

# FUNDING ALERT

March 4, 2005  
(Volume 11, Number 8)

## FUNDING NEWS

### Locating & Applying for Funding - A Workshop for Graduate Students

The **Office of Research Support** is offering the following workshop next week:

- Locating & Applying for Funding -- A Workshop for Graduate Students
- Date: Friday, March 11, 2005
- Time: 10:30 am until 12:00 noon
- Registration required: Email [trish.mcmillan@duke.edu](mailto:trish.mcmillan@duke.edu) with workshop name, date, department, year of study, and phone number.

Got funding? Seeking a fellowship to support research? Want to fund travel for a summer project? Need dissertation support? Take this opportunity to sign up for an account to use Duke's funding databases and learn how to search for funding. Class size is limited.

### Democracy Fellows Program -- Change in Due Date

The **US Agency for International Development** announces a change in due date for the *Democracy Fellows Program*. The original due date of Feb. 28 is changed to **Mar. 23**.

WEB: [http://www.fedgrants.gov/Applicants/AID/postdate\\_1.html](http://www.fedgrants.gov/Applicants/AID/postdate_1.html).

## 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

### Composer Assistance Program

The **American Music Center** solicits proposals for the *Composer Assistance Program*. This program provides direct assistance to composers to help them realize their music in performance, and in some cases, on a recording. Grants are project-based. There must be a specific work (or works) associated with the grant proposal. There must also be a specific event associated with the work, such as a performance, reading, or recording. Deadlines: **May 1, 2005; Oct. 1, 2005; Feb. 1, 2006**.

WEB: <http://www.amc.net/resources/grants/cap.html>. *COS Funding Opportunities, February 25, 2005*.

Also see these listings:

- **International Scholars Program**
- **Kathryn H. Wallace Award for Artists in Community Service**

## COMMUNITY DEVELOPMENT

### **Kathryn H. Wallace Award for Artists in Community Service**

The **Triangle Community Foundation** invites applications for *Kathryn H. Wallace Award for Artists in Community Service*. This award is given to recognize an individual practicing artist residing in Wake, Durham, Orange, or Chatham County who has made a significant contribution to the Triangle community. It is anticipated that the forms of community service provided by the award recipients will be as varied as the artists and the art forms themselves. For some, service may be participation in organizations promoting artists or the arts. For others, service may be in the form of education, involvement in the public schools, teaching arts classes, individual tutoring, or art appreciation, for example. For yet others, it may be creation of a piece of art or a performance that enhances the life of the Triangle and is accessible to all members of the community. The common thread is that the community is in some way enriched by the artist's service. Deadline: **Mar. 15**.

WEB: <http://www.trianglecf.org/static/wallaceschol.shtml>. *COS Funding Opportunities*, February 21, 2005.

### **Coming Up Taller Awards**

The **President's Committee on the Arts and the Humanities** is inviting nominations for its *2005 Coming Up Taller Awards*. In partnership with the **Institute of Museum and Library Services**, the **National Endowment for the Arts**, and the **National Endowment for the Humanities**, the awards recognize the accomplishments of after-school and out-of-school arts and humanities programs and activities for young people across the US. Deadline: **Mar. 24**.

WEB: <http://www.cominguptaller.org/new.html>. *Foundation Center's RFP Bulletin*, February 25, 2005.

### **Urban Networks to Increase Thriving Youth through Violence Prevention**

The **Centers for Disease Control and Prevention** announces the availability of fiscal year 2005 funds for a cooperative agreement to build capacity within US cities to collaborate, plan, and implement *youth violence prevention* principles, practices, and concepts. This includes building a national consortium of key stakeholders representing the viewpoints of US cities that can inform and support reframing the public discourse about youth violence prevention. This also includes developing tools, strategies, and messages to build infrastructure and a broad base of support for youth violence prevention and develop a national strategy to direct urban planning and action to prevent youth violence. Deadline: **Apr. 1** (letter of intent); **May. 2** (application).

WEB:

<http://a257.g.akamaitech.net/7/257/2422/01jan20051800/edocket.access.gpo.gov/2005/05-3981.htm>. *Federal Register*, March 2, 2005.

### **Engaging Persons with Disabilities in National and Community Service**

The **Corporation for National and Community Service** invites applications for *Engaging Persons with Disabilities in National and Community Service*. The purpose of this program is to fund innovative national or regional (operating in at least three or more states) partnership models in which persons with disabilities are engaged in service that results in a measurable impact on the community served. This grant opportunity will engage more Americans with disabilities in national and community service. The Corporation is specifically interested in the following categories:

- Using service as a strategy to assist in the transition of young persons with disabilities from school to adult life.
- Providing adults with disabilities, preferably disabled veterans, the opportunity to engage

in service.

Deadline: **Apr. 12.**

WEB: <http://fedgrants.gov/Applicants/CNCS/OGM/OGM/CNCS-GRANTS-020905-001/listing.html>. *FedGrants, March 1, 2005.*

Also see these listings:

- **Broadening Participation in Computing**
- **Demonstration of Space Research and Applications**
- **Demonstration Projects to Ensure Students With Disabilities Receive a Quality Higher Education**
- **Public Awareness in Underserved Communities**
- **Social Work Excellence Fellowship**
- **Women's Educational Equity Act Program**

## CURRICULUM DEVELOPMENT

### **Demonstration of Space Research and Applications**

The **Department of Air Force** invites applications for *Demonstration of Space Research and Applications*. The overall goal of the program is to provide funding for projects that demonstrate space research and its applications. The outcome of the project funded under this program is only to support educational programming and provide funding for exhibits that demonstrate the application of defense technology and research. The purpose of this program is to seed projects that enhance fundamental public understanding of the space environment and engage underserved youth, adults, and the general public with science and technology. The goal is to promote increased interest in science, mathematics and engineering and to inspire youth to choose careers in these fields. Deadline: **Mar. 30.**

WEB: <http://fedgrants.gov/Applicants/USAF/AFMC/AFOSR/AFOSR-BAA-2005-3/listing.html>. *FedGrants, March 1, 2005.*

### **Middle East Partnership Initiative US Business Internship Program for Young Middle Eastern Women**

The **Office of Academic Exchange Programs** of the **Bureau of Educational and Cultural Affairs** announces an open competition for *Middle East Partnership Initiative (MEPI) US Business Internship Program for Young Middle Eastern Women*. Organizations may submit proposals to administer the participant recruitment, selection, pre-program preparation and alumnae components of the MEPI US Business Internship Program for Young Middle Eastern Women. The purpose of the program is "to enable the Government of the United States to increase mutual understanding between the people of the United States and the people of other countries; to strengthen the ties which unite us with other nations by demonstrating the educational and cultural interests, developments, and achievements of the people of the United States and other nations...and thus to assist in the development of friendly, sympathetic and peaceful relations between the United States and the other countries of the world." Deadline: **Apr. 1.**

WEB: <http://fedgrants.gov/Applicants/State/ECA/IIP-EX-EM/ECA-A-E%26%23032%3B05-01-MEPI%26%23032%3B/listing.html>. *FedGrants, March 1, 2005.*

### **Training in Genomics and Hemoglobinopathies**

The **Department of Health and Human Services** invites applications for *Training in Genomics and Hemoglobinopathies*. The purpose of this program is to train the next generation of

researchers who will utilize genomic and proteomic technologies to facilitate the understanding of the biology of hemoglobinopathies in order to prevent the disease and/or to develop effective therapeutic interventions. Deadline: **Jul. 12**.

WEB: <http://fedgrants.gov/Applicants/HHS/NIH/NIH/RFA-HG-05-002/listing.html>.  
*FedGrants, February 24, 2005.*

Also see these listings:

- **Advanced Learning Technologies**
- **Broadening Participation in Computing**
- **East Timor and South Pacific Scholarship Programs**
- **Graduate Student and Optical Instrumentation Support Related to the Advanced Modular Incoherent Scatter Radar**
- **NIST, Center for Neutron Research Financial Assistance Program**
- **Special Grant Program in the Chemical Sciences**
- **Women's Educational Equity Act Program**

## ENVIRONMENTAL & LIFE SCIENCES

**Regional Centers for the National Institute for Climatic Change Research**  
The US Department of Energy's (DOE) Office of Biological and Environmental Research, announces its interest in receiving applications from US universities to host one of four Regional Centers of the new DOE *National Institute for Climatic Change Research* (NICCR; formerly National Institute for Global Environmental Change). Deadline: **May. 19**.

WEB: <http://fedgrants.gov/Applicants/DOE/PAM/HQ/DE-FG01-05ER05-19/listing.html>.  
*FedGrants, February 24, 2005.*

Also see these listings:

- **In Utero Exposure to Bioactive Food Components and Mammary Cancer Risk**
- **NASA Infrared Telescope Facility**
- **Special Grant Program in the Chemical Sciences**

## GRADUATE FUNDING

- **Academy of Motion Picture Arts and Sciences** -- *Nicholl Fellowships in Screenwriting*. Deadline: **May 1**. WEB: <http://www.ors.duke.edu/find/student/grad/gradhumsoc.html#screenwriting>
- **American Fisheries Society** -- *J. Frances Allen Scholarship*. Deadline: **Mar. 11**. WEB: <http://www.ors.duke.edu/find/student/grad/gradsci.html#jfasffp>
- **Beta Phi Mu** -- *Eugene Garfield Doctoral Dissertation Fellowship (library or information science)*. Deadline: **Mar. 15**. WEB: <http://www.ors.duke.edu/find/student/grad/gradhumsoc.html#laisdf>
- **National Institute on Aging** -- *Dissertation Awards to Increase Diversity*. Deadline: **Mar. 15**. WEB: <http://www.ors.duke.edu/find/student/grad/gradsci.html#ardatid>
- **Roche Research Foundation** -- *Roche MBA Fellowship Programme*. Deadline: **May 2**. WEB: <http://www.ors.duke.edu/find/student/grad/gradhumsoc.html#rochemba>
- **Society for the History of Technology** -- *Melvin Kranzberg Dissertation Fellowship*. Deadline: **Apr. 15**. WEB:

- <http://www.ors.duke.edu/find/student/grad/gradhumsoc.html#hotdf>
- **Society of Women Engineers** -- *Re-Entry Scholarships*. Deadline: **May 15**. WEB: <http://www.ors.duke.edu/find/student/grad/gradsci.html#swe>
  - **Triangle Community Foundation** -- *Shaver-Hitchings Scholarship*. Deadline: **Mar. 15**. WEB: <http://www.ors.duke.edu/find/student/grad/gradmulti.html#shs>

## HEALTH SCIENCES

### **Leadership, Management and Sustainability**

The **US Agency for International Development** solicits proposals for a *Leader with Associates* cooperative agreement to improve the leadership, management and sustainability of accessible quality health programs in the developing world. The 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. Deadline: **Mar. 25**.

WEB: <http://fedgrants.gov/Applicants/AID/OP/WAS/M-OAA-GH-907-00/listing.html>.  
*FedGrants, February 28, 2005.*

### **Emergency Medical Services for Children: Network Development Demonstration Project**

The **Department of Health and Human Services** invites applications for the *Emergency Medical Services for Children: Network Development Demonstration Project*. The project should:

- demonstrate the value of a network designed to be the platform from which to conduct investigations on the efficacy of treatments, transport, and care responses including those preceding the arrival of children to hospital emergency departments;
- overcome present difficulties in assessing efficacy and quality of care and ensuring accountability in State EMSC Programs that derive from the relatively small incidence rates of pediatric emergency events; and
- provide a means to conduct observational and randomized studies on a variety of issues related to EMSC, including processes involved in transferring research results to treatment settings.

Deadline: **Apr. 27**.

WEB: <http://fedgrants.gov/Applicants/HHS/HRSA/GAC/HRSA-05-057/listing.html>.  
*FedGrants, February 25, 2005.*

### **National Training and Technical Assistance Center for Child and Adolescent Mental Health Cooperative Agreement**

The **Department of Health and Human Services** invites applications for the *National Training and Technical Assistance Center (NTTAC) for Child and Adolescent Mental Health Cooperative Agreement*. The NTTAC will serve as a national resource and training center to promote the planning and development of child and family-centered, culturally competent, and coordinated systems of care for children and adolescents with, or at risk for, a serious emotional disturbance and their families within home- and community-based settings. The NTTAC will provide access to information and expertise on systems of care development, implementation, and policy issues through a variety of knowledge distribution approaches and technologies. Priority areas of focus will include:

- strengthening the capacity of States and communities to transform their mental health system;
- state planning and policy development to implement family-driven and youth-guided

- comprehensive systems of care across child-serving systems;
- family and youth-centered care planning;
- financing strategies in public and private sectors;
- data management and accountability;
- workforce and leadership development;
- evidence-based practice;
- early identification and intervention;
- integration of care with primary health, child-care, schools, child welfare, juvenile justice, and substance abuse;
- cultural, racial, and geographic disparities;
- vulnerable population groups; and
- technology coordination and dissemination.

Deadline: **Apr. 29.**

WEB: <http://fedgrants.gov/Applicants/HHS/SAMHSA/CMHS/SM-05-013/listing.html>.  
*FedGrants, March 2, 2005.*

#### **Nurses Charitable Trust Grant**

The **American Nurses Foundation** invites applications for the *Nurses Charitable Trust Grant*. The purpose of the program is to encourage the research career development of all nurses. This grant has no restrictions placed upon the research focus of the award. Deadline: **May. 2.**

INQUIRIES: 301/628-5298, ANF@ana.org; WEB:  
<http://www.anfonline.org/anf/nrggrant.htm>. *COS Funding Opportunities, February 21, 2005.*

#### **Genetics and Public Policy Fellowship**

The *Genetics and Public Policy Fellowship* is co-sponsored by the **American Society of Human Genetics (ASHG)** and the **National Human Genome Research Institute (NHGRI)**. This fellowship program is designed for genetics professionals with an advanced degree who are interested in the development and implementation of national genetics health and research policies. The fellow will have the opportunity to participate in policy analysis at the NHGRI and the ASHG and to work directly with the US Congress. Deadline: **May. 2.**

WEB: <http://www.ashg.org/genetics/ashg/ashgmenu.htm>. *COS Funding Opportunities, February 25, 2005.*

#### **Beta Cell Regeneration for Diabetes Therapy**

The **National Institute of Diabetes and Digestive and Kidney Diseases** invites applications for the *Beta Cell Regeneration for Diabetes Therapy* program. The purpose of the program is to fund projects to characterize the regenerative potential of human beta cells and/or islets in vivo, to identify cellular and molecular components regulating pancreas regeneration in normal and diabetic adults, and to identify mediators and cellular targets with therapeutic potential for enhancing pancreatic regeneration in diabetic patients. It is anticipated that findings will facilitate attempts to slow or reverse tissue damage, and/or enhance recovery of beta cell function in diabetes. Deadline: **Jun. 22.**

WEB: <http://fedgrants.gov/Applicants/HHS/NIH/NIH/RFA-DK-05-007/listing.html>.  
*FedGrants, March 1, 2005.*

Also see these listings:

- **Career Development Award**
- **Continued Development and Maintenance of Software**
- **In Utero Exposure to Bioactive Food Components and Mammary Cancer Risk**
- **Lung Response to Inhaled Highly Toxic Chemicals**

- **Research in support of the Directed Energy Bioeffects Division of the Human Effectiveness Directorate**
- **Screening Centers Network**
- **Social Work Excellence Fellowship**
- **Solicitation of Assays for High Throughput Screening (HTS) in the Molecular Libraries**
- **Training in Genomics and Hemoglobinopathies**

## **INTERNATIONAL OPPORTUNITIES**

### **International Scholars Program**

The **Society for the History of Technology's** *International Scholars Program* was created to:

- foster a stronger international community for the study of the history of technology;
- strengthen the society's role as an international society for the history of technology;
- identify and help non-US historians of technology participate in the meetings and governance of the society;
- provide formal recognition for the work of non-US historians of technology so that their respective governments and national academic communities might provide greater support for their society-related activities;
- afford special recognition for younger, non-US scholars as they begin their careers in the history of technology; and
- foster an international network of scholars in the history of technology that will benefit all members of the society.

Deadline: **Apr. 15.**

WEB: <http://shot.jhu.edu/Awards/internat.htm>. *COS Funding Opportunities, February 25, 2005.*

### **East Timor and South Pacific Scholarship Programs**

The **Office of Academic Programs of the Bureau of Educational and Cultural Affairs** announces an open competition to administer the *United States-East Timor (USET) Scholarship Program* and the *United States-South Pacific (USSP) Scholarship Program*. Eligible applicants may submit a proposal to administer one or both of the scholarship programs. The program solicits proposals to organize and carry out academic exchange program activities for students from East Timor and the sovereign island nations of the South Pacific. The grantee(s) will be responsible for all aspects of the programs, including publicity and recruitment of applicants; merit-based competitive selection; placement of students at an accredited US academic institution; student travel to the US; orientation; up to four years of US degree study at the bachelor's or master's level; enrichment programming; advising, monitoring and support; pre-return activities; evaluation; and follow-up with program alumni. Deadline: **Apr. 15.**

WEB: <http://fedgrants.gov/Applicants/State/ECA/IIP-EX-EM/ECA-A-E-EAP-05-01/listing.html>. *FedGrants, March 1, 2005.*

Also see these listings:

- **Middle East Partnership Initiative (MEPI) U.S. Business Internship Program for Young Middle Eastern Women**

## **MULTIDISCIPLINARY**

### **NASA Infrared Telescope Facility**

NASA is accepting proposals for observing time on the *NASA Infrared Telescope* for the August 1, 2005 through the January 31, 2006 semester. Remote observing from Hilo, Hale Pohaku, or your own office is available with SpeX, NSFCAM2 and CSHELL. If you wish to observe from your home institution, you MUST comply with the requirements for video conferencing and instrument operation provided on the Remote Observers Information page [http://irtfweb.ifa.hawaii.edu/userSupport/remote\\_obs/](http://irtfweb.ifa.hawaii.edu/userSupport/remote_obs/). New users of SpeX, NSFCAM2 and CSHELL should plan to observe from the summit for their first run to work with their support astronomer and become familiar with the instrument operation. Observers already familiar with the instrument and who want to observe remotely from their home institution are strongly encouraged to contact Miranda Hawarden-Ogata ([hawarden@duke.ifa.hawaii.edu](mailto:hawarden@duke.ifa.hawaii.edu)) to set up a test of the video link and user interface at least one month prior to their observing run. Deadline: **Apr. 1.**

WEB: <http://irtfweb.ifa.hawaii.edu/userSupport/indexota.html>.

### **Women's Educational Equity Act Program**

The **Department of Education** invites applications for the *Women's Educational Equity Act Program*. The purpose of the program is:

- to promote gender equity in education in the United States;
- to provide financial assistance to enable educational agencies and institutions to meet the requirements of title IX of the Educational Amendments of 1972; and
- to promote equity in education for women and girls who suffer from multiple forms of discrimination based on sex, race, ethnic origin, limited English proficiency, disability, or age.

Deadlines: **Apr. 1** (Notice of Intent), **Apr. 18.** (Application).

WEB: <http://fedgrants.gov/Applicants/ED/HRO/DCMGC/ED-GRANTS-030205-001/listing.html>. *FedGrants, March 2, 2005.*

### **Demonstration Projects to Ensure Students with Disabilities Receive a Quality Higher Education**

The **Department of Education** invites applications for *Demonstration Projects to Ensure Students with Disabilities Receive a Quality Higher Education*. The program provides grants to institutions of higher education (IHEs) to develop innovative demonstration projects. The purpose of the demonstration program is to provide technical assistance and professional development for faculty and administrators of IHEs in order to provide them with the skills and supports that they need to teach students with disabilities. IHEs funded under this program also will widely disseminate research and training to enable faculty and administrators in other IHEs to meet the educational needs of students with disabilities. Deadline: **Apr. 18.**

WEB: <http://fedgrants.gov/Applicants/ED/HRO/DCMGC/ED-GRANTS-022805-002/listing.html>. *FedGrants, February 28, 2005.*

### **Advanced Learning Technologies**

The **National Science Foundation** (CISE and EHR Directorates) invites proposals for the *Advanced Learning Technologies* (ALT) program. The purpose of the program is to support research that:

- enables radical improvements in learning through innovative computer and information technologies, and
- advances research in computer science, information technology, learning, and cognitive science through the unique challenges posed by learning environments and learning technology platforms.

Integrative research approaches that build across disciplines and establish tight linkages among theory, experiment, and design are strongly encouraged. Technology goals may include systems for tutoring or assessment, modeling and sensing of cognitive or emotional states, context awareness, natural language interfaces, collaboration, knowledge management, and non-traditional goals that redefine the roles of technology in learning. Educational foci for ALT projects must include an area of science, technology, engineering, or mathematics (STEM), or general cross-cutting skills directly relevant to STEM. Deadline: **May. 26**.

WEB: <http://fedgrants.gov/Applicants/NSF/OIRM/HQ/05-561/listing.html>. *FedGrants, March 1, 2005*.

### **Next Generation Cybertools**

The **National Science Foundation** invites applications for the *Next Generation Cybertools* program. This solicitation invites proposals for "information infrastructure test beds", each of which would include the development of the next generation of cybertools applied to data from various sources collected in two areas of research fundamental to social and behavioral scientists: organizations and individuals. The tools that are developed on these platforms must not only change the ways in which social and behavioral scientists research the behavior of organizations and individuals, but also serve sciences more broadly. It is envisioned that proposals for the "organization information test bed" will address three specific components:

- the development of tools that facilitate the integration of qualitative and quantitative information from heterogeneous sources, multiple media, and/or multiple modes;
- investment in basic research that addresses the protection of the confidentiality of respondents in computerized, widely accessible databases; and
- the development of incentives, standards and policies for collecting, storing, archiving, accessing, and publishing research results using organization-relevant information.

It is envisioned that proposals for the "individual information test bed" should concern cybertools that can be applied to both large scale and distributed data sets. Proposals should address cybertools that facilitate automatic collection, integration, annotation, archiving, accessing, and analyzing of existing distributed data sets and/or extensive audio and video recordings and details of physical artifacts, while paying special attention to the protection of the confidentiality of participant identity in widely accessible, computerized databases. Deadline: **May. 30**.

WEB: <http://fedgrants.gov/Applicants/NSF/OIRM/HQ/05-563/listing.html>. *FedGrants, March 1, 2005*.

### **Von Hippel Award in Material Research**

The *Von Hippel Award*, the **Materials Research Society's** highest honor, recognizes those qualities most prized by materials scientists and engineers, which are brilliance and originality of intellect, combined with vision that transcends the boundaries of conventional scientific disciplines. The award bears the name of its inaugural recipient, whose interdisciplinary and pioneering research typified the spirit of the award. Nominations of candidates from all areas of materials research are encouraged. Deadline: **Jun. 1**.

INQUIRIES: John B. Balance, 724/779-8313; WEB: <http://www.mrs.org/awards/VonHip.html>. *COS Funding Opportunities, February 23, 2005*.

### **Career Development Award**

The **American Diabetes Association** invites applications for the *Career Development Award*. Career Development Awards support investigators who are establishing their independence and are poised to make significant contributions to diabetes research. Deadlines: **Jul. 15, 2005; Jan. 15, 2006**.

WEB: <http://www.diabetes.org/diabetes-research/research-grant-application-forms/development-awards.jsp#career>. *COS Funding Opportunities, February 24, 2005*.

### **Lung Response to Inhaled Highly Toxic Chemicals**

The **Department of Health and Human Services** invites applications for the *Lung Response to Inhaled Highly Toxic Chemicals* program. The primary objective of this program is to encourage research about how the upper respiratory tract and lungs respond to acute exposure to highly toxic chemicals and subsequent inhalation, so that preventive strategies can be improved, antidotes devised to lessen initial irritation of mucosal surfaces, mucosal absorption minimized, and acute lung injury causing pulmonary edema counteracted. This program encourages innovative, multidisciplinary basic and clinical research of the respiratory tract with the goal of accelerating progress in the diagnosis, prevention, and treatment of toxic inhalation from chemical exposures. Deadline: **Multiple Receipt Dates**

(<http://grants.nih.gov/grants/funding/submissionschedule.htm>).

WEB: <http://fedgrants.gov/Applicants/HHS/NIH/NIH/PA-05-058/listing.html>. *FedGrants*, February 28, 2005.

### **In Utero Exposure to Bioactive Food Components and Mammary Cancer Risk**

The **Department of Health and Human Services** invites applications for the *In Utero Exposure to Bioactive Food Components and Mammary Cancer Risk* program. The purpose of this initiative is to invite innovative applications that promote research that will enhance the understanding of the relationship between exposures to bioactive food components and/or environmental chemicals in utero, hormonal and growth factor response, gene expression or epigenetic changes and subsequent mammary cancer risk in preclinical models. Although much evidence suggests that dietary components are linked to cancer prevention, the specific nutrients, sites of action, and role of exposure in utero remain elusive. Similarly there are data suggesting a role for environmental agents such as mycotoxins, heterocyclic amines, and environmental chemicals with endocrine activity in the etiology of mammary cancer but the doses, windows of susceptibility and mechanisms are unclear. This funding opportunity encourages applications that apply new high-throughput genomic, epigenomic, proteomic, and metabolomic technologies to determine how dietary exposures in utero influence adult breast cancer susceptibility. The resulting information will help define effective maternal dietary intervention strategies for breast cancer prevention in her offspring. Deadline: **Multiple Receipt Dates**

(<http://grants.nih.gov/grants/funding/submissionschedule.htm>).

WEB: <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PA-05-059/listing.html>. *FedGrants*, March 1, 2005.

### **Solicitation of Assays for High Throughput Screening (HTS) in the Molecular Libraries Screening Centers Network**

The **Department of Health and Human Services** requests applications for the *Molecular Libraries Screening Centers Network* (MLSCN). The centers will be a national resource capable of providing automated high throughput screening (HTS) facilities, diverse compound libraries, and HTS for the identification of small molecules (compounds) that are active in diverse biological assays, as well as synthetic chemistry to improve the biological utility of these molecules as bioactive probes for in vitro, and potentially in vivo, studies of normal and abnormal physiology of cells, organs, model systems, and/or organisms. Compound structures, screening data, and assay protocols generated by the MLSCN will be placed into a recently established public database (PubChem). Information about MLSCN compounds will be made available to all researchers, who will be free to adopt them in biological and biomedical research studies. Deadline: **Mar. 16, 2005, Aug. 16, 2005, Dec. 21, 2005, and Apr. 20, 2006** (letters of intent); **Apr. 13, 2005, Sep. 14, 2005, Jan. 18, 2006, and Aug./Sep. 2006** (applications).

WEB: <http://fedgrants.gov/Applicants/HHS/NIH/NIH/PAR-05-060/listing.html>. *FedGrants*, March 1, 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:

- Program Leadership,
- Curriculum and Educational Resources,
- Faculty,
- Graduate Students,
- Program Administration, and
- 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. **Deadline: June 15 (Phase I deadline).**

WEB: <http://grants.nih.gov/grants/guide/notice-files/NOT-EB-05-002.html>.

### **Research in support of the Directed Energy Bioeffects Division of the Human Effectiveness Directorate**

The **Air Force Research Laboratory's Human Effectiveness Directorate** is soliciting white papers to conduct innovative research on the effects of directed energy technologies and Non-Lethal Weapons (NLW) on human and animals. Deadlines: **BAA is open and effective until Sep. 30, 2009.**

WEB: <http://fedgrants.gov/Applicants/USAF/AFRL/Wright/BAA-05-05-HE/listing.html>.  
*FedGrants, March 2, 2005.*

Also see these listings:

- **Continued Development and Maintenance of Software**
- **Emergency Medical Services for Children: Network Development Demonstration Project**
- **Regional Centers for the National Institute for Climatic Change Research**

## **PHYSICAL SCIENCES & ENGINEERING**

### **NIST, Center for Neutron Research Financial Assistance Program**

The **Department of Commerce** invites applications for the *NIST, Center for Neutron Research Financial Assistance Program*. The primary program objectives of the financial assistance program are to develop new areas of neutron instrumentation with emphasis on cold neutrons; to explore and develop new areas of neutron scattering science, with emphasis on macromolecular science, condensed matter physics, and chemistry; to assist and train facility users in their research; and to conduct other outreach and educational activities that advance the

use of neutrons by US university and industrial scientists. Examples of jointly-pursued activities under previous cooperative agreements include the integration of expert university research and technical staff to assist neutron users at the Center for Neutron Research in conducting their scientific research on various cold neutron instruments, the design and development of a state-of-the-art double-focusing neutron monochromator for use on the Multi-Analyzer Crystal Spectrometer, studies of advanced applications of neutron residual stress methods, the design and development of a neutron phase space transformation chopper for use on the High-Flux Backscattering Spectrometer, and computer modeling studies of neutron scattering measurements from biomolecular systems. Deadlines: **Apr. 1.**

WEB: <http://fedgrants.gov/Applicants/DOC/NIST/GAMD/2005-NCNR-01/listing.html>.  
*FedGrants, March 1, 2005.*

### **Network Attack Traceback**

The **Air Force Research Laboratory**, in conjunction with the **Advanced Research and Development Activity**, is soliciting white papers for various scientific studies and experiments to increase our knowledge and understanding of the broad range of capabilities required in support of the *Network Attack Traceback* program, to include beta testing of prototype capabilities. Solutions to basic and applied research and engineering traceback problems using innovative approaches are sought. This includes high-risk, high-payoff capabilities for non-cooperative and/or hostile network environments. The scope of this effort concerns the development of various tools and techniques that provide capabilities, which will increase our knowledge of the true source of a network attack, ideally to the originating host, using solely technical means. We are particularly interested in tracing attacks that would compromise the confidentiality and integrity of information on Intelligence Community networks. Deadlines: **Apr. 5, 2005, Mar. 6, 2006, Mar. 1, 2007, Oct. 15, 2005** (White Papers).

WEB: <http://www.fedgrants.gov/Applicants/USAF/IFKC/AMB/BAA-05-04-IFKA/listing.html>.

### **Linear Photonic RF Front-End Technology**

The **Defense Advanced Research Projects Agency** is soliciting innovative research proposals in the area of linear photonic radio frequency front-ends supporting the need for extremely high dynamic range microwave receivers. Proposed research should investigate innovative microwave photonic transmission approaches that enable revolutionary advances in science, devices or systems. Specifically excluded is research that primarily results in evolutionary improvement to the existing state of practice. Deadline: **Apr. 29.**

WEB: <http://fedgrants.gov/Applicants/DOD/DARPA/CMO/BAA05-20/listing.html>.  
*FedGrants, February 25, 2005.*

### **Special Grant Program in the Chemical Sciences**

The **Camille and Henry Dreyfus Special Grant Program in the Chemical Sciences** offers support to eligible institutions for innovative projects. The program is intended to strengthen chemistry teaching and research, with the expectation that awardees will find continuing funding from other sources. However, proposals are invited in any area consistent with the foundation's basic objectives in the chemical sciences and not covered by other foundation programs. Past areas of support include development of curricular and instructional materials, including new media; institutional enhancement of education and research; public understanding of the role of chemistry in society, and encouragement of high school students and teachers. Deadline: **Jun. 2.**

WEB: <http://www.dreyfus.org/sg.shtml>. *COS Funding Opportunities, February 25, 2005.*

### **Graduate Student and Optical Instrumentation Support Related to the Advanced Modular Incoherent Scatter Radar**

The **National Science Foundation** invites applications for the *Graduate Student and Optical*

*Instrumentation Support Related to the Advanced Modular Incoherent Scatter Radar (AMISR)* program. This solicitation is to provide funding for graduate students and optical instrumentation in support of the AMISR systems at Poker Flat and Resolute Bay. The graduate student activity entails support for scientists at academic institutions to pay graduate student costs for three years, plus no more than one month of the graduate student advisor's salary support for each of three years. Optical instrumentation support is for acquisition, design, development, and deployment of instruments at one of the two AMISR sites, or at a nearby site as appropriate. Deadline: **Jun. 3**.

WEB: <http://fedgrants.gov/Applicants/NSF/OIRM/HQ/05-564/listing.html>. *FedGrants*, March 1, 2005.

### **Broadening Participation in Computing**

The **National Science Foundation** invites applications for the *Broadening Participation in Computing* program. The program aims to significantly increase the number of students who are US citizens and permanent residents receiving post secondary degrees in the computing disciplines. Initially, its emphasis will be on students from communities with longstanding under representation in computing: women, persons with disabilities, and minorities. Included minorities are African Americans, Hispanics, American Indians, Alaska Natives, Native Hawaiians, and Pacific Islanders. The program seeks to engage the computing community in developing and implementing innovative methods to improve recruitment and retention of these students at the undergraduate and graduate levels. Because the lack of role models in the professoriate can be a barrier to participation, the program also aims to develop effective strategies for identifying and supporting members of the targeted groups who want to pursue academic careers in computing. There are three components to the program:

- Broad Alliances of institutions and organizations will design and carry out comprehensive programs that address under representation in the computing disciplines.
- Alliances will join academic institutions of higher learning with secondary schools, government, industry, professional societies, and other not-for-profit organizations.
- Together, the participants will develop and implement interventions that support students, create sustainable changes in culture and practices at the institutional, departmental, and organizational levels, and serve as models and repositories for effective practices to broaden participation.

Deadline: **Jun. 14**.

WEB: <http://fedgrants.gov/Applicants/NSF/OIRM/HQ/05-562/listing.html>. *FedGrants*, March 1, 2005.

### **Continued Development and Maintenance of Software**

The **Department of Health and Human Services** invites applications for *Continued Development and Maintenance of Software*. The goal of this program is to support the continued development, maintenance, testing and evaluation of existing software. The proposed work should apply best practices and proven methods for software design, construction, and implementation to extend the applicability of existing biomedical informatics/computational biology software to a broader biomedical research community. Deadline: **May 17, Sep. 13, 2005, Sep. 13, 2006, Sep. 13, 2007**.

WEB: <http://fedgrants.gov/Applicants/HHS/NIH/NIH/PAR-05-057/listing.html>. *FedGrants*, February 25, 2005.

### **Very High Efficiency Solar Cell**

The **Defense Advanced Research Projects Agency's Advanced Technology Office**, in collaboration with the **Defense Sciences Office**, is soliciting proposals for the *Very High Efficiency Solar Cell* program. The objective of the program is to demonstrate at least fifty percent efficiency in a photovoltaic device. Recent developments drawing on the use of

engineered biomolecules to guide the assembly of inorganic materials offer the potential of a new process path for fabricating nanoscale, inorganic, three-dimensional meta-structures with dimensional and assembly control not achievable with current technologies. Combined, these independent advances suggest the potential for manufacturing a new type of high-efficiency, advanced photovoltaic solar power source. Deadline: **Feb. 24, 2006**.

WEB: <http://fedgrants.gov/Applicants/DOD/DARPA/CMO/BAA05-21/listing.html>.  
*FedGrants, February 25, 2005.*

### **Learning Locomotion**

The **Department of Defense** invites applications for *Learning Locomotion*. The Information Processing Technology Office of the Defense Advanced Research Projects Agency is soliciting proposals for a two-phase program. The program will develop and demonstrate new algorithms that learn how to locomote based on the experience of a legged platform confronting extreme terrain. The goal of the program is to develop a new generation of learning algorithms that enable traversal of large, irregular obstacles by unmanned vehicles. Deadline: **Mar. 1, 2006**.

WEB: <http://fedgrants.gov/Applicants/DOD/DARPA/CMO/BAA05-25/listing.html>.  
*FedGrants, March 2, 2005.*

Also see these listings:

- **Advanced Learning Technologies**
- **Genetics and Public Policy Fellowship**
- **In Utero Exposure to Bioactive Food Components and Mammary Cancer Risk**
- **Mathematical, Social, and Behavioral Sciences**
- **NASA Infrared Telescope Facility**
- **Next Generation Cybertools**
- **Research in support of the Directed Energy Bioeffects Division of the Human Effectiveness Directorate**
- **Von Hippel Award in Material Research**

### **POSTDOCTORAL FUNDING**

- **American Diabetes Association** -- *Mentor-Based Postdoctoral Fellowship Program*. Deadline: **Jul. 15**. WEB: <http://www.ors.duke.edu/find/student/pdoc/pdocsci.html#ada>
- **Duke University's Terry Sanford Institute of Public Policy** -- *Fleishman Fellows Program*. Deadline: **May 1**. WEB: <http://www.ors.duke.edu/find/student/pdoc/pdochumsoc.html#fleishman>
- **Society for the History of Technology** -- *Brooke Hindle Postdoctoral Fellowship*. Deadline: **Apr. 15**. WEB: <http://www.ors.duke.edu/find/student/pdoc/pdochumsoc.html#bhffthot>
- **Society for the Psychological Study of Social Issues** -- *Applied Social Issues Internship Program*. Deadline: **May 1**. WEB: <http://www.ors.duke.edu/find/student/pdoc/pdochumsoc.html#spssi>
- **United States Army Medical Research and Materiel Command** -- *Breast Cancer Research Program Multi-disciplinary Postdoctoral Award*. Deadline: **May 24**. WEB: <http://www.ors.duke.edu/find/student/pdoc/pdocsci.html#bcrp>

### **SOCIAL SCIENCES**

### **Outstanding Service Award**

The **National Council for the Social Studies'** (NCSS) *Outstanding Service Award* is given annually to recognize members for outstanding long-term service to NCSS and local, state, and regional councils. Nominees must have demonstrated exceptional service to the social studies profession, especially in the state, regional, or local councils, over a significant period of time, in at least five of the following categories:

- Work on standing, ad hoc, or other committees;
- Distinguished performance as local or state council officer;
- Planning, organizing, and conducting council's NCSS annual conference or other social studies regional, state, and local meetings;
- Editing journals, newsletters, or other publications;
- Advocating or defending social studies in public arenas outside the immediate social studies community; and
- Creating, organizing, or conducting social studies activities, fairs, or other programs.

Deadline: **Mar. 21.**

WEB: <http://www.socialstudies.org/awards/outstandingservice/>. *COS Funding Opportunities, February 21, 2005.*

### **Mathematical, Social, and Behavioral Sciences**

The **National Science Foundation** requests proposals for the *Mathematical, Social, and Behavioral Sciences* program. Research proposals are invited for projects that advance the mathematical or statistical foundations of research in the social, behavioral, or economic sciences. The resulting research is expected both to further understanding of social or behavioral science phenomena and to address a topic of interest to the mathematical sciences. Proposals for workshops or symposia that foster the interaction of social, behavioral, or economic scientists with mathematicians or statisticians also are welcome. Deadline: **Apr. 5.**

WEB: <http://www.nsf.gov/pubsys/ods/getpub.cfm?nsf05542>.

### **Public Awareness in Underserved Communities**

The **Department of Justice** invites applications for the *Public Awareness in Underserved Communities* program. The purpose of the program is to support the planning and development of victimization-focused public awareness campaigns designed to reach populations in the local community who are typically underserved due to recent immigrant status or limited English proficiency. Victim service organizations will work in partnership with ethnic media (radio, print, television) as well as faith- and/or community-based organizations to produce linguistically and culturally appropriate public awareness campaigns on one or more victimization issues. Applications are invited from non-profit organizations, including faith- and community-based organizations, and public agencies that can demonstrate knowledge and understanding of the victimization issue or issues to be highlighted in the public awareness campaign as well as experience in the provision of victim services and advocacy. Deadline: **Apr. 14.**

WEB: <http://fedgrants.gov/Applicants/DOJ/HQ/OJP/DOJ-GRANTS-030205-001/listing.html>. *FedGrants, March 2, 2005.*

### **Social Work Excellence Fellowship**

The **National Hemophilia Foundation** invites applications for the *Social Work Excellence Fellowship*. The fellowship funds a social worker interested in bleeding disorders care for conducting psychosocial research or a clinical project of relevance and benefit to providers and consumers in the bleeding disorders community. The proposed project must have relevance to current practice in bleeding disorder care and may incorporate casework, group work, organizational and public health, education, and research perspectives. Focus upon cultural

diversity is welcomed. Areas of interest might include the following topics:

- Impact of social work practice on coping with chronic illness or disability;
- Impact of case management on patient care;
- Improved clinical practice;
- Research skills and goals for psychosocial providers;
- Mental health issues of those affected with bleeding disorders or bleeding disorders and HIV; or
- Development and use of media projects or learning tools for professional or patient evaluation.

Deadline: **Apr. 30.**

WEB: <http://www.hemophilia.org/research/socialwork.htm>. *COS Funding Opportunities, February 21, 2005.*

### **Foundation for the Future Research Grants**

The **Foundation for the Future** solicits proposals for their *Research Grants* program. The program provides financial support to scholars undertaking research that is directly related to a better understanding of the factors affecting the quality of life for the long-term future of humanity. The foundation invites applications in one or more of the following categories:

- Future of Humanity Research Programs
- International Collaboration on the Future of Humanity

Deadline: **Apr. 30** and **Oct. 31.**

WEB: [http://www.futurefoundation.org/grants/grant\\_proposal.html](http://www.futurefoundation.org/grants/grant_proposal.html). *COS, June 22, 2004.*

### **Matsushita Research Grant**

The **Matsushita International Foundation** requests proposals for their *Research Grants* program. The objective of the program is to contribute to the development of world culture and peace by promoting mutual understanding between Japan and other countries and by developing personnel capable of promoting this understanding. To achieve this goal, the foundation provides funds for research activities in the areas of humanities and social sciences that pertain to establishing international relationships based on global perspectives, solving various issues existing between Japan and other countries, or proposing various measures to promote mutual understanding. The foundation expects challenging themes by young researchers that are creative and filled with pioneering ideas as well as international joint research, on issues of social, academic, and international needs in the broad area applicable to the above mentioned objective.

Deadline: **May 21.**

WEB: <http://panasonic.co.jp/ccd/mif-e.htm>. *COS, April 13, 2004.*

### **Behavioral Science Track Award for Rapid Transition**

The **National Institutes on Drug Abuse** (NIDA) invites proposals for the *Behavioral Science Track Award for Rapid Transition* program. The purpose of the program is to facilitate the entry of beginning investigators into the field of behavioral science research. NIDA invites newly independent investigators to submit applications for small-scale, exploratory, or pilot research projects related to NIDA's behavioral sciences mission. Deadlines: **June 1, Oct. 1, and Feb. 1.**

WEB: <http://grants.nih.gov/grants/guide/pa-files/PAR-03-146.html>. *COS, June 22, 2004.*

### **Research on Youth Development**

The **William T. Grant Foundation** solicits applications for the *Scholars Program for Research on Youth Development*. The Scholars Program supports, over a five-year period, promising early career researchers from diverse disciplines whose studies will deepen and broaden the knowledge base on how to make a difference in the lives of young people. Priority

research areas focus on the effects of contexts on youth development; improving the systems, organizations, and programs affecting young people; and adults' use of scientific evidence and their views of youth. The foundation focuses on young people ages 8 to 25. Deadline: **Jul. 1.**

WEB: [http://www.wtgrantfoundation.org/info-url\\_nocat3042/info-url\\_nocat\\_list.htm?attrib\\_id=4398](http://www.wtgrantfoundation.org/info-url_nocat3042/info-url_nocat_list.htm?attrib_id=4398). *Foundation Center's RFP Bulletin, February 25, 2005.*

Also see these listings:

- **Leadership, Management and Sustainability**
- **National Training and Technical Assistance Center for Child and Adolescent Mental Health Cooperative Agreement**
- **Next Generation Cybertools**
- **Women's Educational Equity Act Program**

## **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:

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