

# FUNDING ALERT

February 11, 2005

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## FUNDING NEWS

### AAAS R&D Funding Update:

#### **Federal R&D Investments Face another Rough Year in 2006; Cuts for Many R&D Programs, Gains for Space Exploration and Homeland Security**

On February 7, President Bush released his proposed budget for fiscal year (2006). Against the background of record-breaking federal budget deficits, a continuing and costly war in Iraq, and expensive proposals to introduce private accounts for Social Security in the future, the federal investment in research and development (R&D) would increase only modestly in 2006, with cuts to R&D programs far outnumbering increases. The AAAS Preliminary Analysis of R&D in the FY 2006 budget, to be released here on February 10, shows that the proposed federal R&D portfolio of \$132.3 billion would be 0.6 percent or \$733 million above this year's funding level, far short of the 2.0 percent increase needed to keep pace with expected inflation. Increases for the continuing priorities of homeland security and space exploration R&D would be greater than the overall increase, leaving all other R&D programs collectively with less money next year than this year.

The non-defense R&D investment would increase 0.7 percent to \$57.1 billion. While the National Aeronautics and Space Administration (NASA) would continue to receive additional resources for its ambitious plans to finish the International Space Station and then plan for a return to the Moon and onward to Mars, most other non-defense R&D agencies would see their funding decline or fall well short of inflation. The National Science Foundation (NSF), after a cut in its budget last year, would receive a modest increase in its total budget for facilities investments but cuts in its education funding and an average 1 percent boost for research programs. As a result, the size of the average NSF research grant would decline for the second year in a row. The National Institutes of Health (NIH) budget would receive \$28.7 billion, with nearly all of the institutes receiving increases of 0.5 percent or less. NIH projects a decline in the number of research project grants (RPGs) for the second year in a row, no inflation adjustment for new or continuing grants, and a decline in the RPG success rate for the fifth year in a row down to 21 percent. Other agencies and programs would see cuts in 2006, consistent with the Bush Administration plan to cut non-defense, non-homeland security spending. The Department of Energy's (DOE) Office of Science would see its budget fall 4 percent, with cuts spread across its broad portfolio of programs in physics, fusion, biology, and energy sciences. R&D programs related to the environment would decline across the board, including cuts to R&D in the U.S. Geological Survey (USGS; down 5 percent), the National Oceanic and Atmospheric Administration (NOAA; down 11 percent), the Environmental Protection Agency (EPA; down 1 percent), and the multi-agency Climate Change Science Program (down 1 percent). The U.S. Department of Agriculture (USDA), enjoying a record R&D portfolio in 2005, would see its R&D funding decline 16 percent in 2006. Among multi-agency initiatives, funding for nanotechnology R&D and IT R&D would both decline.

There would be tough choices even in agencies with increasing budgets. At NASA, a 5 percent boost in R&D funding would still require steep cuts in aeronautics and earth science funding and the cancellation of a proposed Hubble servicing mission to pay for NASA's ambitious space exploration plans. Although DOE's energy R&D would climb 11 percent because of increased investments in hydrogen, nuclear energy, fuel cells, and coal, DOE would eliminate R&D on gas and oil technologies and sharply reduce funding for some renewable energy R&D.

The budget proposes to boost intramural R&D at the National Institute of Standards and Technology (NIST) by 10 percent, but also proposes to eliminate NIST's Advanced Technology Program (ATP) and halve the budget of the Manufacturing Extension Partnership (MEP).

For the first time in nearly a decade, defense R&D shares in the overall climate of fiscal restraint. Defense R&D would increase just 0.4 percent or \$321 million to \$75.2 billion after multi-billion dollar increases in each of the last several years. DOD weapons development would see a modest increase overall, but there would be a \$1 billion cut to missile defense development. On the research side, there would be steep cuts to the Department of Defense's (DOD) future-oriented investments: DOD's S&T programs, encompassing basic and applied research plus early technology development, would plummet 21 percent down to \$10.7 billion. DOE's weapons-related R&D would fall 2.6 percent, including cuts to inertial confinement fusion and advanced computing research.

The only R&D investment area exempt from tough budgetary choices appears to be homeland security. Total homeland security-related R&D would jump 10.7 percent to \$4.6 billion after similar gains over each of the past four years. The Department of Homeland Security (DHS) would boost its R&D investments by 24 percent to \$1.5 billion, mostly for development.

The total federal research investment (basic and applied) would fall 0.6 percent to an estimated \$54.8 billion because of the cuts in both defense and non-defense research.

The AAAS Preliminary Analysis of R&D in the FY 2006 budget will include a comprehensive assessment of R&D in the proposed FY 2006 budget, the FY 2006 budget in the context of historical trends, highlights of agency R&D portfolios, and impacts of the budget on science and engineering disciplines. Also available on February 10 will be newly updated data and charts on the federal R&D portfolio.

WEB: <http://www.aaas.org/spp/rd/>. *AAAS R&D Funding Update, February 8, 2005.*

### **HHMI-NIBIB Partnership for Interdisciplinary Graduate Research Training**

The **Howard Hughes Medical Institute (HHMI)** and the **National Institute of Biomedical Imaging and Bioengineering (NIBIB)** have launched a new program to develop and sustain *Interdisciplinary Research Graduate Training* programs. The primary goal of this initiative is to facilitate the development of new training opportunities in emerging interdisciplinary research environments. It represents an innovative new partnership between the HHMI and the NIBIB that takes advantage of the strengths of the two organizations.

The initiative will consist of two phases. Phase I, described in the HHMI program announcement (see: <http://www.hhmi.org/grants/institutions/nibib.html>), will be funded by HHMI and will support the establishment of new interdisciplinary graduate training programs. The objective of Phase I is to assist institutions to achieve specific core program goals in the following areas: 1) Program Leadership, 2) Curriculum and Educational Resources, 3) Faculty, 4) Graduate Students, 5) Program Administration, and 6) Program Assessment (see the HHMI program announcement for details in each area). As detailed in the HHMI program announcement, a review panel consisting of extramural scientists will evaluate all applications. The NIBIB will be involved in the reviewer selection. After Phase I review, the final selection of awardees will be made by HHMI, following consultation with NIBIB and taking into account the partnership's goals and objectives.

Phase II, to be funded by the NIBIB, will sustain the graduate training programs through their critical early years. The NIBIB will conduct the Phase II competition in early 2008 through the issuance of an announcement for training grant applications. To achieve continuity across the two Phases, efforts will be made to include some Phase I reviewers for the Phase II peer review conducted by the NIBIB.

The Phase II review will use the standard criteria for NIH Institutional Training Grant programs (<http://grants.nih.gov/grants/guide/pa-files/PA-02-109.html>) and may include some additional review criteria. The additional requirements will reflect the program areas described in

the Phase I program announcement (<http://www.hhmi.org/grants/institutions/nibib.html>). Grantee institutions supported for Phase I are expected to apply for Phase II. In addition, any institution that can clearly demonstrate meeting the criteria for the NIH institutional training program and the program areas described in Phase I will be eligible to apply.

INQUIRIES: Meredith D. Temple-O'Connor, Ph.D., 301/451-4792, templecom@mail.nih.gov. *NIH Guide, February 3, 2005.*

## FUNDING OPPORTUNITIES

Listed below are funding opportunities in the following categories: Arts & Humanities, Community Development, Curriculum Development, Environmental & Life Sciences, Graduate Funding, Health Sciences, International Opportunities, Multidisciplinary, Physical Sciences & Engineering, Postdoctoral Funding, and Social Sciences. Please call ORS or the telephone numbers listed with each announcement for more information.

### ARTS & HUMANITIES

#### Asia Project Grants

The **Henry Luce Foundation** invites proposals for the *Asia Project Grants* program. The program provides opportunities to improve understanding between the US and the Asia-Pacific region. These grants typically support advanced scholarship, create new resources, or promote the exchange of ideas and information between Americans and Asians. Grants are limited to the humanities and social sciences and are typically for longer-term programs or projects. Deadline: **continuous**.

INQUIRIES: 212/489-7700, hlf@hluce.org; WEB: <http://www.hluce.org/4projfm.html>. *COS, February 4, 2005.*

#### Jazz Commissioning Program

**Chamber Music America**, through support from the Doris Duke Charitable Foundation, invites applications for its *Jazz Commissioning Program*. The program supports the creation of new compositions in the jazz idiom. Funding is available to professional jazz ensembles that are led by or include a composer/performer. Ensembles must consist of a core of musicians who perform original music that includes jazz improvisation, have a demonstrated history of performing together as a jazz ensemble, and range in size from two to ten members. Works may represent the wide range of styles associated with jazz, from traditional to non-traditional. The grant includes the composition and performances of the new work. Deadline: **Feb. 24**.

INQUIRIES: William Pace, 212/242-2022, WPace@chamber-music.org; WEB: <http://www.chamber-music.org/programs/newworks.html>. *Foundation Center RFP Bulletin, February 4, 2005.*

#### Arts and Culture Grants

The **EDS Foundation** invites applications for the *Arts and Culture Grants* program. This could include support of outreach programs for exhibitions, special performances, concert series, exhibits, and arts education. Deadline: **Feb. 28, June 27, and Oct. 17**.

INQUIRIES: Diane Spradlin, 972/605-8429, diane.spradlin-eds@eds.com; WEB: <http://www.eds.com/about/community/foundation/>. *COS, January 31, 2005.*

#### NEH Summer Institute: British and Indigenous Cultural Encounters in Native North America 1580-1785

The **John Carter Brown Library** at Brown University invites applications for the *NEH*

*Summer Institute: British and Indigenous Cultural Encounters in Native North America 1580-1785.* The Institute will focus on cultural interactions that occurred between the expedition of John Cabot begun under the patronage of Henry VII in 1497 and the American Revolution, which marked a new direction in the relations between Native Americans and the nations of the US and Canada. One immediate goal of the Institute is to make clear the great variety of cultures and experiences that constituted the New World encounters. A stipend of \$3,600 is available. Deadline: **Mar. 1.**

INQUIRIES: Scott Manning Stevens, 719/645-2575, smsteven@buffalo.edu; WEB: <http://www.english.buffalo.edu/faculty/stevens/NEH.htm>.

### **Nakamichi Foundation Grants**

The **Nakamichi Foundation** invites applications for the *Nakamichi Foundation Grants* program. The purpose of the program is to encourage the propagation and appreciation of baroque and early classical music. Therefore, the majority of grants are given for the purpose of underwriting performances of baroque and classical music or their broadcast on public television or radio. Deadline: **Mar. 15 and Oct. 15.**

INQUIRIES: 714/771-9677, enfoundation@msn.com; WEB: <http://www.enfoundation.com/COS>, February 1, 2005.

### **Consultation Grants for Museums, Libraries, and Special Projects**

The **National Endowment for the Humanities** invites proposals for *Consultation Grants* to help museums, libraries, historical organizations, or community organizations develop a new public humanities project or chart a new interpretive direction of an existing program. They support the costs of conferring with a team of advisors to help identify key humanities themes and questions during the early stages of a project's development. Consultation grants are available to help develop projects in the following three main program categories:

- Libraries and Archives
- Projects in Museums and Historical Organizations
- Special Projects

Deadlines: **Mar. 22.**

WEB: <http://www.neh.gov/grants/guidelines/public-consult.html>.

### **Ensemble Theatre Collaborations Grant and Travel Subsidy Program**

The **Association of Performing Arts Presenters**, through support from the Doris Duke Charitable Foundation, has launched a new \$1.3 million project and travel grant program to encourage collaborations between ensemble theaters and arts presenting organizations. Funding is available through the following grant programs:

- *Project and Infrastructure Grants:* Between 20 to 25 grants in amounts ranging from \$20,000-\$40,000 each will be awarded over two years (with approximately 10-12 grants in Year One) to ensemble theater company collaborations with at least one theater or arts presenter partner. Project grantees may also become eligible for infrastructure support grants in the range of \$5,000-\$10,000 to assist with booking, tour coordination, and management. Deadline: **Mar. 1.**
- *Travel Subsidy Grants:* Grants of up to \$2,000 are available to theater directors, producers, presenters, managers, artists, and agents to see work by ensemble theater companies who have initiated a dialogue with them about a long-term partnership. In addition, artistic, production, education, publicity, or marketing staff at ensemble theater companies are eligible for funds to visit a potential host theater or arts presenter in order to effectively prepare for an engagement at least 6-12 months in advance. Deadlines: **Apr. 4** (for travel during June-Dec. 2005); and **Sep. 9** (for travel during Oct. 2005-Apr.

2006.)

WEB: <http://www.artspresenters.org/>. *Foundation Center's RFP Bulletin, February 5, 2005.*

## COMMUNITY DEVELOPMENT

### Digital Divide Grants

The **EDS Foundation** requests proposals for the *Digital Divide Grants* program. The Foundation recognizes that there is an access and technology gap that exists between the rich and poor, minorities and majority communities, the connected and the unconnected, and the haves and the have nots. Additionally, there is a gap growing between the developed and industrialized countries and the developing and lesser developed countries. The EDS Foundation will focus its grant programs on supporting the solutions to the digital divide that affect communities globally. EDS will fund programs that provide the following:

- **Access:** Provision of computers and Internet connections to community access centers such as schools, libraries, community organizations, and other public access points. The EDS Foundation would provide access grants only if the other program elements were present. The foundation would not fund access only.
- **Content:** Educational software and other programs. This could range from elementary and secondary school academic software to programs that prepare adults for the workplace.
- **Professional development:** Training programs targeted to teachers, counselors, program administrators and staff on how to maximize the use of technology.
- **Evaluation:** Each program would have to define its objectives and demonstrate how it measures success.

Deadlines: **Feb. 28** (for Apr. 28 meeting), **June 27** (for Aug. 26 meeting), and **Oct. 17** (for Dec. 10 meeting).

INQUIRIES: Diane Spradlin, 972/605-8429, [diane.spradlin-eds@eds.com](mailto:diane.spradlin-eds@eds.com); WEB: <http://www.eds.com/about/community/foundation/>. *COS, January 31, 2005.*

### EDS Foundation Grant Opportunities

The **EDS Foundation** offers the following grant opportunities:

- *General Education Grants:* supports programs in general education. This could include after-school programs, mentoring, tutoring, et cetera.
- *Health and Human Services Grants:* supports programs in health and human services. This could include programs that support pre-natal care, immunization, illness prevention, education on health care, access to health care, et cetera.

Deadlines: **Feb. 28, June 27, and Oct. 17.**

INQUIRIES: Diane Spradlin, 972/605-8429, [diane.spradlin-eds@eds.com](mailto:diane.spradlin-eds@eds.com); WEB: <http://www.eds.com/about/community/foundation/>. *COS, January 31, 2005.*

### Projects with Industry

The **Department of Education** invites proposals for the *Projects with Industry* program. The program creates and expands job and career opportunities for individuals with disabilities in the competitive labor market by engaging the talent and leadership of private industry as partners in the rehabilitation process. Projects identify competitive job and career opportunities and the skills needed to perform those jobs, create practical settings for job readiness and training programs, and provide job placements and career advancement services. Deadline: **Mar. 21.**

WEB: <http://www.fedgrants.gov/Applicants/ED/HRO/DCMGC/ED-GRANTS-020305-004/listing.html>. *FedGrants, February 3, 2005.*

### **Dollar General's Adult and Family Literacy Programs**

The **Dollar General Literacy Foundation** invites proposals for the *Adult and Family Literacy Program*. The foundation funds nonprofit programs designed to serve adults or families in need of literacy services. Applications are accepted in one of the two following program areas:

- literacy instruction for adults, including Adult Basic Education, GED preparation, and English for Speakers of Other Languages
- family literacy.

Awards are granted in the amount of \$15,000 or less. Deadline: **Apr. 8**.

WEB: <http://www.dollargeneral.com/community/dgliteracy.aspx>. *Foundation Center's RFP Bulletin, February 4, 2005.*

### **2005 Kodak American Greenways Grants**

The *Kodak American Greenways Awards Program*, a partnership project of the **Eastman Kodak Company**, the **Conservation Fund**, and the **National Geographic Society**, provides small grants to stimulate the planning and design of greenways in communities throughout America. Grants may be used for activities such as mapping, ecological assessments, surveying, conferences, and design activities; developing brochures, interpretative displays, audio-visual productions, or public opinion surveys; hiring consultants, incorporating land trusts, building a foot bridge, planning a bike path, or other creative projects. In general, grants can be used for all appropriate expenses needed to complete a greenway project, including planning, technical assistance, legal, and other costs. Deadline: **June 1**.

WEB: <http://www.conservationfund.org/?article=2372>. *Foundation Center's RFP Bulletin, February 4, 2005.*

Also see these listings:

- **Grant Competition to Prevent High-Risk Drinking or Violent Behavior among College Students**
- **NSF Graduate Teaching Fellows in K-12 Education**

## **CURRICULUM DEVELOPMENT**

### **Genomics Education Matching Fund Program**

**LI-COR Biosciences** is offering \$2 million in matching funds through the company's *Genomics Education Matching Fund* program (GEMF) to undergraduate colleges and high schools to enhance their programs in genomic education. The GEMF program helps schools acquire LI-COR DNA sequencing instruments and software for use by students studying molecular biology and related fields. LI-COR will award a limited number of matching fund grants (value up to \$50,000) to eligible academic institutions to be used toward the purchase of a LI-COR DNA Analysis System, including instrument, software, and reagents. Eligible institutions must demonstrate how they will incorporate the LI-COR DNA analysis system to teach undergraduate or high school students. Additionally, schools may use the instruments for faculty and student research programs. Deadline: **Mar. 1**.

WEB: [http://www.licor.com/bio/Undergrad/matching\\_funds.jsp](http://www.licor.com/bio/Undergrad/matching_funds.jsp). *Foundation Center's RFP Bulletin, February 4, 2005.*

### **NSF Graduate Teaching Fellows in K-12 Education**

The **National Science Foundation** seeks applications for the *NSF Graduate Teaching Fellows in K-12 Education* (GK-12) program. The objectives of the GK-12 program are:

- to support highly qualified graduate students in NSF-supported science, technology,

engineering, and mathematics (STEM) disciplines through fellowships to provide them with an opportunity to acquire additional skills that will broadly prepare them for professional and scientific careers in the 21st century;

- to improve STEM instruction in K-12 schools; and
- to provide institutions of higher education with an opportunity to make a permanent change in their graduate programs by including partnerships with K-12 schools in a manner that is of mutual benefit to their faculties and students.

GK-12 Fellows are selected by the awardee institutions, and work directly with GK-12 teachers, in and out of the classroom.

NSF offers two tracks within the GK-12 program: Track 1 (initial track) designed for new projects, and Track 2 (follow-on track) designed for past or current projects to build, expand, and improve on initial experiences.

Proposals to this program are **institutionally restricted**; if you are interested in applying, please contact Ken Macdonald, Duke ORS, 681-5988 or kwmac@duke.edu. Deadlines: **Mar. 23** (Duke internal); **May 4** (NSF letter of intent); **June 2** (application).

WEB: [http://www.nsf.gov/publications/pub\\_summ.jsp?ods\\_key=nsf05553&org=NSF](http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf05553&org=NSF).

### **Youth Leadership Program for Bosnia and Herzegovina**

The **Office of Citizen Exchanges**, Youth Programs Division, of the **Bureau of Educational and Cultural Affairs** announces an open competition for *Youth Leadership Program for Bosnia and Herzegovina*. The goals of the program are as follows:

- to provide a civic education program that helps the participants understand civic participation and the rights and responsibilities of citizens in a democracy;
- to develop leadership skills among secondary school students appropriate to their needs; and
- to build personal relationships among high school students and teachers from Bosnia and Herzegovina and the US.

A successful project will be one that nurtures a cadre of students and teachers to be actively engaged in addressing issues of concern in their schools and communities upon their return home and are equipped with the knowledge, skills, and confidence to become citizen activists.

Deadline: **Mar. 24**.

WEB:

<http://a257.g.akamaitech.net/7/257/2422/01jan20051800/edocket.access.gpo.gov/2005/05-1523.htm>. *Federal Register*, January 27, 2005.

### **Educational Outreach Program**

The **US Office of Naval Research** invites proposals for the *Educational Outreach Program*. The purpose of this research program is to promote the development of a demonstration program utilizing state of the art wireless technology to:

- support K-12 educational initiatives for the development of professional development curriculum to prepare teachers to lead their students in inquiry based learning and the use of advanced technology;
- develop student curricula utilizing project based learning and advanced technology which supports requirements for science and technology education developed by the Hawaii Department of Education and
- use emerging technologies to assist students in developing new skills for application in the digital economy in support of the Office of Naval Research's mission of scientific outreach and education in working to develop the next generation of scientists capable to support the continued development of critical technologies in support of the Department of Defense.

Deadline: **Mar. 25.**

WEB: <http://www.fedgrants.gov/Applicants/USN/ONR/HQ/RA05-001/Grant.html>.  
*FedGrants, February 8, 2005.*

### **Advancing the Practice of Preventive Medicine**

The **Centers for Disease Control and Prevention** invites applications for a *Cooperative Agreement to Advance the Practice of Preventive Medicine*. The purpose of the program is to strengthen the workforce of health professionals, ensuring that graduates of medical schools and graduate programs in public health receive excellent instruction, educational preparation and practical experience in the areas of disease prevention and health promotion. Deadline: **Apr. 9.**

WEB: <http://www.fedgrants.gov/Applicants/HHS/CDC/PGO/CDC-RFA-05049/listing.html>.  
*FedGrants, February 8, 2005.*

### **Early Childhood Educator Professional Development Program**

The **Department of Education** invites proposals for the *Early Childhood Educator Professional Development Program (ECEPD)*. The purpose of the program is to enhance the school readiness of young children, particularly disadvantaged young children, and to prevent them from encountering difficulties once they enter school, by improving the knowledge and skills of early childhood educators who work in communities that have high concentrations of children living in poverty. Projects funded under the ECEPD program provide high-quality, sustained, and intensive professional development for these early childhood educators in how to provide developmentally appropriate school-readiness services for preschool-age children that are based on the best available research on early childhood pedagogy and on child development and learning. For these grants, increased emphasis is being placed on the quality of program evaluations for the proposed projects. Deadline: **Apr. 22.**

WEB:

<http://a257.g.akamaitech.net/7/257/2422/01jan20051800/edocket.access.gpo.gov/2005/05-2438.htm>. *Federal Register, February 7, 2005.*

Also see these listings:

- **Asia Project Grants**
- **Information and Intelligent Systems: Advancing Collaborative and Intelligent Systems and their Societal Implications**
- **US Institute of Peace Grants**

## **ENVIRONMENTAL & LIFE SCIENCES**

### **Water Conservation Field Service Program**

The **Bureau of Reclamation** created the *Water Conservation Field Service Program*, which is designed to: encourage water conservation; assist water agencies to develop and implement effective water management and conservation plans; coordinate with state and other local conservation plan efforts; and generally foster improved water management on a regional, statewide, and watershed basis. Areas of emphasis include:

- Water Management Planning
- Water Conservation Education
- Demonstration of Innovative Technologies
- Implementation of Conservation Measures

Deadline: **Mar. 15.**

WEB:

<http://www.fedgrants.gov/Applicants/DOI/BOR/MP3800/Solicitation%26%23032%3BNumber%26%23032%3B05SF204023/listing.html>. *FedGrants*, February 3, 2005.

### **Glass Industry of the Future**

The **US Department of Energy, Office of Energy Efficiency and Renewable Energy** is seeking applications for cost-shared research and development of technologies which will reduce energy consumption, reduce environmental impacts and enhance economic competitiveness of the domestic *glass industry*. Deadline: **Apr. 1**.

WEB: <http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-PS36-05GO95006/listing.html>. *FedGrants*, February 3, 2005.

### **US Globec - Global Ocean Ecosystems Dynamics: Synthesis in the Northwest Atlantic/Georges Bank Program and the Northeast Pacific/Coastal Gulf of Alaska Program**

The **National Science Foundation** seeks proposals for the *US Globec - Global Ocean Ecosystems Dynamics: Synthesis in the Northwest Atlantic /Georges Bank Program and the Northeast Pacific/Coastal Gulf of Alaska Program*. The solicitation pertains to two of the regional programs, NWA/Georges Bank and the NEP/Coastal Gulf of Alaska (CGOA) subregion. For both programs, synthesis and comparative analysis are the focus. No new field studies will be funded. This is a second stage of synthesis for the NWA program. The priority focus for this stage of the NWA program will be on basin-scale coupling or climate-related phenomena. Consult the program solicitation (<http://www.nsf.gov/pubs/2005/nsf05552/nsf05552.htm>) for more detailed information. Deadline: **May 9**.

WEB: <http://www.fedgrants.gov/Applicants/NSF/OIRM/HQ/05-552/listing.html>. *FedGrants*, February 8, 2005.

Also see these listings:

- **NSF Graduate Teaching Fellows in K-12 Education**
- **Ultra-High Efficiency Industrial Steam Generation**

## **GRADUATE FUNDING**

**Department of Defense** -- *Science, Math, and Research for Transformation (SMART)*. Deadline: **Mar. 4**. WEB: <http://www.ors.duke.edu/find/student/grad/gradmulti.html#smart>

**Feminist Review Trust** -- *Writing-Up Scholarship*. Deadline: **May 31**. WEB: <http://www.ors.duke.edu/find/student/grad/gradhumsoc.html#wus>

**James Madison Memorial Fellowship** -- *Junior Fellowships*. Deadline: **Mar. 1**. WEB: <http://www.ors.duke.edu/find/student/grad/gradhumsoc.html#jamesmadison>

**National Wildlife Refuge System** -- *Centennial Scholarship Program*. Deadline: **Apr. 15**. WEB: <http://www.ors.duke.edu/find/student/grad/gradsci.html#nwfscsp>

**National Women's Studies Association** -- *Scholarship in Jewish Women's Studies*. Deadline: **Mar. 1**. WEB: <http://www.ors.duke.edu/find/student/grad/gradhumsoc.html#jewishstudies>

**North Carolina Sea Grant College Program** -- *John A. Knauss Marine Policy Fellowship*. Deadline: **Apr. 6**. WEB: <http://www.ors.duke.edu/find/student/grad/gradsci.html#knauss>

**Society of Wetland Scientists** -- *Student Research Grant Program*. Deadline: **Feb. 28**. WEB: <http://www.ors.duke.edu/find/student/grad/gradsci.html#srgp>

**Stonewall Jackson Foundation** -- *John and Barbara Nau Graduate Fellowship*. Deadline: **Mar. 1**. WEB: <http://www.ors.duke.edu/find/student/grad/gradhumsoc.html#jabnfatsjh>

## HEALTH SCIENCES

### Cancer Research Grants

The **Elsa U. Pardee Foundation** accepts applications for *Cancer Research Grants*. The purpose of the grants relate to the cure and control of cancer. The foundation particularly welcomes innovative, small-scale, short-term projects that may be difficult to fund elsewhere. Deadline: **continuous**.

Before approaching this foundation, please contact the Medical Center's Office of Foundation Relations, or the Campus' Office of Corporate and Foundation Relations.

WEB: <http://www.pardeefoundation.org/process.htm>.

### T. Franklin Williams Scholars Award Program

The **AGS Foundation for Health in Aging** and the **Association of Subspecialty Professors**, have announced a call for applications for the *2005 T. Franklin Williams Scholars Award Program*, which is intended to enable individuals to initiate and ultimately sustain a career in research and education. The award recipient, an internal medicine geriatrician holding a junior-level faculty appointment at a US academic medical institution, will receive a two-year award of \$75,000 to conduct research that bridges the gap between geriatrics and internal medicine subspecialties. Deadline: **Feb. 28**.

WEB: <http://www.healthinaging.org/> and <http://www.americangeriatrics.org/>. *Foundation Center's RFP Bulletin, February 4, 2005*.

### Translational Research Program

The **Leukemia & Lymphoma Society**, a national health organization that sponsors research on leukemia, lymphoma, and myeloma, announces a call for preliminary applications for its *Translational Research Program*. The program is designed to encourage and provide early-stage support for clinical research in leukemia, lymphoma, and myeloma that leads to the development of innovative approaches to treatment, diagnosis, and/or prevention. The program also fosters collaboration between basic and clinical scientists with the intent of enhancing the transfer of basic research findings to clinical usefulness. The program funds research that shows high promise for translating basic biomedical knowledge to prevention or new treatments and, ultimately, to prolong and enhance life. Deadline: **Mar. 1**.

WEB: [http://www.leukemia-lymphoma.org/all\\_page?item\\_id=11620](http://www.leukemia-lymphoma.org/all_page?item_id=11620). *Foundation Center's RFP Bulletin, February 4, 2005*.

### Consequences of Drug Abuse and Alcohol Exposure on Brain and Behavioral Development

The **National Institutes of Health** invites proposals for the *Consequences of Drug Abuse and Alcohol Exposure on Brain and Behavioral Development* program. This program calls for research that addresses the effects of drug exposure on neurobiological and behavioral development, spanning the continuum of human development through the transition to adulthood with a focus on the following areas:

- documentation of the effects of exposure on development,
- examination of the effect of timing of exposure on development,

- examination of mechanisms that link exposure to adverse consequences, and
- determination of the role of environmental context on the effects of exposure.

Research on animal models alone will be considered nonresponsive. This program will support research on the spectrum of drugs of abuse, both licit and illicit. Of particular interest are studies of active use and abuse and studies that reflect current usage patterns and research needs, including the abuse of prescription painkillers, psychostimulant medications and inhalants. Researchers from diverse fields (drug addiction, developmental neuroscience and behavior, developmental psychopathology, neuroimaging) are strongly encouraged to apply their knowledge and expertise to understanding the complexities of the effects of drugs of abuse on the developing human brain and behavioral outcomes. Deadline: **Mar. 18** (letters of intent), **Apr. 18** (proposal).

WEB: <http://grants.nih.gov/grants/guide/rfa-files/RFA-DA-05-007.html>. *NIH Guide, February 2, 2005.*

#### **Drugs for Neglected Diseases Initiative**

The **Drugs for Neglected Diseases Initiative** (DNDi) has issued a call for letters of interest to develop effective, safe, affordable, and field-adapted drugs by addressing the needs of patients suffering from the most neglected communicable diseases. DNDi solicits drug discovery and development of projects focusing on the following:

- human African trypanosomiasis
- Chagas disease, and
- leishmaniasis

Deadline: **Mar. 18**.

INQUIRIES: +41(0)22-906-9230, [dndi@dndi.org](mailto:dndi@dndi.org); WEB: <http://dndi.org/>. *COS, January 31, 2005.*

#### **Prostate Cancer Clinical Consortium Award**

The **US Army Medical Research Office** invites applications for the *Prostate Cancer Clinical Consortium Award*. The Consortium Award will provide support to develop a consortium whose function will be to facilitate the rapid execution of collaborative Phase II or Phase II-linked Phase I (Phase I/II) clinical trials testing therapeutic agents or approaches for the management or treatment of prostate cancer. The overarching goal of the Clinical Consortium Award is to combine the efforts of the nations leading investigators to bring to market novel therapeutic interventions that will ultimately decrease the overall impact of the disease. The Coordinating Center will have multidisciplinary expertise and extensive experience in developing and conducting multi-institutional clinical trials of innovative treatment approaches in support of prostate cancer research. Deadline: **June 7**.

WEB: <http://www.fedgrants.gov/Applicants/USA/USAMRAA/DAMD17/PC05-CCA/listing.html>. *FedGrants, February 4, 2005.*

#### **NICHD Maternal Fetal Medicine Units Network**

The **National Institute of Child Health and Human Development** (NICHD) invites applications from investigators willing to participate with the NICHD under a cooperative agreement in an ongoing multi-center clinical program designed to investigate problems in clinical obstetrics, particularly those related to prevention of low birth weight, prematurity, and medical problems of pregnancy. The objective of this program is to facilitate resolution of these problems by establishing a network of academic centers that, by rigorous patient evaluation using common protocols, can study the required numbers of patients and can provide answers more rapidly than individual centers acting alone. Deadline: **Jul. 22**.

WEB: <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/RFA-HD-04-023/listing.html>.

*FedGrants, February 7, 2005.*

Also see these listings:

- **Advancing the Practice of Preventive Medicine**
- **Investigator Awards in Health Policy Research**
- **Leadership, Management, and Sustainability Program**
- **Strengthening Collaboration between the Disciplines of Academic Medicine and Public Health**
- **Stanley Foundation Research Grants Program**
- **Technology Development for Biomedical Applications**

## **INTERNATIONAL OPPORTUNITIES**

### **Hubert H. Humphrey Fellowship Program**

The **Department of State** invites applications for the *Hubert H. Humphrey Fellowship Program*. The goal of the Humphrey Program is to strengthen US interaction with outstanding mid-career professionals from a wide range of countries with developmental needs while providing the Humphrey Fellows with opportunities to develop professional expertise and leadership skills for public service in their countries. The Humphrey program targets vital fields supporting development and improvement of the human condition while strengthening the public service sector. Each year this Program brings accomplished professionals from designated countries in Africa, the Western Hemisphere, Asia, Europe, Eurasia and the Middle East to the US for a ten-month stay combining non-degree graduate study, professional development, and leadership training. Candidates for the Program are nominated by US Embassies or binational Fulbright Commissions based on the candidates' professional backgrounds, academic qualifications and leadership potential. By providing these emerging leaders with opportunities to understand US society and culture and to collaborate with senior level colleagues on cutting edge projects in the fields in which they work, the Program provides a basis for the on-going cooperation of US citizens with their professional counterparts in other countries. Deadline: **Mar. 18.**

WEB: <http://www.fedgrants.gov/Applicants/State/ECA/IIP-EX-EM/ECA-A-S-U-06-01/listing.html>. *FedGrants, January 25, 2005.*

Also see these listings:

- **Asia Project Grants**
- **Digital Divide Grants**
- **Scaife Foundation Grants**
- **Youth Leadership Program for Bosnia and Herzegovina**

## **MULTIDISCIPLINARY**

### **US Institute of Peace Grants**

The **US Institute of Peace** (USIP) requests proposals for the following programs:

- *Solicited Grants:*
  - *Solicitation A: Promoting Sustainable Peace in Societies Emerging from Violent Conflict.* Solicitation A supports research, education and training, and the dissemination of information on international peace and conflict resolution.

Proposals should be innovative, policy-oriented, and empirically grounded. They may be research-oriented in nature or may entail training and education projects, including curriculum development.

- *Solicitation B: Conflict and Peacemaking in the Muslim World.* USIP invites proposals for policy-oriented research that advances understanding of social, political, and religious dynamics affecting societal conflict and peacemaking in Muslim-majority states and those with significant Muslim minorities. The institute also encourages proposals for training, education, and pilot projects designed to strengthen the capacity of domestic and other groups to mediate violent, or potentially violent, conflicts and promote peaceful approaches to resolving conflict and advancing understanding across ethnic and religious lines.
- *Unsolicited Grants:* Unsolicited grants are offered across a broad range of relevant disciplines, skills, and approaches. Topic areas of interest to the institute include, but are not restricted to, international conflict resolution; diplomacy; negotiation theory; functionalism and "track two" diplomacy; methods of third-party dispute settlement; international law; international organizations and collective security; deterrence and balance of power; arms control; psychological theories about international conflict; the role of nonviolence and nonviolent sanctions; moral and ethical thought about conflict and conflict resolution; and theories about relationships among political institutions, human rights, and conflict. The institute sets no disciplinary restrictions. It welcomes proposals of an interdisciplinary or multidisciplinary nature.

Deadline: **Mar. 1** (for solicited and unsolicited grants).

WEB: <http://www.usip.org/grants/index.html>. *COS, January 14, 2005.*

#### **Stanley Foundation Research Grants Program**

The **National Alliance for the Mentally Ill** and the **Stanley Medical Research Institute** solicit proposals for the *Stanley Foundation Research Grants Program*. The Stanley Foundation will support research grant proposals in areas that are of primary interest to the foundation. These are as follows:

- Animal and human studies that are directly relevant to the identification of new compounds for the treatment of schizophrenia or bipolar disorder
- Neuropathology, utilizing brain specimens from the Stanley Brain Collection or other collections
- Neurovirology and neuroimmunology relevant to the causes and treatment of schizophrenia and bipolar disorder

Deadline: **Mar. 1**.

INQUIRIES: Rhoda Marte, 301/571-0760, [marter@stanleyresearch.org](mailto:marter@stanleyresearch.org); WEB: <http://www.stanleyresearch.org/programs/grants.asp>. *COS, February 4, 2005.*

#### **King Faisal International Prize**

**King Faisal Foundation**, Saudi Arabia's most prominent philanthropic organization, was founded on the precepts of preserving and promoting Islamic culture and of assisting the least fortunate. These goals are achieved through various means, not less of which is the annual presentation of *King Faisal International Prize*. By recognizing leading scientists and academics for their contributions to humanity and prominent individuals whose service to Islam has benefited large numbers of people, the Foundation hopes that the direct and indirect effects of the Prize will be far reaching. King Faisal International Prize comprises five categories: Science, Medicine, Arabic, Literature, Islamic Studies, and Service to Islam. With the exception of Service to Islam, each category is distinguished by a topic that changes each year. Through its stringent selection procedures, King Faisal International Prize has become one of the world's pre-eminent

awards. Topics for 2006: 1) The Origins of Islamic Jurisprudence, 2) The Arabic Language in Modern Linguistics, 3) Biology of Vascular Inflammation and 4) Mathematics. Deadline: **Mar. 1** (nominations).

INQUIRIES: [kfipinfo@kff.com](mailto:kfipinfo@kff.com); WEB: <http://www.kff.com/>.

### **Research Opportunities in Space and Earth Sciences**

NASA has issued a research announcement entitled *Research Opportunities in Space and Earth Sciences (ROSES) - 2005*. This announcement solicits proposals for over 50 program elements supporting basic and applied research and technology across the entire range of NASA's space and earth science programs. Proposal dates are scheduled starting in April, 2005 and continue through February, 2006. Electronically submitted Notices of Intent to propose are requested for all program elements. Note that submitting organizations must be registered with the NASA proposal data system in order to submit the required electronic proposal Cover Page. The following are solicited research programs within ROSES with upcoming due dates:

- *GALEX Guest Investigator* solicits proposals for the acquisition and analysis of new scientific data from the Galaxy Evolution Explorer. Deadlines: **Mar. 11** (Notice of Intent/Step 1), **Apr. 8** (proposal)
- *Large Scale Biosphere-Atmosphere Experiment in Amazonia* solicits investigations to analyze data from the Large Scale Biosphere -Atmosphere Experiment in Amazonia (LBA) and to conduct synthetic and integrative research that summarizes the new knowledge obtained through LBA. These investigations may involve new and/or continuing analysis of LBA field, airborne, satellite, or geospatial data sets; modeling; and intercomparison of data products or models. LBA is an international, multidisciplinary cooperative research program led by Brazil that involves several countries. Deadlines: **Mar. 10** (Notice of Intent/Step 1), **Apr. 26** (proposal).
- *Planetary Geology and Geophysics* supports scientific investigations of the planetary surfaces and interiors, satellites, satellite and ring systems, and smaller Solar System bodies such as asteroids and comets. The goals of the program are to foster the gathering, synthesis, analysis, and comparative study of data that will improve the understanding of the extent and influence of planetary geological and geophysical processes on the bodies of the Solar System, the origin and evolution of the Solar System, and the nature of Earth and its history in comparison to other planets. Deadlines: **Mar. 9** (Notice of Intent/Step 1), **May 6** (proposal)
- *Sun-Solar System Connection Guest Investigators* is offered for investigations that draw extensively upon the data sets from NASA's space flight missions. This program is intended to maximize the return from currently operating missions by providing support for research of breadth and complexity beyond those typically being carried out by the presently funded investigations. Deadlines: **Mar. 18** (Notice of Intent/Step 1), **May 13** (proposal).
- *Cosmochemistry* supports investigations of a variety of extraterrestrial materials (meteorites, cosmic dust, and lunar samples) that are aimed at understanding the geochemistry of the Solar System bodies (planets; satellites, including the Earth's Moon; and small Solar System bodies). The goal of this program is to support cosmochemical research projects that increase the understanding of the origin of the Solar System and the processes by which its planets and small bodies have evolved to their present states. NASA is particularly interested in proposals for sample-focused research projects that closely support its activities for exploring the Solar System or that contribute to the development of techniques for such further exploration. Individual investigations may contribute new data, analyze and synthesize existing data, or combine both kinds of activities. Deadlines: **Mar. 25** (Notice of Intent/Step 1), **May 20** (proposal).

- *Ice Cloud and Land Elevation Satellite (ICESat) and Cryosat*: NASA solicits investigations that will reveal important geophysical information based on the unique capabilities of the ICESat mission to explore vertical characteristics of the Earth's surface and atmosphere. While any innovative investigation that offers the potential for meaningful retrieval of such geophysical information is encouraged, NASA particularly encourages investigations that will use ICESat data to address the following:
    - Ice sheet, ice cap, and glacier mass balance and the associated glaciological processes that control this balance to the extent that they can be derived from detailed topographic information;
    - Assessment of sea ice thickness and the mechanical processes that influence ice thickness, particularly in conjunction with data from Cryosat;
    - Atmospheric processes that are influenced by cloud and aerosol vertical distribution;
    - Land surface processes in which detailed topographic information such as that provided by ICESat can provide new insights;
    - Surface hydrology studies that benefit from the ability of ICESat to determine water levels;
    - Vegetation processes that can be informed by the potential vertical structure information captured in GLAS waveforms; and/or
    - Oceanographic processes that benefit from the detail provided by ICESat's small footprint and dense along-track sampling.
- Deadlines: **Mar. 25** (Notice of Intent/Step 1), **May 25** (proposal).

WEB:

<http://nspires.nasaprs.com/external/solicitations/solicitations.do?method=open&stack=push>

#### **BWF Career Awards at the Scientific Interface**

The **Burroughs Wellcome Fund** (BWF) has again invited Duke University to nominate two candidates for its *Career Awards at the Scientific Interface* (CASI) program. In addition, Duke may nominate a third candidate if at least one nominee is African-American, Hispanic, or Native American. CASI is intended to foster the early career development of postdoctoral scientists with backgrounds in the physical and computational sciences whose work addresses biological questions and who are dedicated to pursuing careers in academic research. Candidates must hold a Ph.D. degree in the fields of mathematics, physics, chemistry (physical, theoretical, or computational), computer science, statistics, or engineering. The program is open to US and Canadian citizens and permanent residents. Temporary residents who hold H1B visas may also be eligible; please refer to the program announcement (see link below) for details. CASI provides \$500,000 over five years to support up to two years of advanced postdoctoral training and the first three years of a faculty appointment. Nominations for this program are institutionally restricted; if you are interested, please contact Ken Macdonald, Duke ORS, 681-5988 or [kwmac@duke.edu](mailto:kwmac@duke.edu). Deadlines: **Mar. 14** (Duke), **May 2** (BWF).

WEB: <http://www.bwffund.org/>.

#### **Leadership, Management, and Sustainability (LMS) Program**

The **US Agency for International Development**, Bureau for Global Health welcomes applications for a *Leader with Associates* cooperative agreement to improve the leadership, management and sustainability of accessible quality health programs in the developing world. The anticipated activities funded are expected to strengthen and increase the sustainability of health programs, especially those focused on family planning and reproductive health, through strengthening of management systems as well as leaders and managers. LMS is intended to improve the provision and the sustainability of reproductive health, family planning and other health services, including: maternal health and nutrition interventions; key child health and

nutrition interventions; responses to reduce HIV transmission and to mitigate the impact of the HIV/AIDS pandemic; and interventions to reduce the threat of infectious diseases of public health importance. At the same time, this project is expected to reach beyond strict definitions of health programming in order to expand overall capacity to lead and manage health or other social sector programs. Activities under this project are not limited to a specific health sub-sector. Deadline: **Mar. 25.**

WEB: <http://www.fedgrants.gov/Applicants/AID/OP/WAS/M-OAA-GH-907-00/listing.html>. *FedGrants, January 3, 2005.*

### **Investigator Awards in Health Policy Research**

The *Investigator Awards in Health Policy Research*, a program of the **Robert Wood Johnson Foundation**, funds highly qualified individuals ready to undertake broad studies of America's most challenging policy issues in health and healthcare. Grants of up to \$275,000 are awarded to investigators from a variety of disciplines. Successful proposals combine creative and conceptual thinking with innovative approaches to critical health problems and policy issues. Applications are welcomed from investigators in fields such as anthropology, business, demography, economics, engineering, ethics, genetics, health and social policy, history, journalism, law, medicine, nursing, political science, public health, psychology, science policy, social work, and sociology. Deadline: **Apr. 1.**

WEB: <http://www.rwjf.org/applying/cfpDetail.jsp?cfpCode=IHP&type=open>. *Foundation Center's RFP Bulletin, February 5, 2005.*

### **Strengthening Collaboration between the Disciplines of Academic Medicine and Public Health**

The **Department of Health and Human Services**, Center for Disease Control and Prevention requests proposals to *Strengthen Collaboration between the Disciplines of Academic Medicine and Public Health*. The purpose of the program is to:

- strengthen the quality of medical education and training;
- improve the nation's health by strengthening the collaborations between the disciplines of academic medicine and public health;
- enhance the search for biomedical knowledge; and
- integrate education into the provision of effective health care.

Deadline: **Apr. 4.**

WEB: <http://www.fedgrants.gov/Applicants/HHS/CDC/PGO/CDC-RFA-05050/listing.html>. *FedGrants, February 4, 2005.*

### **Information and Intelligent Systems: Advancing Collaborative and Intelligent Systems and their Societal Implications**

The **National Science Foundation** seeks proposals for the *Information and Intelligent Systems: Advancing Collaborative and Intelligent Systems and their Societal Implications* program. The program is seeking ambitious research and/or education proposals focused in two core research areas:

- *Collaborative Systems*: research fundamental to designing, extending, or evaluating the use or consequences of systems that facilitate collaboration between individuals and other people or machines. Collaborative Systems subsume topics from the prior IIS program areas of Digital Society and Technologies, Human Computer Interaction, and Information and Data Management.
- *Robust Intelligence*: research fundamental to the development of computer systems capable of performing intelligent tasks robustly and flexibly. Robust Intelligence subsumes topics from the prior IIS program areas of Artificial Intelligence and Cognitive

Science, Computer Vision, Human Language and Communication, and Robotics. In addition, the Division is also seeking research and/or education proposals that apply fundamental knowledge in Collaborative Systems and Robust Intelligence to one or more of the following three application areas:

- Digital Government (DG): research outcomes will improve access to information and services provided by government; and, the workings of government. Research challenges are most often effectively addressed through interactions between the computing research community, the social, political, and behavioral science research community, and government agencies.
- Digital Libraries and Archives (DLA): research outcomes will lead to advances in both technical and policy issues concerned with the design and use of curated digital libraries and archives.
- Universal Access (UA): research will lead to advances in computer systems technology so that all people can interact effectively with and leverage the full power of computing.

Deadlines: **May 3** (Collaborative Systems, Universal Access), **May 5** (Robust Intelligence, Digital Government, Digital Libraries and Archives), **Additional deadlines vary - see full announcement for details.**

WEB: <http://www.nsf.gov/pubs/2005/nsf05551/nsf05551.htm>.

### **Technology Development for Biomedical Applications**

The **National Institutes of Health** invites applications for the *Technology Development for Biomedical Applications* program. The purpose of this program is to promote the following:

- the development of new and improved instruments or devices,
- the development of new methodologies using existing instruments, or
- the development of software related to instrumentation.

Any of these projects should propose tools, methodologies, or software that can be used by a wide range of biomedical or clinical researchers. Deadline: **June 22 and Oct. 19.**

WEB: <http://grants2.nih.gov/grants/guide/rfa-files/RFA-RR-05-001.html>. *NIH Guide, February 4, 2005.*

Also see these listings:

- **NSF Graduate Teaching Fellows in K-12 Education**
- **Prostate Cancer Clinical Consortium Award**

## **PHYSICAL SCIENCES & ENGINEERING**

### **Camille & Henry Dreyfus New Faculty Awards**

The **Camille and Henry Dreyfus Foundation's New Faculty Awards Program** is an opportunity for individuals starting their first tenure-track appointments in departments of chemistry, chemical engineering, or biochemistry in 2005 to secure external research funding. The award program provides an unrestricted grant of \$50 K.

Duke as an institution is permitted one nomination. If you are interested, please contact Ken Macdonald, Duke ORS, 681-5988 or [kwmac@duke.edu](mailto:kwmac@duke.edu). Deadlines: **Mar. 16** (Duke internal), **May 12** (external).

WEB: <http://www.dreyfus.org/nf.shtml>.

### **Early Career Principal Investigator Program in Applied Mathematics, Computer Science, and High-Performance Networks**

The **Office of Advanced Scientific Computing Research (ASCR)**, US Department of

Energy, announces its interest in receiving grant applications in support of its *Early Career Principal Investigator Program*. The purpose of this program is to support research in applied mathematics, computer science, and high-performance networks performed by exceptionally talented scientists and engineers early in their careers. Deadline: **Mar. 15**.

WEB: <http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-FG01-05ER05-17/listing.html>. *FedGrants*, February 3, 2005.

### **Ultra-High Efficiency Industrial Steam Generation**

The **US Department of Energy**, Office of Energy Efficiency and Renewable Energy is seeking applications for cost-shared research and development of technologies which will provide the next step in the "SuperBoiler" steam generation initiative. Projects will be in two phases. Phase I will involve research into methods to achieve ultra-high efficiency for industrial water-tube and/or fire-tube package boilers. There will be a down-selection following Phase I. The project(s) continuing into Phase II will build on the results of Phase I to develop an industrial prototype fire- or water-tube package boiler and demonstrate the performance of the boiler in the field. Deadline: **Apr. 15**.

WEB: <http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-PS36-05GO95007/listing.html>. *FedGrants*, February 8, 2005.

Also see these listings:

- **BWF Career Awards at the Scientific Interface**
- **Educational Outreach Program**
- **Glass Industry of the Future**
- **Information and Intelligent Systems: Advancing Collaborative and Intelligent Systems and their Societal Implications**
- **Genomics Education Matching Fund Program**
- **NSF Graduate Teaching Fellows in K-12 Education**
- **Research Opportunities in Space and Earth Sciences**
- **Technology Development for Biomedical Applications**

## **POSTDOCTORAL FUNDING**

**Serono Foundation for the Advancement of Medical Science** -- *Fellowships in Biomedicine and Reproductive Endocrinology*. Deadline: **Feb. 28**. WEB: <http://www.ors.duke.edu/find/student/pdoc/pdocsci.html#fibare>

Also see these listings:

- **BWF Career Awards at the Scientific Interface**

## **SOCIAL SCIENCES**

### **Scaife Foundation Grants**

The **Sarah Scaife Foundation, Inc.** invites proposals for their *grant program*. Grants are directed primarily toward public policy programs that address major domestic and international issues. Funding is provided for general operating support, research grants, special programs support, internships, fellowships, centers, institutes, and publications. Deadline: **continuous** (The foundation meets in Feb., May, Sep. and Nov. to consider grants.)

INQUIRIES: Michael W. Gleba, 412/392-2900; WEB: <http://www.scaife.com/sarah.html>.

*COS, February 1, 2005.*

### **Employment Study**

The **National Council on Disability** requests proposals for the *Employment Study 2005*. The National Council on Disability (NCD) has decided to take an assertive and systematic review of both public and private policies and initiatives aimed at improving the employment of people with disabilities. A primary building block in the sequential but complementary studies on employment is NCD's currently underway Social Security/Transitioning to Work Study, examining the evidence-based practices that promote the return to work (and transition to work) of working age beneficiaries of the DI and SSI programs. The next building block will be this employment study, which will include the following major components:

- a thorough and systematic examination or "environmental scan" of the nexus between employment and the following areas: transportation; housing; reasonable accommodations; education; health care; assistive technology; telecommunications; long-term services and supports, among other topics
- the establishment of a business advisory committee, and the use of public forums to solicit information and input on employment issues and practices;
- the development of informational issue briefs that examine the status and impact of existing employment strategies at the federal, state and local level, such as customized employment, entrepreneurship, telework, supported employment, microbusiness, e-commerce, and competitive employment; and
- a cohesive final report with information drawn from the environmental scan, business advisory committee, public forums and informational briefs along with recommendations aimed at improving the employment status of people with disabilities.

This employment study will be conducted at the same time that NCD undertakes a complementary research initiative on financial incentives available to enhance the ability of people with disabilities to live and work independently and in the community of their choice.

Deadline: **Mar. 22.**

WEB: <http://www.eps.gov/spg/NCD/NCDCS/NCDCS1/NCD05%2D01/listing.html>.

*FedBizOpps, February 4, 2005.*

### **Grant Competition to Prevent High-Risk Drinking or Violent Behavior among College Students**

The **Department of Education** invites proposals for the *Grant Competition to Prevent High-Risk Drinking or Violent Behavior among College Students*. The purpose of the program is to develop or enhance, implement, and evaluate campus and/or community based strategies to prevent high-risk drinking or violent behavior among college students. Deadline: **Mar. 25.**

WEB: <http://www.fedgrants.gov/Applicants/ED/HRO/DCMGC/ED-GRANTS-020805-001/listing.html>. *FedGrants, February 8, 2005.*

Also see these listings:

- **Asia Project Grants**
- **Consequences of Drug Abuse and Alcohol Exposure on Brain and Behavioral Development**
- **Hubert H. Humphrey Fellowship Program**
- **Investigator Awards in Health Policy Research**
- **Leadership, Management, and Sustainability Program**
- **NSF Graduate Teaching Fellows in K-12 Education**

## **ABOUT THE NEWSLETTER**

*Funding Alert* is a weekly online publication of opportunities and news related to federal and private funding for research, instruction, program development, instrumentation, etc. Funding Alert is produced to further the educational and research objectives of Duke University and the Duke University Medical Center.

Duke University campus-based faculty, staff, and students should contact the ORS Funding Opportunities staff with comments and questions:

Ken Macdonald -- [kwmac@duke.edu](mailto:kwmac@duke.edu), 681-5988

Trish McMillan -- [trish.mcmillan@duke.edu](mailto:trish.mcmillan@duke.edu), 681-8925

Duke University Medical Center faculty, staff, and students should contact the School of Medicine Funding Opportunities Specialist with comments and questions:

Justin DeSimone -- [desim004@mc.duke.edu](mailto:desim004@mc.duke.edu), 668-9004

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