

## Funding Opportunities Bulletin December 2007

This random compilation of funding opportunities is provided by KUCR Proposal Services as a resource for Kansas University Researchers. We encourage you to utilize the campus subscription to *Community of Science (COS)* to find funding opportunities specifically tailored to your research area based on keywords you provide. *COS* is easy to use and offers other valuable services that are helpful to researchers. Access is available at this site: <http://www.cos.com/> If questions regarding *COS*, please contact Alicia Reed at [amreed@ku.edu](mailto:amreed@ku.edu) or 864-7771, or Dan Coonfield at [dcoonfie@ku.edu](mailto:dcoonfie@ku.edu) or 864-7404.

Click on the links below to go directly to the named section

[BUSINESS](#)

[EDUCATION](#)

[ENGINEERING & COMPUTER SCIENCE](#)

[FINE ARTS](#)

[HUMANITIES](#)

[INTERNATIONAL AREA STUDIES](#)

[MEDICINE & LIFE SCIENCES](#)

[PHYSICAL SCIENCES & MATHEMATICS](#)

[SOCIAL SCIENCES](#)

[MULTIPLE DISCIPLINES](#)

### **BUSINESS**

See also opportunities listed under MULTIPLE DISCIPLINES

### **Research and Development Program**

Chartered Institute of Management Accountants (CIMA)

**Deadline: Continuous**

CIMA is a global body which represents members and supports the wider financial management and business community. Its key activities relate to business strategy, information strategy and financial strategy. Its focus is to qualify students, to support both members and employers and to protect the public interest.

CIMA's global research and development activities include, but are not limited to sponsoring:

- self nominated (ad hoc) research project funding
- calls for research projects into specific areas (initiatives)
- directed research (a direct invitation to a specific researcher for proposals on a given topic)
- conferences, workshops and seminars
- a program of lectures by visiting professors
- CIMA Professors.

Applications for sponsorship can be made at any time during the year on an ad hoc basis or in direct response to calls for papers under research initiatives.

For more information: <http://www.cimaglobal.com/cps/rde/xchg/SID-0AAAC564-500AADC2/live/root.xsl/1551.htm>

## **Internal Auditing Research**

Institute of Internal Auditors Research Foundation (IIARF)

**Deadline: Continuous**

The Institute of Internal Auditors Research Foundation (IIARF) is the global leader in developing, sponsoring, disseminating and promoting research, knowledge and learning resources to foster the recognition and effectiveness of internal auditing and thereby improve governance of organizations.

In order to serve the ongoing and expanding needs of the internal auditing profession, in both public and private sectors, The IIA Research Foundation encourages, supports, and funds projects that encourage discovery, integration, and application oriented research along the broad areas including

- Audit Committee / Governance
- Audit Management / Practice
- Certification
- Ethics / Fraud / Law
- Government
- Guidance / Standards / Reference
- Risk / Control
- SOX
- Specialty Areas (Examples: Financial Services, Gaming, etc.)
- Technology

For more information: <http://www.theiia.org/research/research-reports/chronological-listing-research-reports/downloadable-research-reports/?i=275>

## **Gordon Cain Fellowship in Technology, Policy, and Entrepreneurship**

Chemical Heritage Foundation--Arnold and Mabel Beckman Center

**Deadline: January 15, 2008**

The Chemical Heritage Foundation (CHF) invites applications for the Gordon Cain Fellowship in Technology, Policy, and Entrepreneurship. The Gordon Cain fellow will spend the year in residence at CHF and will carry out historical research on the development of the chemical industries. The outcome of this research should further our understanding of the relationship between science, technology, policy, and entrepreneurship and shed light on the complex development of modern society and commerce. At the beginning of the fellowship year, the Cain Fellow and CHF will convene a committee of leading academics to discuss the historical territory around policy, technology, and entrepreneurship, providing counsel and feedback to both the fellow and to CHF.

For more information: <http://www.chemheritage.org/research/research-nav1-cain.html>

## **EDUCATION**

See also opportunities listed under MULTIPLE DISCIPLINES

### **Research Grants Program**

American Educational Research Association (AERA)

**Deadline: January 4, 2008;** February 22, 2008

With support from the National Science Foundation (NSF) and the National Center for Education Statistics (NCES) of the Institute of Education Sciences, the American Educational Research Association (AERA) Grants Program announces its Research Grants Program. The program's goals are (1) to stimulate research on issues related to U.S. education policy and practice using NCES and NSF data sets; (2) to improve the educational research community's first-hand knowledge of the range of data available at the two agencies and how to use them; and (3) to increase the number of educational researchers using the data sets. AERA invites researchers having the doctorate to submit education policy- and practice-related research proposals using NCES, NSF, and other national data bases. Awards for Research Grants are up to \$20,000 for one-year projects, or up to \$35,000 for two-year projects.

For more information: [http://www.aera.net/grantsprogram/res\\_training/res\\_grants/RGFly.html](http://www.aera.net/grantsprogram/res_training/res_grants/RGFly.html)

### **Dissertation Fellowship Program**

Association for Institutional Research (AIR); AIR/IES-NCES/NSF/NPEC Grant Program - Improving Institutional Research in Postsecondary Education Institutions

**Deadline: January 16, 2008**

The Association for Institutional Research (AIR), with support from the Institute of Education Sciences and National Center for Education Statistics (IES-NCES), the National Science Foundation (NSF), and the National Postsecondary Education Cooperative (NPEC), sponsors a grant program titled: Improving Institutional Research in Postsecondary Educational Institutions. The goals of the program are to provide professional development opportunities to doctoral students, institutional researchers, educators and administrators, and to foster the use of the federal databases for institutional research in postsecondary education.

The Dissertation Fellowship Program component of the AIR/IES-NCES/NSF/NPEC Grant Program provides funds to doctoral students beginning their dissertation. The program supports research on postsecondary education using the IES-NCES and NSF national databases or research studies that increase the understanding and knowledge of student decisions in postsecondary education. Funded fellowship projects promise a significant contribution to the national knowledge of the nature and operation of postsecondary education. Projects must use one or more of the national postsecondary education databases of IES-NCES or NSF or focus on the area of student decisions, broadly defined, or both, at all levels of postsecondary education.

For more information: <http://www.airweb.org/?page=818>

## **Education Grants**

Kauffman Fund for Kansas City

**Deadline: January 31, 2008; April 30, 2008**

The Kauffman Fund believes that learning is a life-long endeavor and is vital to the success of individuals and the community in which they live. The Kauffman Fund will consider requests that support and encourage the formal education of children and adult education programs, including those that provide supportive services to help individuals to attain educational goals. The goal of existing program grants is to provide support for evidence-based programs in the stated areas of interest.

For more information: <http://www.kauffmanfund.org/guidelines.cfm>

## **ENGINEERING & COMPUTER SCIENCE**

See also opportunities listed under MULTIPLE DISCIPLINES

### **Sustainable Digital Data Preservation and Access Network Partners (DataNet) - NSF 07-601**

National Science Foundation (NSF); Office of Cyberinfrastructure (OCI)

**Deadline: Required preliminary proposal: January 7, 2008;**

**Full proposals: March 21, 2008**

Science and engineering research and education are increasingly digital and increasingly data-intensive. Digital data are not only the output of research but provide input to new hypotheses, enabling new scientific insights and driving innovation. NSF has observed that one of the major challenges of this scientific generation is: "how to develop the new methods, management structures and technologies to manage the diversity, size, and complexity of current and future data sets and data streams."

This solicitation addresses that challenge by creating a set of exemplar national and global data research infrastructure organizations (dubbed DataNet Partners) that provide unique opportunities to communities of researchers to advance science and/or engineering research and learning.

The new types of organizations envisioned in this solicitation will integrate library and archival sciences, cyberinfrastructure, computer and information sciences, and domain science expertise to:

- provide reliable digital preservation, access, integration, and analysis capabilities for science and/or engineering data over a decades-long timeline;
- continuously anticipate and adapt to changes in technologies and in user needs and expectations;

- engage at the frontiers of computer and information science and cyberinfrastructure with research and development to drive the leading edge forward; and
- serve as component elements of an interoperable data preservation and access network.

For more information: <http://www.nsf.gov/pubs/2007/nsf07601/nsf07601.htm>

### **CELL-ALL Ubiquitous Biological and Chemical Sensing**

United States Department of Homeland Security (DHS); Homeland Security Advanced Research Projects Agency (HSARPA)

**Deadline: January 14, 2008**

Through this BAA, HSARPA is seeking to accelerate advances in miniaturized biological and chemical sensing (e.g. laboratories on a chip) with integration into common devices and a communication systems concept for large scale multi-sensor networks. This proof of concept should be capable of detecting hazardous biological and/or chemical materials with eventual expansion to the detection of explosive and eventually radiological materials (in future collaborations with other organizations). In the first year, proposed work should lead to a minimum of a relevant laboratory demonstration of a proof of concept sensor, device and communications system for Cell-All. Optional second year work may be proposed to build upon success in year one and may include additional field experiments and characterizations.

For more information: <http://fedbizopps.cos.com/cgi-bin/getRec?id=20071031a2>

### **Solid State Energy Conversion Alliance (SECA) Core Technology Program**

United States Department of Energy (DOE); National Energy Technology Laboratory (NETL)

**Deadline: January 15, 2008**

The Department of Energy (DOE) National Energy Technology Laboratory (NETL) is seeking applications for the funding opportunity announcement entitled, "Solid State Energy Conversion Alliance (SECA) Core Technology and Innovative Concepts." The purpose of this announcement is to develop science and technologies that address specific technical challenges and barriers faced by the SECA Industry Teams in the Cost Reduction and Coal Based Systems program.

DOE formed SECA in 2000 with a goal of producing a solid-state fuel cell module that would cost no more than \$400 per kilowatt. SECA is an alliance between government, industry, and the scientific community that strive to capitalize on the advantages of fuel cell technology and develop fuel cells that will be sold in virtually every market needing clean and affordable electric power. The key to the ambitious cost reductions is the development of fuel cell system modules that can be mass-produced using advanced manufacturing processes. These modules could be clustered into a variety of arrangements to supply stationary power for both central and distributed power generation schemes.

The Alliance is comprised of three groups: Industry Teams, Core Technology program participants, and federal government management. The Industry Teams design the fuel cells and handle most of the hardware and market penetration issues. The Core Technology program is made up of universities, national laboratories, small businesses, and other R&D organizations and addresses basic R&D and technological issues critical to the rapid commercialization of SOFC. The federal government management facilitates interaction between Industry Teams and the Core Technology program as well as establishes technical priorities and approaches.

This SECA Core Technology and Innovative Concepts announcement focuses on the following specific areas of interest:

Area of Interest 1: Theory, Investigation and Stability of Cathode Electrocatalytic Activity

Area of Interest 2: Performance Degradation of Lanthanum Strontium Cobalt Ferrite (LSCF) Cathodes

Area of Interest 3: Novel Fuel Cells for Coal-Based Systems

Area of Interest 4: Sealing Systems Based on Viscous Glass

Applications may only be submitted to one of the areas of interest.

For more information: <http://e-center.doe.gov/iips/faopor.nsf/8373d2fc6d83b66685256452007963f5/c6b3272bfe33133d8525733d00526bd3?OpenDocument>

## **FINE ARTS**

### **Winterthur Research Fellowships**

Winterthur Museum, Garden and Library; Research Fellowship Program

**Deadline: January 15, 2008**

One to three month short term fellowships for academic, museum, and independent scholars, including graduate students. Fellows receive a stipend of \$1500 per month. Applicants need not apply for a specific named fellowship, but we do designate certain awards as:

- Faith Andrews Fellowships for the study of Shaker life and material culture
- Robert Lee Gill Fellowships for research on American decorative arts, painting, architecture, or historic preservation
- Dwight P. Lanmon Fellowships for the study of glass and ceramics
- Neville McD. Thompson Fellowships for the study of domestic life, late 19th- and early 20th-century design and material culture

For more information: [http://www.winterthur.org/research/fellowship.asp?sub=to\\_apply](http://www.winterthur.org/research/fellowship.asp?sub=to_apply)

### **Graphic Design Internship**

Henninger Media Services

**Deadline: January 5, 2008;** May 15, 2008

Henninger Media Services seeks a graphic design intern. This position will be filled by a creative, motivated, willing and energetic student from a variety of majors who lends his or her time - a minimum of 16 hours per week - and effort in exchange for an engaging, fulfilling, educational, and rewarding experience.

For more information: <http://www.henninger.com/jobs/index.nclk#internships>

### **Creative Connections**

Metropolitan Life (MetLife) Foundation

**Deadline: January 7, 2008;** April 1, 2008; June 1, 2008

MetLife Creative Connections provides support for American composers to participate in public activities related to specific performances of their original music. By supporting the composer's interaction with audiences, performers, arts organizations, and local communities, MetLife Creative Connections aims to increase public awareness and enhance the creative artist's role in society. The composer must be a U.S. citizen, or must have resided in the United States for at least one year prior to the application deadline.

MetLife Creative Connections applications are submitted by a sponsoring organization requesting support for one or more composers participating in public activities organized, sponsored, or presented by the organization.

For more information:

<http://www.meetthecomposer.org/programs/metlifecreativeconnections.htm>

### **Creative Arts Residencies**

Rockefeller Foundation-Bellagio Study and Conference Center

**Deadline: January 15, 2008**

Bellagio creative arts residencies provide time for disciplined work, individual reflection, and collegial engagement for composers, novelists, playwrights, poets, video/filmmakers, and visual artists.

Meals and informal presentations of work provide an opportunity for residents to engage with each other. During special dinners, residents also have the chance to interact with the participants of international conferences that are hosted in various buildings on the center's property. The combination of private time for work and reflection and informal gatherings is an important part of life at the center.

For more information: [http://www.rockfound.org/bellagio/bel\\_arts.shtml](http://www.rockfound.org/bellagio/bel_arts.shtml)

## **Film and Fiction Scholarship Competition**

George Mason University-Institute for Humane Studies (IHS)

**Deadline: January 15, 2008**

Institute of Humane Studies (IHS) provides support to promising young filmmakers and writers who share an appreciation for the potential and promise of a free society. The IHS Film and Fiction Scholarship awards students who are pursuing a Master of Fine Arts degree in filmmaking, fiction writing, or playwriting; have a demonstrated interest in classical liberal ideas and their application in contemporary society; and demonstrate the desire, motivation, and creative ability necessary to succeed in their chosen profession. Students who are pursuing an M.F.A. degree in filmmaking, fiction writing, or playwriting are eligible.

For more information: <http://www.theihs.org/scholarships/id.783/default.asp>

## **HUMANITIES**

See also opportunities listed under MULTIPLE DISCIPLINES

## **Postdoctoral Fellowships in American Religion**

Princeton University; Center for the Study of Religion (CSR)

**Deadline: January 14, 2008**

The Center for the Study of Religion (CSR) brings a limited number of postdoctoral fellows to Princeton University each year in conjunction with its support of pre-tenured scholars studying religion and religious history. The postdoctoral fellows, who are appointed by the dean of the faculty, devote time to servicing the intellectual life of the center and the university through mentoring graduate and undergraduate students and participating in one of the center's weekly interdisciplinary seminar.

For 2007-2008, research fellows will be appointed in two areas:

1) Christian thought and practice: special emphasis on the religious life of American Christians, congregations, or clergy. Fellows should be engaged in projects that focus attention on North American Christianity and may be relevant for congregations or pastoral leaders. Fellows will conduct their own research on historical or contemporary aspects of Christian thought and practice, attend one of the weekly interdisciplinary workshops, and participate in occasional center-sponsored events.

2) Public theology: special emphasis on contemporary issues bridging theology and the social sciences, such as just war theory, pluralism, or social welfare. Fellows will conduct own research, attend a weekly interdisciplinary workshop, and hold meetings as desired with a member of the Princeton faculty who serves as a host and mentor for the year. Eligibility requires some training in theology or equivalent knowledge.

For more information:

[http://www.princeton.edu/%7Ecsr/relig/opportunities/non\\_princeton\\_ops.html](http://www.princeton.edu/%7Ecsr/relig/opportunities/non_princeton_ops.html)

### **Advanced-Mastery Language-Training Grants to Institutions**

American Council of Learned Societies (ACLS); Southeast European Studies Program;  
Language Grants to Institutions for Summer Courses

**Deadline: January 16, 2008**

Pending confirmation of funding, the American Council of Learned Societies (ACLS) will offer grants to institutions for the organization of intensive summer courses in professional skills needed for tasks such as reading in specialized disciplinary fields, translation of texts, interpretation of speech, copy editing, and editing. Courses should be designed for those who have already attained a high level of language proficiency, either as native speakers, as heritage speakers, or as a result of instruction. To be eligible for ACLS advanced-mastery grants, a language course must presume advanced competence; language courses at the advanced level do not qualify. Advanced-mastery language courses should be designed primarily for graduate students and postdoctoral researchers who have made a career commitment to Southeast European studies but may also accept individuals who work in non-governmental organizations or governmental agencies. Many graduate students, researchers, and other professionals who use a foreign language in their work often find themselves translating, interpreting, editing, etc., on a volunteer and untrained basis. Advanced-mastery courses should train them in the technical skills they need to perform these tasks with greater professional competence.

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

### **Request for Proposals: Digital Humanities Workshops**

National Foundation for the Arts and the Humanities; National Endowment for the Humanities (NEH)

**Deadline: January 17, 2008**

The National Endowment for the Humanities (NEH) invites proposals for workshops that offer academically rigorous professional development programs for K-12 educators seeking to use digital resources to strengthen the teaching of the humanities. Workshops must have a cohesive course of study, address well-defined topics, and foster deeper and more informed engagement with the content-rich resources of the Internet, particularly the materials and lesson plans available through NEH's EDSITEment, a nationally recognized gateway to the best humanities materials on the World Wide Web.

Goals of the Digital Humanities Workshops are:

- to provide training and experience in the use of new technologies to strengthen the teaching of significant themes and topics in the humanities;
- to engage teachers in deepening their knowledge and understanding of the humanities through the use of online archives and other digital materials;
- to give teachers opportunities to observe and share models for effective use of digital resources

in the K-12 classroom; and

- to encourage collaboration with humanities scholars who bring appropriate expertise on the topic of the project and on the use of new technologies in humanities teaching.

Workshops should be designed to offer a minimum of four full days of instruction, or the equivalent amount of hours spread over a longer period of time. As appropriate, workshops could, for example, be designed for one consecutive four-day session, or for a series of one-day or half-day sessions held at regular intervals over one or more months. Workshops must accommodate a minimum of 20 teachers at each session, not including any teachers served by a distance learning component.

Participating teachers may be identified in the application or after the proposal is funded, as appropriate. Projects should feature humanities scholars who have expertise relevant to the workshop topic and appropriate experience in the use of new technologies in their teaching. Faculty for the workshop must be identified in the proposal, with evidence of commitments included in the application.

For more information: <http://www.neh.gov/grants/guidelines/digital.html>

### **INTERNATIONAL AREA STUDIES**

See also opportunities listed under HUMANITIES and MULTIPLE DISCIPLINES

#### **Kress Fellowship in Egyptian Art and Architecture**

American Research Center in Egypt (ARCE)

**Deadline: January 7, 2008**

Fellows must devote full time to their research of humanistic social sciences and may not accept outside teaching assignments or employment without the written consent of program officers.

For more information: [http://www.arce.org/fellowships/funded\\_fellowships.html](http://www.arce.org/fellowships/funded_fellowships.html)

#### **Multi-Country Research Fellowship Program for Advanced Multi-Country Research**

Council of American Overseas Research Centers (CAORC)

**Deadline: January 11, 2008**

The Council of American Overseas Research Centers (CAORC) announces a fellowship program that supports advanced regional research. The program is open to U.S. doctoral candidates and scholars who have already earned their Ph.D. in fields in the humanities, social sciences, or allied natural sciences and wish to conduct research of regional or transregional significance. Fellowships require scholars to conduct research in more than one country, at least one of which hosts a participating American overseas research center. Preference will be given to candidates examining comparative or cross-regional questions requiring research in two or more

countries. Activity Locations in Bangladesh, Cambodia, Cyprus, Egypt, Gaza Strip, Greece, India, Iran, Israel, Italy, Jordan, Mexico, Morocco, Pakistan, Senegal, Sri Lanka, Tunisia, Turkey, West Bank, and Yemen.

For more information: <http://www.caorc.org/fellowships/multi/>

### **Harvard Postdoctoral Fellowships in Japanese Studies**

Harvard University; Reischauer Institute of Japanese Studies, Edwin O.

**Deadline: January 15, 2008**

The Edwin O. Reischauer Institute of Japanese Studies at Harvard University will offer postdoctoral fellowships in Japanese studies to recent Ph.D.s of exceptional promise, to give them the opportunity to turn their dissertations into publishable manuscripts. Residence in the Cambridge or Boston area and participation in institute activities are required during the appointment.

For more information: <http://www.fas.harvard.edu/~rijs/fellowships/postdoctoral.html>

### **Title VIII Combined Research and Language Training (CRLT) Program**

American Councils for International Education - ACTR/ACCELS

**Deadline: January 15, 2008**

Funded by the U.S. Department of State, Program for the Study of Eastern Europe and The Independent States of the Former Soviet Union (Title VIII), the American Councils Combined Research and Language Training (CRLT) Program serves graduate students and scholars who, in addition to support for research in the independent states of the former Soviet Union, require supplemental language instruction.

Programs are available in Belarus, Central Asia, Russia, the South Caucasus, Ukraine, and Moldova. Scholars may apply for support in more than one country during a single trip but must plan to be in the field for a total of three to nine months. Those scholars seeking support for research and/or language study in the countries of Southeastern Europe should apply to the Title VIII Research and Language Training Programs for Southeastern Europe.

For more information: [http://www.americancouncils.org/programs.php?program\\_id=NDk=](http://www.americancouncils.org/programs.php?program_id=NDk=)

## **MEDICINE & LIFE SCIENCES**

See also opportunities listed under MULTIPLE DISCIPLINES

### **Mary Hendrickson-Johnson Melanoma Professorship**

The American Cancer Society

**Deadline: Preliminary Proposal: December 15, 2007**

**Invited Full Proposal: April 1, 2008**

Melanoma cancer accounts for almost 4% of cancers among men and women. In the United States an estimated 60,000 new cases will be diagnosed, and 8,100 deaths will occur in 2007. The overall five-year survival rate is 91% but ranges from 99% for localized melanoma to 15% for distant stage melanoma. Because of the continued burden of this cancer and the need for additional research, the American Cancer Society announces this Request for Applications for the *American Cancer Society-Mary Hendrickson-Johnson Melanoma Professorship*. The award is intended for an outstanding mid-career investigator who has made a seminal contribution that has changed the direction of cancer research and who continues to provide leadership in this research area. Applications from distinguished investigators in the area of melanoma research, including research in the areas of etiology, genetics, pathogenesis, diagnosis or treatment of melanoma, are requested.

Candidates must be American citizens or permanent residents with at least 10 years of experience beyond receipt of their terminal degree and within 15 years of their appointment as a full professor. Department chairs or individuals with equivalent administrative positions, and individuals working for government agencies or for-profit organizations are not eligible. The amount of the award is \$80,000 per year for five years and may be renewed for an additional five years. Only one award will be made. The awardee must be willing to be a spokesperson on selected occasions for the American Cancer Society and for cancer research.

For more information:

[http://www.cancer.org/docroot/RES/content/RES\\_5\\_2x\\_Melanoma\\_Professorship\\_RFA.asp?sitearea=RES](http://www.cancer.org/docroot/RES/content/RES_5_2x_Melanoma_Professorship_RFA.asp?sitearea=RES)

### **AACR-Pancreatic Cancer Action Network Pilot Grants**

American Association for Cancer Research

**Deadline: December 17, 2007**

The AACR is now accepting applications for our 2008 AACR-Pancreatic Cancer Action Network Pilot Grants.

These grants are open to both Young Investigators (postdoctoral or clinical fellows; instructors; junior faculty; or the equivalent who are working under the auspices of a scientific mentor) with demonstrated potential for and commitment to pancreatic cancer research and Established Investigators.

Proposals will be accepted for innovative research projects that have a direct application or demonstrate relevance to the early detection or treatment of pancreatic cancer; projects may be in any discipline of basic, translational, clinical, or epidemiological cancer research.

Proposals that will develop preliminary data necessary to prepare and submit a competitive research grant application to a major federal funding agency will also be accepted.

Special emphasis will be placed on research that is not duplicative of other efforts and has the potential for national application.

Four Pilot Grants of \$100,000 each will be awarded in 2008.

For more information: <http://www.aacr.org/home/scientists/research-funding--training-grants/research-funding/pilot-grants.aspx>

### **Klarman Family Foundation Grants Program in Eating Disorders Research**

The Medical Foundation (TMF)

**Deadline: Letter of Intent: January 10, 2008**

The Medical Foundation is pleased to announce the launch of the Klarman Family Foundation Grants Program in Eating Disorders Research. The program's goal is to expand the number of outstanding scientists whose research explores the basic biology of anorexia nervosa, bulimia nervosa, and binge eating disorder. The long term goal is to accelerate progress in developing effective treatments for these disorders.

Examples of funding areas include but are not limited to

- molecular genetic analysis of relevant neural circuit assembly and function;
- animal models created by genetically altering neural circuits;
- testing of new chemical entities that might be used in animal models as exploratory treatments;
- brain imaging approaches that identify neurochemical pathways in patients with these disorders.

Clinical psychotherapeutic studies, medication trials, and research in the medical complications of eating disorders are currently outside the scope of this program.

For more information: <http://www.tmfnet.org/grantmake.html#klarman>

### **Post-Doctoral Fellowship in the Early Detection of Cancer 2008**

Canary Foundation and The American Cancer Society

**Deadline: Letter of intent: January 16, 2008**

**Complete application: February 20, 2008**

Technical developments in the rapidly advancing fields of genomics, proteomics, metabolomics, and imaging are transforming how patients and physicians evaluate risk, prevention, detection, and the treatment of cancer. These emerging technologies will lead to rapid, cost-effective, and coordinated evaluation of an individual's DNA sequence, complex patterns of RNA and protein

expression, and metabolic regulation. This in turn, presents exciting opportunities to translate such knowledge into clinical management.

The Canary Foundation, in partnership with the American Cancer Society, is extending its postdoctoral fellowship program focused on studies towards development of strategies for the early detection of cancer. Research should be directed at new approaches to improve clinical methods for the detection of primary tumors and/or metastases, including, but not limited to research focused in the following areas:

- Minimally invasive strategies for early detection
- Biomarker identification or discovery
- Imaging, including novel molecular imaging strategies
- Segmentation of early stage disease according to prognosis

The projects that will be funded are expected to have a direct impact on the early detection of cancer or to provide a clear conceptual or experimental foundation for the future development of methods for early detection.

For more information: [www.cancer.org/research](http://www.cancer.org/research).

### **Developmental Biology and Regeneration of the Liver (R01)**

Department of Health and Human Services (HHS)

**Due date: February 5, 2008**

The purpose of this funding opportunity is to invite qualified scientific investigators to submit applications on liver development and regeneration to fully define the molecular and cellular mechanisms underlying these processes in health and disease and to apply these findings to developing improved therapies for liver disease.

For further information: <http://grants1.nih.gov/grants/guide/pa-files/PA-07-026.html>

### **Career Enhancement Award for Stem Cell Research (K18)**

Department of Health and Human Services (HHS)

**Due date: February 12, 2008**

The purpose of this funding opportunity announcement is to encourage investigators to obtain the training and career development they need to appropriately use stem cells in their research. The use of stem cells in biomedical research offers the potential for significant advances in the next decades, provided investigators not only understand this potential, but are equipped to take advantage of it. Human embryonic stem cells (hESC) have only recently become available and most investigators are not prepared to handle, maintain, or properly study hESCs. Likewise, the potential of human adult or cord blood, and even animal, stem cells for understanding, treating, and curing human disease is great.

For further information: <http://fundingopps.cos.com/cgi-bin/getRec?id=107503>

**Independent Scientist Award (K02)**

Department of Health and Human Services (HHS), National Institutes of Health (NIH)

**Due date: February 12, 2008**

The Independent Scientist Award (K02) is intended to foster the development of outstanding scientists and enable them to expand their potential to make significant contributions to their field of research. It provides three, four, or five years of salary support and "protected time" for newly independent scientists who can demonstrate the need for a period of intensive research focus as a means of enhancing their research careers. Each independent scientist career award program must be tailored to meet the individual needs of the candidate. The sponsoring institution must demonstrate a commitment to provide the environment, resources and the protected time required for the candidate to perform the activities included in the proposed research and career development plans.

For further information: <http://grants1.nih.gov/grants/guide/pa-files/PA-06-527.html>

**NIAID Research Scholar Development Award (K22)**

Department of Health and Human Services (HHS), National Institutes of Health (NIH),  
National Institute of Allergy and Infectious Diseases (NIAID)

**Due date: February 12, 2008**

The primary, long-term goal of the NIAID Research Scholar Development Award (RSDA) program is to increase and maintain a strong cohort of new and talented NIH-supported independent investigators that will address the health needs of the United States. The NIAID RSDA is specifically designed to facilitate the transition from a postdoctoral research position to an independent research position. This award is intended for and limited to postdoctoral scientists who are in mentored training positions and do not have sufficient research training experience or institutional authority to lead an independent research program. Intramural and extramural postdoctoral scientists are eligible to apply for Phase 1.

For further information: <http://grants1.nih.gov/grants/guide/pa-files/PAR-07-347.html>

**PHYSICAL SCIENCES & MATHEMATICS**

See also opportunities listed under MULTIPLE DISCIPLINES

**McKay Postdoctoral Fellowship in Mathematics**

McMaster University-Department of Mathematics and Statistics

**Deadline: January 4, 2008**

The Department of Mathematics and Statistics at McMaster University is inviting applications for the McKay Postdoctoral Fellowship in Mathematics. This fellowship provides an opportunity to spend up to three years engaged in research, with a limited amount of teaching, and are

particularly suitable for talented mathematicians who have recently completed the Ph.D. degree.

Research areas of particular interest include harmonic analysis, and linear and nonlinear partial differential equations.

For more information: <http://www.math.mcmaster.ca/employment/>

### **Postdoctoral Fellowships at the National Center for Atmospheric Research**

University Corporation for Atmospheric Research (UCAR); National Center for Atmospheric Research (NCAR); Advanced Study Program (ASP)

**Deadline: January 5, 2008**

The National Center for Atmospheric Research (NCAR) is a research institution located in Boulder, Colorado, operated by the nonprofit University Corporation for Atmospheric Research (UCAR) under sponsorship of the National Science Foundation (NSF). Through its Advanced Study Program (ASP), NCAR offers a continuing program of postdoctoral study in the atmospheric and related sciences.

The postdoctoral program provides an opportunity for recent-Ph.D. scientists to continue to pursue their research interests in atmospheric and related science. The program also invites postdoctoral physicists, chemists, applied mathematicians, computer scientists, engineers, and specialists from related disciplines such as biology, geology, science education, economics, and geography, to apply their training to research in the atmospheric sciences.

The primary goal of the program is to develop the careers of recent Ph.D. graduates. The ASP also encourages independence and creativity while providing an environment in which fellows interact with and receive advice from experienced scientists at NCAR.

The postdoctoral fellowships provide successful applicants with considerable freedom to pursue their own research interests. Most fellows develop research projects in collaboration with NCAR scientists, but all are expected to choose their own research directions and are responsible for the design and conduct of their own projects.

Research at NCAR includes studies of atmospheric dynamics (on all scales), climate science, cloud physics, atmospheric chemistry and radiation, turbulence, upper-atmosphere physics (including ionosphere studies and aeronomy), solar physics, oceanography, and societal impacts related to these scientific areas. There are related programs in atmospheric technology and in computational science and applied mathematics. The NCAR program also includes studies of the interaction of the atmosphere with the oceans, the cryosphere, the earth's surface, and human society. Scientists that are interested in applying their knowledge of biology, ecology, geology, economics, and political science to atmospheric issues are encouraged to apply.

An applicant must have a Ph.D. or Sc.D. degree granted in an area related to NCAR science during the four years preceding the application date, or must be able to complete such a degree and finish all thesis revisions and defense before starting the NCAR appointment. (Scientists

with more experience should apply to the director of the division in which they would like to work for a position as visiting scientist, or they may contact the ASP office directly for information on appropriate appointments.) NCAR encourages applications from women and minorities. There are no special restrictions for foreign applicants.

For more information: [http://www.asp.ucar.edu/pdf/pd\\_announcement.jsp](http://www.asp.ucar.edu/pdf/pd_announcement.jsp)

### **RIDGE 2000 - NSF 07-571**

National Science Foundation (NSF); Directorate for Geosciences (GEO); Division of Ocean Sciences (OCE)

**Deadline: January 15, 2008**

RIDGE 2000 is a community-based science initiative focused on integrated geological and biological studies of the Earth-encircling mid-ocean ridge system. Central to the RIDGE 2000 science plan is the recognition that the origin and evolution of life in deep-sea ecosystems are inextricably linked to, and perhaps an inevitable consequence of, the flow of energy and material from Earth's deep mantle, through the volcanic and hydrothermal systems of the oceanic crust, to the deep ocean. The complex linkages between life and planetary processes at the mid-ocean ridge can be understood only through tightly integrated studies that span a broad range of disciplines in geophysics, geology, geochemistry, biology, and oceanography. The National Science Foundation (NSF) announces support for a new RIDGE 2000 initiative and invites proposals directed toward the program elements below.

RIDGE 2000 scientific objectives are encapsulated in the phrase "from mantle to microbes...", which expresses the inextricable linkages between the geological processes of planetary renewal that occur along the mid-oceanic plate boundary and the chemical and biological processes that sustain life, in the absence of sunlight, in the deep ocean. The hallmarks of RIDGE 2000 scientific studies will be a focus on limited, scientifically defined geographic areas; co-location of experiments in space and time; and integration across a wide range of disciplines. By emphasizing an integrated, investigative approach that can be accomplished only with high levels of coordination, RIDGE 2000 will complement ongoing ridge crest research. International activities through InterRidge will serve to increase substantially the effectiveness and the accomplishments of this coordinated strategy.

The RIDGE 2000 program will have two elements: RIDGE 2000 Integrated Studies, and RIDGE 2000 Time Critical Studies.

RIDGE 2000 Integrated Studies will address the complex, inter-linked array of processes that supports life at and beneath the seafloor as a consequence of heat and material transfer from the Earth's deep mantle, to the crust and overlying ocean. Integrated Studies will develop focused, quantitative, whole-system models through coordinated, integrated, and interdisciplinary experiments. The overarching goal is to understand the mid-ocean ridge as a complex geobiological system with interconnected parts related through diverse controls and feedback. This understanding requires integrated and often simultaneous investigations of all aspects of the system, and the linkages among them, at a small number of sites that encompass a range of

external forcing functions.

RIDGE 2000 Time Critical Studies will focus on the immediate biological, chemical, and geological consequences of transient "events" along the mid-ocean ridge system. Events may include volcanic eruptions on the seafloor, intrusion of dikes or other magma bodies at the ridge axis, deformation events related to seafloor spreading, and related phenomena. Transient events are short-lived, occurring on timescales of seconds to months or, possibly, years. They can have major biological, chemical, and geological impacts on the mid-ocean ridge system. RIDGE 2000 will focus on detecting and locating events as they occur, and on rapid deployment of instruments and sampling devices to events that are still in progress.

In addition to these two elements, RIDGE 2000 is accepting applications for a Postdoctoral Fellowship Program. The RIDGE 2000 Postdoctoral Fellowship Program is intended to foster cross-disciplinary fertilization by providing opportunities for individuals to broaden their research experience.

For more information: <http://www.nsf.gov/pubs/2007/nsf07571/nsf07571.htm>

## **SOCIAL SCIENCES**

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

### **Dissertation Grants Program**

American Educational Research Association (AERA)

**Deadline: January 4, 2008**

With support from the National Science Foundation (NSF) and the National Center for Education Statistics (NCES) of the Institute of Education Sciences, the American Educational Research Association (AERA) Grants Program announces its Dissertation Grants Program. The program's goals are (1) to stimulate research on U.S. education policy- and practice-related issues using NCES and NSF data sets; (2) to improve the educational research community's firsthand knowledge of the range of data available at the two agencies and how to use them; and (3) to increase the number of educational researchers using the data sets. AERA invites education policy- and practice-related dissertation proposals using NCES, NSF, and other national data bases.

Dissertation Grants are intended to support advanced doctoral students while writing the doctoral dissertation. Applications are encouraged from a variety of disciplines, such as but not limited to, sociology, economics, psychology, demography, statistics, and psychometrics. Dissertation topics may cover a wide range of policy- or practice-related issues that include but are not limited to: teachers and teaching, including supply, quality, and demand; policies and practices related to student achievement and assessment; policies and practices that influence student and parental attitudes; contextual factors (individual, curricular, and school-related) in education; educational participation and persistence (kindergarten through career entry); at-risk students; early childhood education; U.S. education in an international context; school finance; materials

(curriculum) development, research and informal science education; undergraduate science, engineering, and mathematics education; the supply (pipeline) of students taking mathematics and science courses; the quality of educational institutions; and methodological studies. Researchers must include the analysis of data from at least one NSF or NCES data set in the dissertation. Additional large-scale nationally representative data sets may be used in conjunction with the obligatory NSF or NCES data set. If international data sets are used, the study must include U.S. education.

For more information: [http://www.aera.net/grantsprogram/res\\_training/diss\\_grants/DGFly.html](http://www.aera.net/grantsprogram/res_training/diss_grants/DGFly.html)

**Research and Training Program on Poverty and Public Policy-Postdoctoral Fellowships**  
University of Michigan; Gerald Ford School of Public Policy; National Poverty Center (NPC)  
**Deadline: January 11, 2008**

Purposes

- To provide outstanding American minority scholars and other scholars who are members of a group that is underrepresented in the social sciences the opportunity to spend a year or two conducting research and pursuing extensive training in residence at the National Poverty Center at the Gerald R. Ford School of Public Policy.
- To expand knowledge in all of the social sciences on a broad range of issues related to poverty and public policy.
- To encourage interdisciplinary research through course work, independent study and faculty interaction.

Faculty affiliates of this program are currently engaged in the following types of studies:

- Economic Self-sufficiency and the Well-being of Vulnerable Families and Children
- The Effects of Economic Conditions and Public Policies on Poverty and Family Well-Being
- Longitudinal Analyses of Youth Development
- Family Formation and Healthy Marriages
- Safety, Stability and Healthy Development of Children
- Investing in Low-Income Families: The Accumulation of Financial Assets and Human Capital
- Qualitative Research on Barriers to Self-Sufficiency
- The Role of Religiosity and Non-government Organizations in the Lives of the Poor

Priority will be given to proposals that would benefit from resources available at the University of Michigan and from interactions with affiliated faculty members.

For more information: [http://www.fordschool.umich.edu/research/poverty/fellowship\\_opps.php](http://www.fordschool.umich.edu/research/poverty/fellowship_opps.php)

## **Sounds of Living Grants: The Impact of Music Making**

NAMM Foundation

**Deadline: January 15, 2008**

Sounds of Living: The Impact of Music Making is a signature funding program of the NAMM Foundation supporting research that examines the role of active participation in music for children, youth, adults, and seniors. Research funded under the Sounds of Living initiative explores the effects of music learning and music-making outside of formal educational settings and expands the understanding of the role of music-making in health, wellness, socialization, and the inter-connections between mind, body, and spirit that contribute to wellness and overall quality of life.

The Sounds of Living funding program seeks proposals that examine the impact of specific programs or protocols including, but not limited to, recreational music-making, community drum circles, and music-making programs, both extant and emerging, that are serving people in communities and human-support service settings such as hospitals, clinics, youth service agencies, short- and long-term care facilities, and programs that serve persons with special needs. Studies can examine the impact of music-making at any stage, from novices to those actively engaged.

This request for proposals (RFP) seeks to support short-term research projects of not longer than nine months. Proposals are requested to conduct quantitative studies concerning the impact of specific music-making protocols or programs that have the potential for replication and use within human-service or community settings that address the needs of children, adolescents, or teenagers with and without special needs; or the needs of adults and seniors. Research design should reveal the effects or impact of prescribed music-making programs on health, wellness, and other social and psychological factors; qualitative data may be included to underscore quantitative results of the study.

For more information: <http://www.music-research.org/Grants/guidelines.html>

## **Behavioral Science Track Award for Rapid Transition (B/START) (R03)**

Department of Health and Human Services (HHS)

**Due date: February 16, 2008**

The National Institute on Drug Abuse (NIDA), through the issuance of this program announcement (PA), seeks 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. Funding of B/START awards is relatively rapid, i.e., within approximately six months of the date of receipt of the application.

All areas of behavioral research related to drug abuse are sought under this announcement including (a) animal and human basic behavioral research aimed at elucidating underlying behavioral mechanisms, determinants and correlates of drug abuse and characterizing the

consequences of drug abuse and addiction; (b) research incorporating neural and other biological approaches if the research has a primary focus on behavior; (c) drug abuse epidemiology, risk and protective factors, treatment, prevention, and drug abuse services; and (d) behavioral research on the intersection of drug abuse and HIV/AIDS and other infectious diseases. These areas of interest include, but are not limited to:

- measurement of the incidence, prevalence, and patterns and trends of drug abuse (in various stages);
- identification of risk, vulnerability, protective, and resiliency factors for drug use and dependence;
- studies of learning, motivational, cognitive, and emotional factors contributing to the acquisition of drug taking, maintenance, withdrawal, and relapse;
- characterization of the effects of abused drugs on diverse behavioral domains including sensory-perceptual, psychomotor, learning, motivation, cognitive, social, and cultural;
- development of new animal behavioral paradigms that provide valid models of human abuse and addiction;
- development of new animal behavioral models to serve as screening procedures in the search for pharmacotherapies to treat drug dependence;
- development of mathematical or computational models of learning, conditioning, or cognitive processes relevant to drug abuse;
- studies of the behavioral factors involved in tolerance, and sensitization, and in the transition from drug use to drug dependence;
- behavioral genetic approaches either in animal models (e.g., transgenic animals, development of simple high-input behavioral screens) or human subject studies (e.g., establishment of pedigrees, twin studies);
- studies of innovative theory-based prevention approaches including interventions to mitigate or ameliorate adverse consequences associated with drug abuse.

For further information: <http://grants1.nih.gov/grants/guide/pa-files/PA-06-541.html>

### **MULTIPLE DISCIPLINES**

#### **Defense Sciences Research and Technology - Programmable Matter (Special Focus Area)**

United States Department of Defense (DOD); Defense Advanced Research Projects Agency (DARPA)

**Deadline: January 3, 2008**

The Defense Advanced Research Projects Agency (DARPA) Defense Sciences Office (DSO) is soliciting proposals for advanced research and development in a variety of enabling technical areas. Proposals may be either for basic or applied research. In all cases, interested parties should demonstrate that their proposed effort is aimed at high-risk/high-payoff technologies that have the potential for making revolutionary rather than incremental improvements to national security, including emerging threats and operational challenges.

For this Special Focus Area, DARPA has stated that critical features that must be considered in the development of Programmable Matter include:

Chemistry: (1) Mesoscale particles with the right size, shape, composition, and functionality; (2) Means for transporting particles around in fluid and dry states; and (3) Interlocking/adhesive mechanisms to reversibly hold particles together and create materials with mechanical integrity.

Information Theory: Particles that variably decode and encode information (i.e., instruction sets), propagate information, and translate instructions into action (e.g., bind, move, etc.), in response to internal or external commands. Control: Particles that are addressable by external means (e.g., EM field), and that ideally have error-checking capability to test the structural/functional integrity of the assembled object.

To achieve the Programmable Matter vision, key technological breakthroughs will center on the following critical areas:

1. Encoding information into chemistry, or fusing materials with machines
2. Fabrication of mesoscale particles with arbitrary complex shapes, composition, and function
3. Interlocking/adhesion mechanisms that are strong AND reversible
4. Global assembly strategies that translate information into action
5. Mathematical theory for construction of 3D objects from particles.

Of critical importance are radical new material architectures that maximize the efficiency of information processing/transfer, and design rules for the optimal number, size, and shape of particles required to create objects of a specific size and spatial feature resolution.

For more information: <http://fedbizopps.cos.com/cgi-bin/getRec?id=20071026a11>

### **Sofja Kovalevskaja Programme for Outstanding Young Scientists and Scholars**

Alexander (AvH) von Humboldt Foundation, Scholar Award Programs

**Deadline: January 4, 2008**

The Alexander von Humboldt Foundation's Sofja Kovalevskaja Award, which is funded by the Federal Ministry of Education and Research, is granted in recognition of the outstanding academic achievements of exceptionally promising junior researchers from abroad and enables them to establish their own groups of junior researchers at research establishments in Germany. The programme is open to scientists and scholars of all disciplines.

Virtually unaffected by administrative constraints, the award winners are able to concentrate on high-level, innovative research work of their own choice in Germany and thus strengthen the internationalisation of research in Germany. The award money allows the winners to finance their own working group at a university or non-university research establishment of their own choice in Germany and also covers their living expenses.

The programme is open to scientists and scholars from all countries and disciplines who completed their doctorates with distinction less than six years ago and have published work in prestigious international journals or publishing houses.

Foreign academics staying in Germany are eligible to apply if they have not been working in an academic capacity in Germany for more than two years at the time of application. German academics are eligible to apply if they have been working in an academic capacity abroad for at least five years at the time of application.

The Alexander von Humboldt Foundation particularly welcomes applications from qualified female junior researchers.

For more information: <http://www.humboldt-foundation.de/en/programme/preise/kova.htm>

### **IBM Herman Goldstine Fellowship**

International Business Machines Corporation (IBM)

**Deadline: January 5, 2008**

The Mathematical Sciences Department of the IBM Thomas J. Watson Research Center invites applications for its Herman Goldstine Fellowship for postdoctoral research in mathematical and computer sciences. This fellowship provides scientists of outstanding ability an opportunity to advance their scholarship as resident department members at the research center. The department provides an atmosphere in which basic research is combined with experience on technical problems arising in industry.

The program is organized for research in pure and applied mathematics and in theoretical and exploratory computer science. Areas of research include

- algorithms (approximation, randomized, and on-line);
- data mining (machine learning, pattern recognition, and computational statistics);
- dynamical systems and differential equations;
- high-performance computing (including scientific computing and parallel computing);
- numerical analysis;
- optimization (discrete, continuous, and stochastic);
- probability theory (stochastic models, risk management, queues and queueing networks);
- statistics (time-series, multivariate analysis, design, and reliability); and
- supply-chain and operations management (pricing, optimization and performance modeling).

Close interaction with permanent department members is expected, but fellows will be free to pursue their own research interests. Candidates must have received a Ph.D. degree after September 2003 or should expect to receive one before the fellowship commences in the second half of 2008.

For more information:

[http://domino.research.ibm.com/comm/research\\_projects.nsf/pages/goldstine.index.html](http://domino.research.ibm.com/comm/research_projects.nsf/pages/goldstine.index.html)

### **Young Investigator Program (YIP)**

United States Department of Defense (DOD); Department of the Navy; Office of Naval Research (ONR); University Research Initiative (URI)

**Deadline: January 11, 2008**

The Office of Naval Research announces its Young Investigator Program to identify and support academic scientists and engineers who have recently received Ph.D. or equivalent degrees and who show exceptional promise for doing creative research. The objectives of this program are to attract outstanding faculty members of institutions of higher education to the Navy's research program, to support their research, and to encourage their teaching and research careers.

Research interest areas include the following:

1. Mathematical, computer, and information science
2. Electronics
3. Surveillance, communications, and electronic combat
4. Ocean, atmosphere, and space sensing and systems
5. Ocean, atmosphere, and space processes and prediction
6. Physical sciences science and technology
7. Materials science and technology
8. Mechanics and energy conversion science and technology
9. Ship structures and systems science and technology
10. Medical science and technology
11. Cognitive, neural, and biomolecular science and technology
12. Strike technology
13. Manufacturing science and technology

For more information: [http://www.onr.navy.mil/sci\\_tech/3t/corporate/yip.asp](http://www.onr.navy.mil/sci_tech/3t/corporate/yip.asp)

### **Predocctoral Fellowships**

Smithsonian Institution (SI); Office of Research Training and Services

**Deadline: January 15, 2008**

Fellowships at the Smithsonian Institution provide students and scholars with opportunities to pursue independent research projects in association with members of the Smithsonian professional research staff. Persons interested in conducting research at the Smithsonian Astrophysical Observatory should apply to that bureau directly. Predocctoral fellowships allow students to conduct research for periods of three to twelve months.

Applicants to the fellowship programs must propose research in a field pursued at the Smithsonian. A specific and detailed research proposal indicating why the Smithsonian is an appropriate place to conduct the studies proposed is required. Fellowships are only offered to support research within Smithsonian facilities or programs. Fellows are expected to spend most of their tenure in residence at the Smithsonian, except when arrangements are made for periods of field work or research travel.

For all fellowships, appropriate members of the Smithsonian professional staff must be willing to serve in the capacity of principal advisor or host, and space and facilities must be available to accommodate the proposed research.

Fields of research at the Smithsonian include American history, American material and folk culture, and the history of music and musical instruments; history of science and technology, history of art, design, crafts, and the decorative arts; anthropology, archaeology, linguistics, and ethnic studies; evolutionary, systematic, behavioral, environmental biology, and conservation; geological sciences and astrophysics; and materials characterization and conservation.

For more information: <http://www.si.edu/ofg/Applications/SIFELL/sifell.htm>

### **Computational Science Graduate Fellowship**

United States Department of Energy (DOE)

**Deadline: January 16, 2008**

The basic objective of the Computational Science Graduate Fellowship Program is to encourage talented students in the physical, engineering, computer, mathematical, or life sciences to enter a period of study and research in computational science accompanied by practical work experience at recognized U.S. Department of Energy (DOE) research facilities.

The fellowship program is designed to provide incentive and encouragement to students with outstanding academic records to continue their graduate studies in preparation for careers in computational science. The award is limited to a maximum of 48 months and must be renewed each year. The duration of the award is affected by the status of the awardee and projected availability of funds. Renewal of the fellowship is based on excellent academic progress and research consistent with national goals in computational science. Students usually undertake their practicum assignment during the summer and may receive an additional dislocation allowance during the practicum period.

Students must be planning full-time, uninterrupted study toward a Ph.D. degree at a U.S. university. Students currently in their first or second year of graduate study in the physical, engineering, computer, mathematical, or life sciences are eligible to apply. Applicants must be either U.S. citizens or permanent resident aliens.

For more information: <http://www.krellinst.org/csgf/index.shtml>

### **National Institutes of Health Director's Pioneer Award (DP1)**

Department of Health and Human Services (HHS); National Institutes of Health (NIH)

**Deadline: January 16, 2008**

The National Institutes of Health's (NIH's) success depends on the creativity of investigator-initiated research, much of it supported by the R01 grant mechanism. However, many scientists who participated in the development of the NIH Roadmap expressed the view that additional

means might be necessary to identify scientists with ideas that have the potential for high impact, but that may be too novel, span too diverse a range of disciplines, or be at a stage too early to fare well in the traditional peer review process. A group of distinguished outside consultants proposed that NIH establish a completely new program to encourage highly innovative approaches to biomedical research that have the potential to lead to significant advances in human health.

In response, NIH launched the NIH Director's Pioneer Award (NDPA) Program in 2004. This program is meant to complement NIH's traditional, investigator-initiated grant programs by supporting individual scientists of exceptional creativity who propose pioneering approaches to major contemporary challenges in biomedical research. The term "pioneering" is used to describe highly innovative approaches that have the potential for producing an unusually high impact. Biomedical research is defined broadly in this program as encompassing scientific investigations in the biological, behavioral, clinical, social, physical, chemical, computational, engineering, and mathematical sciences.

For more information: <http://grants1.nih.gov/grants/guide/rfa-files/RFA-RM-08-013.html>