprs.com/>

■ Earth Surface and Interior. ROSES-2005. Deadline: 7/27/05. Synopsis: Awards for research in three thematic areas: Land Surface Change and associated Natural Hazards; Space Geodesy; and Earth's Planetary Interior (structure and dynamics). URL: <http://nspires.nasaprs.com/>

■ Astrobiology Science & Technology for Exploring Planets. ROSES-2005. Deadline: 7/29/05. Synopsis: Supports investigations and field campaigns to explore the Earth's extreme environments in order to develop a sound technical and scientific basis to search for life on other planets. URL: <http://nspires.nasaprs.com/>

National Science Foundation

■ Teacher Professional Continuum. EHR. Deadline: 5/31/05 for preproposal. Synopsis: The Funds research studies on the recruitment, preparation, induction, professional development, and retention of K-12 STEM teachers; development of research-based professional resources for STEM teachers; and conferences and symposia on the topic. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf05580

■ Antarctic Artists and Writers. OPP. Deadline: 6/1/05. Synopsis: Provides opportunities for scholars in the humanities (painting, photography, writing, history, and other liberal arts) to be in Antarctica or on the Southern Ocean to make observations needed to complete their proposed

projects. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf04558

■ Foundations of Computing Processes and Artifacts. CISE. Deadline: 6/20/05. Synopsis: Supports research and education projects to advance formalisms and methodologies pertaining to the artifacts and processes for building computing and communication systems. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf05576

■ 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

■ 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>

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National Science Foundation (continued)

- 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
- 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

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National Science Foundation (continued)

- **Broadening Participation in Computing.** CISE. Deadline: 6/14/05. Synopsis: Aims to develop and implement innovative methods to improve recruitment and retention of underrepresented students at the undergraduate and graduate levels, and to support members of the targeted groups who want to pursue academic careers in computing. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf05562
- **Advanced Modular Incoherent Scatter Radar.** GEO. Deadline: 6/3/05. Synopsis: Supports training of graduate students for the AMISR, a solid-state, phased array incoherent scatter radar. Also funds development and deployment of optical instrumentation to observe properties of the upper atmosphere not measurable by AMISR. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf05564
- **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
- **University-Industry Mathematical Sciences.** MPS. Deadline: 6/2/05. Synopsis: Supports collaborative research between industrial and academic mathematicians at the graduate, postdoctoral, and senior researcher levels. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf05504
- **University Radio Observatories.** MPS. Deadline: 6/16/05. Synopsis: Grants for operations, technical enhancements, scientific investigations, and student training at university-based radio facilities. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf05568
- **Living Stock Collections.** BIO. Deadline: 7/6/05. Synopsis: Assists with operation of and improvements in outstanding collections of living organisms used in basic biological research through short-term (up to 36 months) and long-term (up to 60 months) awards. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf05521
- **Multi-User Equipment and Instrumentation Resources for Biological Sciences.** BIO. Deadline: 7/6/05. Synopsis: Aids organizations in the purchase of expensive items of research equipment to be shared by a number of independent investigators who have actively-funded biological research projects. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf05534
- **Ecosystem Science.** BIO. Deadline: 7/9/05. Synopsis: Supports investigations of whole-system ecological processes and relationships in ecosystems across a diversity of spatial and temporal (including paleo) scales. URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12822&org=DEB
- **Systematic Biology and Biodiversity Inventories.** BIO. Deadline: 7/9/05. Synopsis: Supports the scientific study of biological species diversity, as well as expeditionary work to discover, describe, and document plant, animal, and microbial diversity throughout the world. URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12825&org=DEB
- **Revisionary Syntheses in Systematics.** BIO. Deadline: 7/9/05. Synopsis: Encourages proposals aimed at synthesizing available and new species-level taxonomic information in the context of providing revisionary treatments and predictive classifications. URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13406&org=DEB
- **Biological Databases and Informatics.** BIO. Deadline: 7/13/05. Synopsis: Supports new approaches to the management, analysis, and dissemination of biological knowledge that will enable both the scientific community and the broader public to gain maximum benefit and utility. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf02058
- **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>
- **Research Coordination Networks in Biology.** BIO. Deadline: 6/27/05. Synopsis: Groups will be supported to communicate and coordinate research, training and educational activities within a specific theme, which can be a broad research question, a specific group of organisms, or particular technologies or approaches. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf05569
- **Dynamic Data Driven Applications Systems.** CISE. Deadline: 6/13/05. Synopsis: Funded projects will make significant contributions to research advances in computational science and engineering, high-end computing, measurement methods, and cyberinfrastructure with regard to DDDAS. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf05570

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National Science Foundation (continued)

■ **Mathematical Biology Research.** BIO, MPS, NIGMS. Deadline: 6/15/05. Synopsis: Funding to encourage collaborations at the interface of biology and mathematics/statistics. URL: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf04572

■ **Lower Atmospheric Observing Facilities.** GEO. Deadline: 6/15/05. Synopsis: This program provides planning, budgeting, coordination, and oversight of multi-user national facilities that are sponsored by NSF for the geosciences research community. URL: http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=12807&org=ATM

State of California

■ **Pesticide Water Quality Criteria Development.** Regional Water Quality Control Board, Central Valley Region. Deadline: 5/13/05. Synopsis: This project aims to identify or develop methods for deriving numeric water quality criteria that are protective of aquatic life and could be used as the basis for pesticide water quality objectives in the Central Valley. Contact e-mail: jkarkoski@waterboards.ca.gov

■ **Structural Pest Control Board.** Deadline: 5/20/05. Synopsis: Solicits proposals for research on structural pest control, focusing on a specific structural pest or type of structural pests of concern to California. The term "structural pest" refers to non-cropland pests that invade or harm structures or their contents or inhabitants. Contact e-mail: Rosemary_Linares@dca.ca.gov

■ **Energy Innovations Small Grant Program.** Deadline: 6/1/05. Synopsis: Provides up to \$75,000 to conduct research that establishes the feasibility of new, innovative energy concepts. Research projects must address a California energy problem and provide a potential benefit to California electric ratepayers. URL: <http://www.energy.ca.gov/research/innovations/index.html>

■ **California Energy Commission. Environmental Exploratory Grants.** Deadline: 6/1/05. Synopsis: Supports the early development of promising new scientific concepts that have the potential to impact the way we understand and/or address energy-related environmental issues. URL: <http://www.energy.ca.gov/contracts/index.html#PIER>

University of California

■ **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>

■ **Environmental Exploratory Grant Program.** UCOP, California Energy Commission. Deadline: 6/1/05. Synopsis: The goal of this program is to support the early development of promising, new scientific concepts with the potential to impact the way we understand and/or address energy-related environmental issues. URL: http://www.energy.ca.gov/contracts/2005-02-28_PIER_EEGP/00_EEGP_2005_PACKET.PDF

■ **UC MEXUS-CMHI. Collaborative Grants.** Deadline: 6/6/05. Synopsis: Provides seed funds to teams of UC and Mexican researchers for dissemination or research in any discipline on migration and health-related issues facing Mexican-origin workers and their families in California and Mexico. URL: <http://ucmexus.ucr.edu/index.php?content=research/05cmhi.html>

■ **Sea Grant College Program: Science Fellows.** Deadline: 5/18/05. Synopsis: Provides assistance to predoctoral postdoctoral researchers for work in: Water Operations and Biological Resources; Ecological Processes and Their Relationship to Water Management and Key Species; or Performance Assessment to Improve Tools and Implications of Future Changes. URL: http://www.csgc.ucsd.edu/EDUCATION/CALFED/CBDA_RFA2005.html

■ **UC Discovery Grants: Digital Media.** IUCRP. Deadline: 5/16/05. Synopsis: Funds research partnerships that advance the frontiers of digital media and increase access to multimedia tools. The program also addresses intellectual property and copyright matters. URL: <http://uc-industry.berkeley.edu/fields/digital.htm>

■ **UC MEXUS Small Grants.** Deadline: 6/7/05. Synopsis: Small grants fund travel, short-term research, initial planning, or one-time needs related to projects conducted by UC researchers or research teams. URL: <http://ucmexus.ucr.edu/>

BERKELEY COEUS
Online Proposal and Award Tracking
<http://coeus.spo.berkeley.edu/>

Nonprofit Agencies

- **Artwork.** Alameda County Art Commission. Deadline: 6/24/05 for site-specific projects; 9/16/05 for permanent collection. Synopsis: The Commission is accepting submission for public artwork for the new Juvenile Justice Center in San Leandro. URL: <http://www.acgov.org/arts>
- **Horticultural Research Institute.** Deadline: 5/15/05. Synopsis: Seeks to support projects that address issues important to the green industry. This covers the full range of production, environmental and business issues important to trade. URL: <http://www.anla.org/research/grants/index.htm>
- **Pfizer, Inc. International HDL Research Awards Program.** Deadline: 5/31/05. Synopsis: Supports basic and clinical research in the field of HDL biology, including its relationship to atherothrombotic disease. In addition, this program encourages innovative initiatives in the pursuit to raise HDL levels. URL: <http://www.promisingminds.com/GrantsProgType.aspx?ProgID=405&ProgTypeID=4>
- **Women Against Lung Cancer.** Deadline: 5/31/05. Synopsis: Grants for promising novel research on sex differences in the molecular, cellular, and environmental underpinnings of lung cancer. Two awards are offered; a Research Grant, and a Career Development Award for junior investigators only. URL: <http://www.womenagainstlungcancer.org/grants.cfm>
- **National Fish and Wildlife Foundation. Save the Tiger Fund.** Deadline: 6/1/05. Synopsis: Supports efforts aimed at the conservation of tigers in the wild, including conservation and habitat/prey protection projects in tiger-range countries, as well as education activities internationally. URL: http://www.nfwf.org/programs/tig_rfp.htm
- **Integrated Pest Management Collaborative Research.** Deadline: 6/1/05. Synopsis: Accepts proposals for full regional and global theme programs on integrated pest management. URL: <http://www.wrpmc.ucdavis.edu/Research/ipmcrcsp.html>
- **American Psychological Association. Scientific Conferences Program.** Deadline: 6/1/05. Synopsis: This program provides grant money for scientific conferences to promote the exchange of important new contributions and approaches in scientific psychology. URL: <http://www.apa.org/science/confer2.html>
- **Dreyfus Foundation. Chemical Sciences.** Deadline: 6/2/05. Synopsis: Supports projects that provide innovative advances to the science of chemistry. Areas of interest include public awareness, understanding and appreciation of chemical science, environmental chemistry, and innovative approaches in chemistry education at all levels. URL: <http://www.dreyfus.org/sg.shtml>
- **Western Sustainable Agriculture Research and Education.** Deadline: 6/6/05. Synopsis: Up to \$200,000 for sustainable agriculture projects that typically involve scientists, producers and others in an interdisciplinary approach. URL: <http://wsare.usu.edu/grants/>
- **Christopher Reeve Paralysis Foundation.** Deadline: 6/15/05. Synopsis: Two-year awards with a maximum funding level of \$75,000 per year for research to develop effective treatments and a cure for paralysis caused by spinal cord injury and other central nervous system disorders. URL: <http://www.christopherreeve.org/Research/ResearchList.cfm?c=62>
- **American Association for Respiratory Care. Fellowships.** Deadline: 6/21/05. Synopsis: Awards for researchers having high quality abstracts accepted for presentation at the AARC International Respiratory Congress. Each award may consist of a cash award, plaque, airfare, one night lodging, and registration for the Congress. URL: <http://www.arcfoundation.org/awards/research/>
- **International Life Sciences Institute. Future Leader Awards.** Deadline: 6/25/05. Synopsis: This awards are given to promising nutrition and food scientists early in their careers. They will support research in the areas of experimental nutrition, nutrition and food safety, and nutrition and food science. URL: http://www.ilsina.org/award_programs/index.cfm?pubentityid=123
- **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.
- **Komen Breast Cancer Foundation. Brinker Award.** Deadline: 6/30/05. Synopsis: The \$20,000 award recognizes outstanding work that has advanced basic research concepts, or affected clinical or social-behavioral applications in the field of breast cancer research, screening, treatment or prevention. URL: http://www.komen.org/intradoc.cgi/idc.cgi_isapi.dll?IdcService=SS_GET_PAGE&nodeId=560
- **Guglielmo Marconi Foundation. Fellowship Award.** Deadline: 6/30/05. Synopsis: A \$100,000 award granted to individuals who have made a significant contribution to the advancement of communications or knowledge transfer through scientific or technological discoveries or innovations. URL: http://www.marconifoundation.org/pages/fellowship_award/index.htm

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Nonprofit Agencies (continued)

- Northern Nut Growers' Association. Deadline: 6/30/05. Synopsis: Offers research grants for research on temperate zone tree nuts. Suggested topic areas range from basic biology to marketing. URL: <http://www.nutgrowing.org/grant.htm>
- 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
- American Physical Society. Prizes and Awards. Deadline: 7/1/05. Synopsis: Multiple prizes available for physicists whose accomplishments and contributions to physics are judged exceptional. URL: <http://www.aps.org/praw/>
- 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
- American Institute of Indian Studies. Senior Short-Term Fellowships. Deadline: 7/1/05. Synopsis: Funds for established academic specialists in South Asian studies to conduct further research in India. URL: <http://www.indiastudies.org/fellow.htm>
- 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>
- American Diabetes Association. Junior Faculty Award. Deadline: 7/15/05. Synopsis: These awards support new investigators who are establishing their independence in diabetes research. Applicants can have any level of faculty appointment up through assistant professor. URL: <http://www.diabetes.org/diabetes-research/research-grant-application-forms/development-awards.jsp#junior>
- Paget Foundation. John G. Haddad, Jr. Research Award. Deadline: 7/23/05. Synopsis: The Foundation offers research grants for basic or clinical research on Paget's disease of bone. URL: <http://www.paget.org/>
- Smithsonian Center for Tropical Forest Science. Deadline: 7/29/05. Synopsis: Supports projects associated with the CTFS network of Forest Dynamics Plots. These can be field oriented, laboratory-based, or analytical. URL: <http://www.ctfs.si.edu/>
- American Hearing Research Foundation. Deadline: 8/1/05. Synopsis: Grants related to the hearing or balance functions of the ear. Both basic and clinical studies may be proposed. Priority is given to providing startup funds for new projects. URL: http://www.american-hearing.org/name/grant_guidelines.html
- American Academy of Implant Dentistry Research Foundation. Small Grants. Deadline: 8/1/05. Synopsis: Provides limited support for meritorious dental implant research projects, including feasibility studies, animal studies, and analyses of existing data. URL: http://www.aaid-implant.cnhost.com/pdfs/grant_app.pdf
- 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. Pilot projects and young investigators are encouraged. 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>
- Asian Cultural Council. Deadline: 8/1/05. Synopsis: Several programs to assist American scholars with research in Asia, including the Asian Art and Religion Program and the Humanities Fellowship Program. The John D. Rockefeller 3rd Award is also available for a significant contribution to understanding, practice, or study of visual or performing arts of Asia. 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

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Nonprofit Agencies (continued)

■ National Research Council. Research Associateship Program. Deadline: 8/1/05. Synopsis: Postdoctoral and Senior Research Awards given for the purpose of conducting research at a specific federal laboratory or NASA Research Center. URL: <http://www4.nationalacademies.org/pgg/rap.nsf>

■ National Endowment for Financial Education. Deadline: 8/2/05. Synopsis: Awarded for self-initiated outreach efforts to help Americans acquire the information and gain the skills necessary to take control of their financial lives. These grants support four distinct action areas: Education Programs, Collaborative Programs, Multimedia Access, and Innovative Thinking. URL: <http://www.nefe.org/pages/innovativegrants.html>

■ Civilian Research and Development Foundation. Cooperative Grants Program. Deadline: 8/2/05. Synopsis: This program provides one- to two-year support to joint research teams of U.S. and Eurasian scientists in chemical, biological, biomedical, and geological sciences. At least 80% of funds must go toward the Eurasian component of each team. URL: http://www.crdf.org/ApplicationForms/CGP_PA.htm

■ 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

■ Upjohn Institute for Employment Research. Deadline: 8/2/05. Synopsis: Offers grants and mini-grants for research on employment. A priority topic this year is the effects of health care costs on labor demand, but any other relevant research proposals will also be accepted. URL: <http://www.upjohninst.org/grantann.html>

■ 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>

■ American Optometric Foundation. Vistakon Research Grants. Deadline: 8/5/05. Synopsis: Competitive grants of \$25,000 and \$10,000 to fund basic or clinical research in the area of soft disposable contact lenses. URL: <http://www.aaopt.org/aof/scholarship/grants/index.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>

■ American Foundation for Suicide Prevention. Pilot Grant. Deadline: 8/15/05. Synopsis: Up to \$20,000 in seed money for new one or two-year projects by individual investigators without regard to academic rank or previous suicide research experience. URL: <http://www.afsp.org/research/grants.htm>

■ 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, including: prevention of Type 1 diabetes and its recurrence; restoration of normal metabolic control; and avoidance and reversal of complications. URL: http://www.jdrf.org/index.cfm?page_id=102763

■ Mesothelioma Applied Research Foundation. Deadline: 8/15/05. Synopsis: Funds translational research for the treatment of pleural or peritoneal mesothelioma. Proposed projects must address issues for the treatment, not the causation, of the disease. URL: <http://www.marf.org/marfFrames/GrantsFrame.htm>

■ National Fish and Wildlife Foundation. Native Plant Conservation Initiative. Deadline: 8/15/05. Synopsis: Matching funds for on-the-ground conservation projects that protect, enhance, and restore native plant communities on public and private lands. URL: <http://www.nfwf.org/programs/npci.htm>

■ Juvenile Diabetes Research Foundation. Career Development Awards. Deadline: 7/15/05. Synopsis: Five-year award for individuals for research efforts in a subject directly related to JDRF research mission goals. An applicant must be a faculty member below the associate professor level. URL: http://www.jdrf.org/index.cfm?page_id=102764

■ Multiple Myeloma Research Foundation. Collaborative Program Grant. Deadline: 6/15/05. Synopsis: Funds collaborative programs on multiple myeloma that are interdisciplinary, cohesive, and sharply focused. Research may be fundamental or applied, or an integrated combination of the two approaches. URL: <http://www.multiplemyeloma.org/research/5.05.asp>

■ American Diabetes Association. Career Development Award. Deadline: 7/15/05. Synopsis: Supports investigators who are establishing their independence and are poised to make significant contributions to diabetes research. An applicant must be an assistant professor and have clear institutional commitment. URL: <http://www.diabetes.org/diabetes-research/research-grant-application-forms/development-awards.jsp#career>

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Nonprofit Agencies (continued)

■ Hereditary Disease Foundation. Deadline: 6/15/05. Synopsis: Supports research aiming to find the basic defect in Huntington's disease. Areas of interest include trinucleotide expansions, animal models, gene therapy, neurobiology and development of the basal ganglia, cell survival and death, and intercellular signaling in striatal neurons. URL: <http://www.hdfoundation.org/funding/grants.htm>

■ Amyotrophic Lateral Sclerosis Association. Deadline: 7/1/05. Synopsis: Provides Multi-Year Awards and Starter Grants for innovative research on ALS. URL: <http://www.alsa.org/research/process.cfm?CFID=8075&CFTOKEN=47331518>

■ Center for Global Partnership - Japan Foundation. Intellectual Exchange. Deadline: 7/1/05. Synopsis: Promotes collaborative research and dialogue among scholars and policymakers in Japan, the US, and other countries. Funding is provided for policy-oriented research and dialogue on matters of common concern to the US and Japan, conducted by universities and research institutions. URL: <http://www.cgp.org/index.php?option=section&id=4>

■ Muscular Dystrophy Association. Deadline: 6/15/05. Synopsis: Supports research aimed at developing treatments for muscular dystrophies and related diseases of the neuromuscular system. URL: <http://www.mdusa.org/research/guidelines.html>

■ 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>

■ American Tinnitus Association. Deadline: 6/30/05. Synopsis: Supports scientific studies directly concerned with tinnitus. URL: <http://www.ata.org/research/>

■ Helen Bader Foundation. Deadline: 7/18/05. Synopsis: Funds projects nationwide dealing with Alzheimer's disease and dementia. The foundation has an emphasis on program development, education and training, applied research, and public policy. URL: <http://www.hbf.org/HBFWeb/grantApplication/usa.aspx>

■ Benign Essential Blepharospasm Research Foundation. Deadline: 7/1/05. Synopsis: Funds up to \$150,000 are available for support of research specifically related to benign essential blepharospasm and Meige. URL: <http://www.blepharospasm.org/res-prop.html>

Contract and Grant Awards in March

Agogino, Alice M., ESRC, \$15,900, NCIIA National Collegiate Inventors and Innovators, "Wireless Crop Protection."

Ahn, Joonhong, IESE, \$20,000, LLNL, "Mone-Nitride Fuel Development for STAR and Space Applications."

Ahn, Joonhong, IESE, \$29,000, Mitsubishi Japan, "Study of Multi-Scale Safety Performance Model for HLW Repository."

Allen-Diaz, Barbara H., ESPM: Ecosystem Sciences, \$143,261, USDA Forest Service, "Yosemite Toad Adaptive Management Grazing Study."

Altieri, Charles F., Consortium of the Arts, \$10,000, David B. Gold Foundation, "General Support for ArtsBridge Scholars Program."

Arias, Elizabeth T., Essig Museum of Entomology, \$347,537, NSF, "A Survey of Terrestrial Arthropoda in Chilean Temperate Forests."

Austin, Michael J., Social Welfare, \$24,000, Zellerbach Family Fund, "Bay Area Social Services Consortium."

Baker, Robin, Public Health, \$10,000, State of California Dept. of Industrial Relations, "California Partnership for Young Worker Health and Safety."

Barcellos, Lisa F., Public Health, \$2,834,692, National Institute of Neurological Disorders and Strokes, "Genetic and Non-genetic Risk Factors in MS."

Bates, Michael N., Environmental Health Sciences, \$121,278, National Institute of Environmental Health Sciences, "High Capacity SNP Genotyping in Arsenic Induced Disease."

Battles, John J., ESPM: Ecosystem Sciences, \$60,000, Cornell University, "Long-Term Ecological Research at Hubbard Brook Experimental Forest."

Bergman, Robert G., Chemistry, \$20,000, Camille and Henry Dreyfus Foundation, "Chemistry in the Classroom: A Collaboration between UC Berkeley Chemistry Department and Community Resources for Science."

Bjeldanes, Leonard F., Nutritional Sciences and Toxicology, \$236,104, UCSF, "Estrogen Receptor-Selective Herbs for Menopause Symptoms."

Brady, Henry E., SRC, \$173,241, Harvard University, "EITM Summer Training Institute (Political Science Program: EITM Competition IIIa)."

Brady, Henry E., SRC, \$197,474, University of Baltimore, "Administrative Data Research and Evaluation Project."

Brenner, Steven E., Plant and Microbial Biology, \$1,281,157, National Institute of General Medical Sciences, "Nonsense-Mediated mRNA Decay Induced by Alternative Splicing."

Budker, Dmitry, Physics, \$439,500, NSF, "Parity Nonconservation in Ytterbium."

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C&G Awards in March *(continued)*

- Budker, Dmitry, Physics, \$453,108, ONR, "Laser-Addressed Atomic Micro-Magnetometers."
- Bushnell, James B., UC Energy Institute, \$37,250, ICF Inc., "Gasoline Pricing Legislation Analysis."
- Chapple, Karen, City and Regional Planning, \$200,000, HUD, "Community Revitalization without Gentrification."
- Cole, Robert W., Cal Performances, \$3,710, City of Berkeley, "2004-05 Season SchoolTime Performances."
- Consey, Kevin, BAM/PFA, \$60,000, Koret Foundation, "General Operating Support for BAM/PFA."
- Crawford, Patricia, CNR, \$5,000, Samuels and Associates, "Building Communities."
- Dawson, Todd E., IB, \$20,000, Save-the-Redwoods League, "Ecophysiological Constraints on Carbon Gain in Coast Redwood Trees Across Climatic Gradients."
- De Pater, Imke, Radio Astronomy Laboratory, \$24,300, Space Telescope Science Institute, "Transcending Voyager: A Deeper Look at Neptune's Ring-Moon System."
- Dodd, Richard S., ESPM: Ecosystem Sciences, \$7,000, International Society of Arboriculture, "Resistant Oak Species and Genotypes to Sudden Oak Death."
- Eichengreen, Barry J., IBER, \$15,870, Korea Economic Institute, "Asian Financial Markets and Global Imbalances."
- Fleming, Graham R., QB3, \$15,000, UC Discovery Grant-Biotechnology, "Venture Connections Afternoon."
- Fleming, Graham R., QB3, \$15,000, UC STAR Biotechnology Program, "International Biotech Summit."
- Fleming, Sharon, CNR, \$100,000, USDA Cooperative State Research Service, "Evaluating a YMCA-Based Community Intervention to Reduce the Risk of Type 2 Diabetes in Overweight African American Children."
- Furco, Andrew, Education, \$5,000, Campus Compact, "Advancing Service-Learning and Civic engagement a UC Berkeley."
- Govindjee, Sanjay, EERC, \$156,626, Ghiocel Predictive Technologies, Inc., "Integrating Stochastic Engineering in a Distributed Computing Environment: Parallel Infrastructure Development."
- Halvorsen, Catherine, LHS, \$100,000, State of California Postsecondary Education Commission, "Mountain Region Science and Reading Academy."
- Harris, Charles B., Chemistry, \$5,500, Camille and Henry Dreyfus Foundation, "The Jean Dreyfus Boissevain Undergraduate Scholarships for Excellence in Chemistry."
- Hedrick, John Karl, ITS, \$149,993, ONR, "A Testbed for Collaborative Operations of Multiple Autonomous Air Vehicles."
- Hermalin, Benjamin E., Business, \$275,937, Gordon and Betty Moore Foundation, "Development of a Business Plan for a World Digital Mathematics Library."
- Horvath, Arpad, ITS, \$5,000, State of California EPA Dept. of Toxic Substances Control, "Review of Automobile Shredder Residue Project."
- Hudson, Hugh, SSL, \$92,505, NASA Goddard Space Flight Center, "Solar Limb Astrometry with RHESSI."
- Hurford, Gordon, SSL, \$61,073, New Jersey Institute of Technology, "Broadband RF Transmission Characterization and Phase Stabilization for FASR."
- Hurley, Kevin, SSL, \$35,000, NASA Goddard Space Flight Center, "Target of Opportunity Observations of Active Soft Gamma Repeaters."
- Imbens, Guido, IBER, \$195,745, NSF, "Collaborative Research: Estimation for and Inference on Causal Effects."
- Isacoff, Ehud, MCB, \$1,324,319, National Institute of Neurological Disorders and Strokes, "Fluorescent Protein Sensors of Neural Activity."
- Isacoff, Ehud, MCB, \$573,028, National Institute on Drug Abuse, "Genetic Dissection of Synaptic Transmission."
- Jernigan, J. Garrett, SSL, \$107,000, LLNL, "Long Range Passive Detection of Fissile Material."
- Johnson, George C., Engineering, \$25,000, Elizabeth and Stephen D. Bechtel Jr. Foundation, "Pre-Engineering Partnerships - CUES."
- Johnson, George C., IESE, \$1,829,035, NSF, "Track 1, GK-12, Applied Design Engineering Projects Team (ADEPT)."
- Kagan, Robert A., Center for the Study of Law and Society, \$395,930, EPA, "Explaining Variation in Corporate Environmental Behavior."
- Kalas, Paul, Astronomy, \$67,788, Space Telescope Science Institute, "Serendipitous Detection of a Debris Disk Near the Sun."
- Keasling, Jay, Chemical Engineering, \$430,107, NSF, "Laboratory Evolution of mRNA Stability."
- Keaveny, Tony M., ESRC, \$57,265, UCSF, "Biomechanics of the Spinal Cord."
- King, C. Judson, Center for Studies in Higher Education, \$50,000, Koret Foundation, "UC and the SAT Follow up Study: Study Proposal."
- Landis, John D., IURD, \$25,000, Stuart Foundations, "The Center for Cities and Schools."
- Lee, Luke P., ERL, \$50,000, UCSC, "Microtechnology Investigation; and Compact and High Throughput Microfluidic Cell Culture System with Continuous Real-Time Optical Monitoring."
- Liu, Fenyong, Public Health, \$1,368,000, National Institute of Dental Research, "AIDS-Associated Viral Infections in Human Oral Tissues."

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C&G Awards in March *(continued)*

- Lyman, G. Peter, CEDR, \$145,420, John D. and Catherine T MacArthur Foundation, "Planning for an Ethnographic Study of Kids' Informal Learning with Digital Media."
- Madanat, Samer M., IIS, \$56,779, UCLA, "Tool Development to Evaluate the Performance of Intermodal Connectivity (EPIC) to Improve Public."
- Marletta, Michael, Chemistry, \$25,000, Goldman Philanthropic Partnerships, "A New Paradigm for Nitric Oxide Function in the Cardiovascular System."
- Martin, G. Steven, MCB, \$90,000, Army Medical Research and Acquisition Activity, "The Role of SRC in Mammary Epithelial Tumorigenesis."
- McBride, Joe R., ESPM: Forest Science, \$22,500, Save-the-Redwoods League, "Old Redwood Forest Restoration: Quantifying Forest Characteristics and Development of Initial Restoration Treatments."
- McCreary, Douglas, Center for Forestry, \$15,430, Mantech International Corporation, "The Role of Evolutionary History in Determining Vegetation Dynamics: A Comparative Study of Mediterranean Ecosystems in California and Israel."
- Merenlender, Adina, Center for Forestry, \$50,000, Nature Conservancy, "Monitoring Conservation Basements in the Lassen Foothills."
- Miguel, Edward, IBER, \$2,072,888, National Institute of Child Health and Human Development, "Evidence on Child Health and Long-Run Outcomes in Kenya."
- Minkler, Meredith A., Public Health, \$200,000, California Endowment, "Public Health Dr. P.H. Leadership Program."
- Mitchell, David, SSL, \$101,523, JPL, "Measuring Mars Exospheric Density with the MGS Electron Reflectometer."
- Morris Jr, John W., ESRC, \$50,000, LLNL, "Research on Microstructure and Creep Mechanisms in Worked Elgiloy Spring Strips."
- Nelson, Kara L., IESE, \$10,000, EPA, "UV-Tube Design Concept for Sustainable, Point-of-Use Water Disinfection."
- Neureuther, Andrew R., ERL, \$30,000, Advanced Micro Devices, Inc., "Feature Level Compensation and Control (Year Two)."
- Neureuther, Andrew R., ERL, \$102,000, Applied Materials, Inc., "Feature Level Compensation and Control (Year Two)."
- Neureuther, Andrew R., ERL, \$0, ASM Lithography, "Feature Level Compensation and Control (Year Two)."
- Neureuther, Andrew R., ERL, \$50,000, Atmel Corporation, "Feature Level Compensation and Control (Year Two)."
- Neureuther, Andrew R., ERL, \$0, Beta Squared, Inc., "Feature Level Compensation and Control (Year Two)."
- Neureuther, Andrew R., ERL, \$40,000, Cadence Design Systems, "Feature Level Compensation and Control (Year Two)."
- Neureuther, Andrew R., ERL, \$50,000, Canon Research Center America, Inc., "Feature Level Compensation and Control (Year Two)."
- Neureuther, Andrew R., ERL, \$10,000, Cymer, Inc., "Feature Level Compensation and Control (Year Two)."
- Neureuther, Andrew R., ERL, \$50,000, Cypress Semiconductor, Inc., "Feature Level Compensation and Control (Year Two)."
- Neureuther, Andrew R., ERL, \$20,000, EBARA Technologies, Inc., "Feature Level Compensation and Control (Year Two)."
- Neureuther, Andrew R., ERL, \$40,000, Hitachi, Ltd., "Feature Level Compensation and Control (Year Two)."
- Neureuther, Andrew R., ERL, \$80,000, Intel Corporation, "Feature Level Compensation and Control (Year Two)."
- Neureuther, Andrew R., ERL, \$50,000, KLA Tencor Corp, "Feature Level Compensation and Control (Year Two)."
- Neureuther, Andrew R., ERL, \$50,000, Mentor Graphics Corporation, "Feature Level Compensation and Control (Year Two)."
- Neureuther, Andrew R., ERL, \$15,000, Nikon, Inc., "Feature Level Compensation and Control (Year Two)."
- Neureuther, Andrew R., ERL, \$25,000, Novellus Systems, Inc., "Feature Level Compensation and Control (Year Two)."
- Neureuther, Andrew R., ERL, \$0, Panoramic Technology Inc., "Feature Level Compensation and Control (Year Two)."
- Neureuther, Andrew R., ERL, \$20,000, Synopsys Inc., "Feature Level Compensation and Control (Year Two)."
- Neureuther, Andrew R., ERL, \$75,000, Tokyo Electron America, Inc., "Feature Level Compensation and Control (Year Two)."
- Neureuther, Andrew R., ERL, \$725,953, UC Discovery Grant-Electron Manufacturing and New Material, "Feature Level Compensation and Control (Year Two)."
- Ngai, John, Functional Genomics Laboratory, \$43,925, The J. David Gladstone Institutes, "The NHLBI Bay Area Functional Genomics Consortium."
- Nishiizumi, Kunihiko, SSL, \$690,000, NSF, "Collaborative Research: A Proposal for the Cosmic-Ray Produced NUclide Systematics on Earth (CRONUS-EARTH) Project."
- Oieroset, Marit, SSL, \$245,945, NASA Goddard Space Flight Center, "Distant Tail Magnetic Reconnection."
- Padilla, Genaro, Center for Educational Outreach, \$294,626, California Commission on Improving Life through Service, "Destination: College CLASP."

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C&G Awards in March *(continued)*

- Parks, George, SSL, \$924,000, NASA Goddard Space Flight Center, "Mission Operation and Data Analysis of the Ultra Violet Imaging (UVI) Experiment for the Polar Extended Mission."
- Permaul, Nadesan, Transportation Services, \$61,250, Alameda County, "UC Berkeley Bicycle Plan."
- Phan, Tai, SSL, \$98,847, NASA Goddard Space Flight Center, "The Flank Low-Latitude Boundary Layer."
- Portnoy, Daniel A., MCB, \$349,110, National Institute of Allergy and Infectious Diseases, "Vertical Transmission of *Listeria Monocytogenes*."
- Quan, Katie, IIR, \$80,000, California Wellness Foundation, "California Lead Organizer Institute."
- Richards, Paul L., Physics, \$595,000, NASA Goddard Space Flight Center, "Frequency - Domain Multiplexing for Arrays of Transition - Edge Sensors."
- Roorda, Austin J., Optometry, \$140,000, UCSC, "Adaptive Optics Scanning Laser Ophthalmoscope."
- Rubin, Yoram N., IESE, \$103,489, Consortium of Univs for the Advt of Hydrologic Science, Inc., "National Center for Hydrologic Synthesis."
- Sastry, S. Shankar, ERL, \$62,890, ONR, "Coordinated Operations for Groups of Unmanned Underwater Vehicles."
- Scheffler, Richard, Public Health, \$41,847, UC California Policy Research Center, "Designing Policies to Improve Medical Care for Underserved Minority Populations in California."
- Segalman, Rachel A., Chemistry, \$35,000, American Chemical Society, "Blanketing thermodynamic Interactions in Conducting Polymers."
- Sengupta, Raja, ITS, \$395,781, General Motors Corporation, "Cooperative Vehicle Safety: Research and Demonstration."
- Sequin, Carlo H., ERL, \$86,309, UC MICRO, "Collaborative Design Environment."
- Shortell, Stephen M., Public Health, \$2,500, California Wellness Foundation, "2005 Public Health Heroes Gala."
- Shortell, Stephen M., Public Health, \$0, State of California Dept. of Health Services, "Sexually Transmitted Disease (STD) Training Program."
- Sitar, Nicholas, EERC, \$706,321, NEES Consortium, Inc., "NEES Consortium Operation 2004-2014."
- Skabardonis, Alexander, ITS, \$149,205, Caltrans, "Measure and Field Test the Effectiveness of Adaptive Traffic Control for Arterial Signal Management."
- Toste, Dean, Chemistry, \$1,023,948, National Institute of General Medical Sciences, "Catalytic Methods for Carbon-Carbon Bond Foundation."
- Turiel, Elliot, Education, \$44,249, University of Illinois, "The Development of Morality and Compassionate Love in Children."
- Vulpe, Christopher D., Nutritional Sciences and Toxicology, \$68,067, Army Corps of Engrs/Waterways Experiment Station, "Development of Biosensors for Ordnance Related Compounds Based on Signature Gene Expression in *Daphnia Magna*."
- Vulpe, Christopher D., Nutritional Sciences and Toxicology, \$172,503, Roche Foundation for Anemia Research (RoFAR), "Characterization of a Family of Putative Mammalian Heme Chaperones."
- Walsh, Julia A., Public Health, \$71,500, Albert B. Sabin Vaccine Institute, Inc., "The Controversy and Obstacles Surrounding the Introduction of the Three Rotavirus Vaccines: Lessons for the Introduction and Global Use of New Vaccin."
- Watts, Michael J., IIS, \$640,000, Henry Luce Foundation, "Green Governance, Green Peace."
- Weber, Steven, Public Policy, \$149,632, SAIC Science Applications International Corp, "International Ramifications from Nuclear Terrorism."
- Welch, Matthew D., MCB, \$1,231,368, National Institute of General Medical Sciences, "Function and Regulation of the Human Arp2/3 Complex."
- Welsh, Barry Y., SSL, \$30,000, NASA Goddard Space Flight Center, "Serendipitous Source Search."
- Wenk, Hans-Rudolf, Earth and Planetary Science, \$449,718, DOE Chicago Field Office, "Extracting Geological Stresses and Anisotropy from Rocks by Means of Neutron Diffraction."
- Weston, Donald P., IB, \$71,083, San Jose State University Foundation, "Sediment-Associated Pesticides as Factors Controlling Macroinvertebrate Distributions in Central Valley Surface."
- Will, Kipling W., ESPM: Insect Biology, \$131,080, NSF, "REVSYS: Classification of *Loxandri* and Species-Level Revisions of *Feronista*, Australian *Loxandrus* and New World *Oxycrepis* and *Stolonis*."
- Wodzicki, Mariusz, CPAM, \$149,999, NSF, "Noncommutative Geometry."
- Yu, Bin, Statistics, \$66,239, Army Research Office, "Boosting and Sensor Networks."
- Zucker, Irving, Psychology, \$1,673,227, National Institute of Mental Health, "Photoperiod, Behavior and Brain Function."
- Zusman, David R., MCB, \$1,685,871, National Institute of General Medical Sciences, "Sensory Transduction and Development in a Bacterium."