

FUNDING ALERT

FEBRUARY 6, 2006

(Volume 12, Number 5)

FUNDING NEWS

ORS Workshop for Graduate Students: Locating & Applying for Funding

The **Office of Research Support** is offering a workshop for graduate students, *Locating & Applying for Funding*. 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.

- **Date: Friday, February 10, 2006**
- **Time: 10:30 am until 12:00 noon**

Registration is required. Class size is limited. Workshop location will be sent when registration is confirmed. To register send an email to trish.mcmillan@duke.edu with workshop title, date, your department, your year of study and your phone number OR call 681-8925.

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

Cintas Fellowships in Visual Arts and Architecture

The **Cintas Foundation** invites applications for the *Cintas Fellowships*. The foundation awards fellowships annually to creative artists of Cuban lineage who are currently residing outside of Cuba. The fellowships are intended to acknowledge outstanding creative accomplishments and to encourage the further development of creative talents in the fields of architecture, literature, music composition, and the visual arts and photography. Deadlines: **Feb. 17** (visual arts); **Mar. 17** (architecture).

WEB LINK. <http://www.cintasfoundation.org/> *The Foundation Center RFP Bulletin, January 27, 2006.*

Theatre Communications Group/International Theatre Institute Travel Grants

The **Theatre Communications Group**, in collaboration with the International Theatre Institute, funds *Travel Grants* to support cultural exchange and artistic partnerships between theatre professionals in the US and their counterparts in Russia and Eastern and Central Europe. These grants award theatres and individual theatre professionals (artists, administrators or educators) \$2,500 each, which may cover transportation and living expenses essential to the project including research materials, communication costs, theatre tickets and/or the services of an interpreter. Deadlines: **Apr. 28, Oct. 27.**

WEB LINK. http://www.tcg.org/frames/programs/fs_ap_grants.htm *The Foundation Center RFP Bulletin, January 27, 2006.*

Community Development

Katrina's Kids Community Service Grants

America's Promise and Youth Service America are awarding 17 young people (ages 5-25), across the country, \$1000 to implement sustainable relief projects supporting the hurricane relief efforts in the Gulf Region. Projects will be launched on National and Global Youth Service Day, April 21-23, 2006. Deadline: **Mar. 3**.

WEB LINK <http://www.ysa.org/awards/>

Also see this listing:

- **National Wildlife Refuge Friends Group Grant Program**
- **Nature of Learning Start-Up Grants for Environmental Education Programs**

Curriculum Development

Ethics Education in Science and Engineering – FAQs Published

On January 27, the **National Science Foundation** published *Frequently Asked Questions (FAQ) for Ethics Education in Science and Engineering* (EASE). This year's EASE proposals must focus on improving ethics education for graduate students in all of the fields of science and engineering that NSF supports, and on ethical issues that arise in research or graduate research education in those fields, particularly in interdisciplinary or inter-institutional contexts. NSF expects to make 5-12 awards. Since Duke University may submit only one proposal in response to this solicitation, anyone interested in submitting a proposal is asked to forward the requested materials to Ken Macdonald in the Office of Research Support (kwmac@duke.edu, 681-5988).

- A cover letter from the principal investigator identifying key personnel and their roles and providing an estimate of the amount to be requested from NSF.
- A letter of endorsement from the PI's department chair.
- A draft, abridged (three-page maximum) Project Description.

See the NSF web site for additional EASE program information.

<http://www.nsf.gov/pubs/2006/nsf06524/nsf06524.htm> Deadlines: **Feb. 14** (Duke internal deadline); **Mar. 24** (external preliminary proposal).

WEB LINK http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf06011

Also see these listings:

- **NSF International Polar Year Funding Opportunities**

Environmental & Life Sciences

Alternatives Research and Development Foundation Proposals

The **Alternatives Research and Development Foundation** is accepting research proposals for its *Alternatives Research Grant Program*. Up to \$40,000 in funding is available to support individual projects promote the development, validation, and adoption of non-animal methods in biomedical research, product testing, and education. Preferential consideration will be given to proposals that utilize human rather than non-human vertebrate tissue; do not involve the use of intact, non-human vertebrate or invertebrate animals; do not utilize serum or medium supplements obtained from non-human vertebrates; can be completed in one year; and are from

individuals associated with US institutions or organizations. Deadline: **Apr. 30**.

WEB LINK. <http://www.ardf-online.org/> *The Foundation Center RFP Bulletin, January 27, 2006.*

National Wildlife Refuge Friends Group Grant Program

The **National Fish and Wildlife Foundation** (NFWF) requests proposals for the *Group Grant Program* that assist organizations in being effective co-stewards of natural resources within the National Wildlife Refuge System. The program provides competitive seed grants (\$1,500-\$5,000) to creative and innovative proposals that seek to increase the number and effectiveness of organizations interested in assisting the refuge system nationwide. Deadlines: **Apr. 3 and Sep. 1**.

WEB LINK. <http://www.nfwf.org/programs/nwrgp.cfm> *The Foundation Center RFP Bulletin, January 27, 2006.*

Nature of Learning Start-Up Grants for Environmental Education Programs

The **National Fish and Wildlife Foundation**, in cooperation with the US Fish and Wildlife Service National Wildlife Refuge System and other program partners, invites applications from organizations interested in initiating the *Nature of Learning Program* in their communities. The Nature of Learning, a community-based environmental education initiative, seeks to use National Wildlife Refuges as outdoor classrooms to promote a greater understanding of local conservation issues; encourage an interdisciplinary approach to learning that seeks to enhance student academic achievement; utilize field experiences and student-led stewardship projects to connect classroom lessons to real-world issues; and involve a partnership among local schools, community groups, natural resource professionals, and local businesses. Grants of up to \$5,000 will be awarded on a competitive basis to support start-up expenses associated with new programs. Schools or nonprofit organizations, including "Friends" groups, Cooperative and Interpretive Associations, Audubon Chapters, are eligible to apply for funding. Programs must involve a partnership among a local school(s), community group (e.g., Refuge Support Group), and National Wildlife Refuge. Deadline: **Apr. 17**.

WEB LINK. <http://www.nfwf.org/programs/tnol.cfm> *The Foundation Center RFP Bulletin, January 27, 2006.*

Also see this listing:

- **Camille & Henry Dreyfus New Faculty Awards**
- **Duke University - Chandran Research Awards in Molecular Imaging in Neuro-Oncology**
- **NSF International Polar Year Funding Opportunities**
- **US Army Corps of Engineers Broad Agency Announcement: Sources Sought**

Graduate Funding

Duke Sigma Xi Grants for Graduate Students and Postdoctoral Fellows

Founded in 1886, Sigma Xi, the Scientific Research Society is a non-profit membership society of more than 80,000 scientists and engineers who were elected to the Society because of their research achievements or potential. The recently reactivated **Duke Chapter of Sigma Xi**, the Scientific Research Society, will administer three *Grants for Graduate Students and Postdoctoral Fellows* this year. Deadlines: **Mar. 3**.

- The *Sally Hughes-Schrader Travel Grant* awards one \$2,500 grant and two \$1,250 grants to graduate students in memory of Sally Hughes-Schrader for travel to field sites, distant

laboratories, or professional meetings. Half of funding for this program is derived from Graduate School funds. web

- *Duke University Sigma Xi Mini-Grants* award two \$500 grants to graduate students for research expenses not covered by the National Sigma Xi Grant-in-Aid program. web
- *Duke University Sigma Xi Postdoctoral Conference Travel Grants* award two \$500 grants to postdoctoral associates for conference travel. Half of the funding for this award is provided by the Office of Postdoctoral Services. web

WEB LINK <http://www.duke.edu/web/sigmaxi/>

2006 Smithsonian Astrophysical Observatory Predoctoral Program

The **Harvard-Smithsonian Center for Astrophysics**, a collaboration between the Harvard College Observatory and the Smithsonian Astrophysical Observatory, invites application to the *2006 Smithsonian Astrophysical Observatory Predoctoral Program* from current graduate students pursuing thesis research in astrophysics or related fields. Applicants in theory, observation, instrument development, or laboratory experiments at a university or college are strongly encouraged to apply. Fellowships are awarded for a period of one year and are renewable for up to three years. Stipends for the coming year will be approximately \$25,800. Deadline: **Apr. 15**.

WEB LINK <http://www.cfa.harvard.edu/predoc/overview.html>

Health Sciences

Duke University - Chandran Research Awards in Molecular Imaging in Neuro-Oncology

In Spring 2003, Beverly A. and Clarence J. Chandran established a gift to fund research in early detection of brain tumors at Duke University through the **Pratt School of Engineering**. The *Chandran Research Awards in Molecular Imaging in Neuro-Oncology* provide annual funding for two pilot research studies in molecular imaging in relation to Neuro-Oncology. Major goals of this initiative are to design better methods of tumor detection, tumor characterization and measurement of effects of tumor therapy. Each award generally provides between \$25,000 and \$50,000 in funding for a research project that will use imaging techniques to advance our knowledge of the molecular basis of tumor growth. Preference is given to proposals that show promise for subsequent funding by other sources, are translational in nature, explore new research areas and develop new collaborations across Duke University, especially those that demonstrate a collaboration between the Pratt School of Engineering and the School of Medicine. Eligibility is limited to faculty and trainees in the Pratt School of Engineering, Trinity Arts and Sciences and the School of Medicine at Duke University. Deadline: **Feb. 20**.

INQUIRIES: Ms. Tammy Sorrell (Special Assistant to the Dean, Pratt School of Engineering, Box 90271, Duke University) 919/660-5389, tammy.sorrell@duke.edu; WEB.

Robert Wood Johnson Foundation Call for Proposals -- Finding Answers: Disparities Research for Change

The **Robert Wood Johnson Foundation** has issued a *Call for Proposal -- Finding Answers: Disparities Research for Change*. Finding Answers seeks to improve the quality of health care provided to patients from racial and ethnic backgrounds likely to experience disparities. Finding Answers will:

- Grant funds to discover and evaluate practical and replicable solutions designed to reduce and eliminate racial and ethnic health care disparities.
- Conduct systematic reviews of existing published and unpublished literature regarding racial and ethnic health care disparities interventions.

- Disseminate results from the research efforts and the systematic reviews to encourage other health care systems to address racial and ethnic gaps in care.

Approximately 25 grants will be awarded in ranges between \$50,000 and \$300,000. Project periods may not exceed 24 months, including start-up, data collection and analyses.

Approximately \$5 million over three years will be available in this round of funding. Deadline: **Mar. 16.**

WEB LINK. <http://www.rwjf.org/applications/solicited/cfp.jsp?ID=19505>

Notice of Request for Proposals for NCI Best Case Series (BCS) Program: Prospective Research Projects

The **National Cancer Institute** (NCI), Office of Cancer Complementary and Alternative Medicine (OCCAM), seeks contract proposals for the *NCI Best Case Series (BSC) Program*. The program is designed to seek out alternative approaches to cancer treatment. Proposals responding to the solicitation should be prospective research projects justified on the basis of results from the findings of a completed review of a case submission to the NCI BCS Program. It is anticipated that any contract awarded under this solicitation will result in a completed research project within 2 years.

WEB LINK <http://grants.nih.gov/grants/guide/notice-files/NOT-CA-06-006.html>. *NIH Guide, January 20, 2006.*

Notice of Request For Proposals for NCI Best Case Series (BCS) Program: Developmental Support and Prospective Research Projects

The **National Cancer Institute** (NCI), Office of Cancer Complementary and Alternative Medicine (OCCAM), seeks contract proposals that will enhance the state of science on cancer treatment. The NCI Best Case Series (BSC) Program is designed to seek out alternative approaches to cancer treatment. This Broad Agency Announcement (BAA) will support developmental support and prospective research projects as part of the BSC as well as additional research when warranted. This BAA provides funding opportunities that will support compilation of the documentation on patient cases to be submitted to NCI OCCAM and reviewed as part of the NCI BCS Program.

WEB LINK <http://grants.nih.gov/grants/guide/notice-files/NOT-CA-06-008.html>. *NIH Guide, January 20, 2006.*

NIAAA Joins PAR-05-150, Mechanism for Time-Sensitive Research Opportunities

The **National Institute on Alcohol Abuse and Alcoholism** (NIAAA) announces its intent to join other participating NIH institutes in program announcement PAR-05-150, *Mechanism for Time-Sensitive Research Opportunities*. This PA encourages innovative scientific partnerships between researchers and community or public partners (e.g., public mental health/substance abuse or health care systems, long-term care providers, criminal justice settings, health care providers, payers, health authorities, etc.) who cannot delay policy or program changes in order to obtain baseline research data related to such changes. Research collaborations intended to answer unique and innovative questions concerning changes in a health care system or policy are of most interest. The PA provides a mechanism for accelerated review and award to support opportunities for this type of research. Deadlines: **4 weeks prior to planned submission date** (letter of intent), **the 9th of each month** (application).

WEB LINK <http://grants.nih.gov/grants/guide/pa-files/PAR-05-150.html>. *NIH Guide, January 20, 2006.*

Sarcoidosis: Research into the Cause of Multi-Organ Disease and Clinical Strategies for Therapy (R01)

The **National Institute of Health** requests application for *Sarcoidosis: Research into the*

Cause of Multi-organ Disease and Clinical Strategies for Therapy. The program encourages research to identify the cause of sarcoidosis and related predisposing factors, such as genomic, proteomic, metabolomic, lipidomic or glycomic factors related to the etiology of sarcoidosis. Investigations might include how sarcoidosis perturbs the innate and acquired immunity systems; affects multi-organs within the human body; and impacts biobehavioral and psychosocial factors of the individual, family, and community. This program encourages innovative, multidisciplinary basic and clinical research of sarcoidosis involving the respiratory tract and other frequently involved organs, especially those of so-called critical involvement (heart, eyes, liver, and neurologic system) with the intent of accelerating progress in the discovery of the cause of sarcoidosis and its diagnosis, prevention, and treatment. This program also encourages methodologies and instruments that determine disease burden. Deadlines: **Feb. 1, Jun. 1, Oct. 1.**

WEB LINK <http://grants.gov/search/search.do?mode=VIEW&oppId=7677>. *Grants.gov, January 20, 2006.*

New National Parkinson Foundation Research Grant Program

The **National Parkinson Foundation** has announced a new program, *The Fight Goes On*, to fund major, innovative Parkinson's research with grants of up to \$1 million over a period of up to three years. The Fight Goes On seeks to fund major, innovative research proposals that are targeted, time-limited, pre-clinical or clinical studies directly relevant to studying the cause of and cure for Parkinson disease; are of the highest scientific caliber; lie outside the mainstream of current research; involve reasonable risks -- and the corresponding potential for high yield; and identify very promising and exciting hypotheses, with the goal of obtaining sufficient data to establish or refute the hypotheses and perhaps qualify for funding from more conventional sources such as the National Institutes of Health. Deadline: **Mar. 13.**

WEB LINK. <http://www.parkinson.org/site/pp.asp?c=9dJFJLPwB&b=71117> *The Foundation Center RFP Bulletin, January 27, 2006.*

Peregrine Charities Grant for Families Coping with Rare Pediatric Diseases

Peregrine Charities, a foundation created in May 2004 to assist children and families coping with rare pediatric diseases, is accepting grant applications. Grants to support medical research into the origin, treatment and cure of pediatric diseases, in particular rare and under funded diseases will range from \$2,000 to \$50,000. Other causes will be considered as demand and opportunity allow. The grants are issued on a bi-annual basis and can be considered for renewal. Deadline: **Mar. 30.**

WEB LINK. <http://www.peregrinecharities.org/> *The Foundation Center RFP Bulletin, January 27, 2006.*

Alliance for Cancer Gene Therapy Proposals Requests

The **Alliance for Cancer Gene Therapy** accepts *Proposals* for research aimed at furthering the development of gene therapy approaches to the treatment of cancer.

- Investigator's Award in Clinical Translation of Anti-Angiogenic Gene Therapy for Cancer: The principle of anti-angiogenic therapy for cancer has been validated recently with the FDA approval of novel medications such as Avastin that are monoclonal antibody based. Because anti-angiogenic therapy is supremely adaptable to novel gene-therapy strategies, the current Request for Applications looks for innovative approaches to achieve this objective. Entering into clinical translation during the funding period is a requirement. The award provides up to a maximum of \$1 million over three to five years, inclusive of a maximum of 10 percent indirect costs.
- Investigator's Award in the Clinical Translation of Gene Therapy for Lung Cancer: The objectives of the current Request for Applications are to support an outstanding research proposal that aims to develop novel gene transfer vectors and/or apply novel therapeutic

genes to threat “metastatic” lung cancer, their validation in appropriate pre-clinical animal models of disease that will be translated into clinical trials in patients. Entering into clinical translation during the funding period is a requirement. The award provides up to a maximum of \$1 million over three to five years, inclusive of a maximum of 10 percent indirect costs.

Applicants must be qualified scientists at the assistant-professor level and above who are working in the field of gene therapy for cancer. Deadline: **Mar. 16**.

WEB LINK. <http://www.acgtfoundation.org/> *The Foundation Center RFP Bulletin, January 27, 2006.*

Directed Stem Cell Differentiation for Cell Based Therapies for Heart, Lung, Blood, and Aging Diseases (SBIR)

The **National Institute of Health** seeks applications for *Directed Stem Cell Differentiation for Cell Based Therapies for Heart, Lung, Blood, and Aging Diseases*. This funding opportunity announcement (FOA) solicits Small Business Innovation Research (SBIR) grant applications to define the factors and mechanisms controlling the differentiation of embryonic or adult stem or progenitor cells, either in vitro or in vivo. It is designed to stimulate new scientific advances in stem cell differentiation including technology research that may not be hypothesis driven. The long range goal of this program is the development of methods to direct the differentiation or development of stem cells along specific cell lineages to yield replacement cells for clinical use, whether the replacement cells are formed in vitro for delivery or formed in vivo in the tissue or organ environment. Budgets up to \$250,000 total costs per year and time periods up to two years may be requested for Phase I grants. Budgets up to \$1 million total costs per year and up to three years may be requested for Phase II. Deadlines: **Apr. 1, Aug. 1, Dec. 1**.

WEB LINK <http://grants.nih.gov/grants/guide/pa-files/PA-06-124.html>. *NIH Guide, January 6, 2006.*

March of Dimes Research Programs

The **March of Dimes** funds several different types of *Research Programs* aimed at preventing birth defects and infant mortality. These programs include basic research into life processes, such as genetics and development; clinical research applied to prevention and treatment of specific birth defects and prematurity; the study of environmental hazards; and research in social and behavioral sciences.

- The *RFP for 2007 Research Program* invites applications for research directed at prevention of birth defects. Research subjects appropriate for support include basic biological processes governing development, genetics, clinical studies, studies of reproductive health, environmental toxicology, and social and behavioral studies. The three-year grants do not cover faculty salaries but do provide salary support for technical help. Applicants may not be recipients of a major grant (R01 or other grant exceeding \$100,000/yr). The grants range from \$32,731 to \$102,476 per year. March of Dimes is interested in Social and Behavioral Sciences applications proposing research that advances understanding of the ability to prevent the cognitive and behavioral risks that affect outcomes of pregnancy, the perinatal period, and subsequent child development. Deadline: **Apr. 30** (letter of intent).
- The *Basil O'Connor Starter Scholar Research Award* is designed to support young scientists just embarking on their independent research careers and is limited, therefore, to those holding recent faculty appointments. The two-year grants do not cover faculty salaries but do provide salary support for technical help. They may not exceed \$75,000 per year. Deadline: **Mar. 15** (letter of nomination).
- The *RFP for new 2007 Prematurity Research Initiative* seeks applications requesting grant support for projects related to causes of prematurity. The proposals need to consider

especially, but not be limited to, genetics, gene-environment interactions, and animal models. The three-year grants do not cover faculty salaries but do provide salary support for technical help. The grants range from \$88,091 to \$165,649. Deadline: **Apr. 15** (letter of intent).

WEB LINK <http://www.marchofdimes.com/professionals/691.asp>

Department of Defense 2006 Prostate Cancer Research Program

The **Department of Defense** invites proposals for the *2006 Prostate Cancer Research Program* to support innovative research directed towards eliminating prostate cancer.

- *Prostate Cancer Research Program Health Disparity Training – Prostate Scholar Award.* The intent of the scholar award is to provide training opportunities focused on prostate cancer disparity for investigators in the early stages of their careers. Appropriate disparity focus areas can include, but are not limited to, race and ethnicity, socioeconomic status, access to health care, insurance status, age, geography, and cultural beliefs. These awards provide primarily salary support and require the active involvement of a mentor who is an established prostate cancer researcher from an appropriate discipline (clinical research, pathology, urology, etc.). The mentor must have a demonstrated record of funding and publications in prostate cancer research. Applicants may apply for Predoctoral, Postdoctoral, or Postresidency Traineeships. Deadline: **Apr. 18**. WEB. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=7850>
- *2006 Prostate Cancer Research Program -- Idea Development Award.* The intent of the PCRCP Idea Development Award is to encourage innovative, high impact approaches to prostate cancer research from prostate cancer investigators and investigators in other fields who want to move into prostate cancer research. The PCRCP seeks proposals from all areas of laboratory, preclinical, behavioral, and epidemiological research, including clinical trials. Important aspects of the award are innovation, impact, preliminary data and applicant experience. Deadline: **Apr. 18**. WEB. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=7851>

WEB LINK <http://cdmrp.army.mil/pcrp/default.htm>

Department of Defense 2006 Neurofibromatosis Research Program Clinical Trial Award

The **Department of Defense** invites applications for the *Neurofibromatosis Research Program Clinical Trial Awards*. The intent of the Clinical Trial Award is to sponsor clinical research with the potential to have a major impact on the treatment and/or management of NF1, NF2, and/or Schwannomatosis. Funding from this award mechanism cannot be used for preclinical research studies. Clinical Trial Awards will support Phase I and Phase II clinical trials (separate discussions are provided below for each type of clinical trial). The CDMRP expects to allot approximately \$3M of the \$17M FY06 NFRP appropriation to fund approximately one or two Clinical Trial Awards, depending on the quality and number of proposals received. Deadline: **Apr. 25**.

WEB LINK. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=7846> *Grant.gov, February 1, 2006.*

Department of Defense 2006 Neurofibromatosis Research Program Concept Award

The **Department of Defense** invites applications for the *Neurofibromatosis Research Program Concept Awards*. The intent of the NFRP Concept Award is to fund the exploration of an initial concept or theory that could give rise to a testable hypothesis. Presentation of preliminary data is not consistent with the intent of this award mechanism. These awards provide investigators with the opportunity to pursue serendipitous observations; it is anticipated that research completed through a Concept Award may provide sufficient preliminary data to enable the investigator to prepare a hypothesis-based proposal for future research. Proposals must

describe how the new concept or theory will enhance existing knowledge of NF1, NF2, and/or Schwannomatosis or create an entirely new avenue for investigation. Concepts from complementary areas of science such as chemistry, biophysics, mathematics, engineering, etc. are encouraged as are research proposals involving consumer–scientist collaborations. Because these awards are designed for preliminary investigations, projects involving human subjects or human biological substances will not be supported through this mechanism unless they are exempt under 32 CFR 219.101(b)(4). Studies that do not qualify for exempt status will be administratively withdrawn and will not be funded. Funding for up to 1 year may be requested for a maximum of \$67,000 for direct costs, plus indirect costs as appropriate. Deadline: **Apr. 25**.

WEB LINK. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=7847> *Grant.gov*, February 1, 2006.

Department of Defense 2006 Neurofibromatosis Research Program New Investigator Award

The **Department of Defense** invites applications for the *Neurofibromatosis Research Program New Investigator Award*. The intent of the New Investigator Award is to help independent investigators at the early stages of their careers to become established NF and/or Schwannomatosis researchers. This award mechanism is open both to investigators with previous training or experience in NF and/or Schwannomatosis research as well as investigators who are new to those fields. Preliminary data are not required. Funding for a New Investigator Award can be requested for a maximum of \$450,000 for direct costs over the performance period. The performance period can be requested for up to 3 years. Indirect costs should be added as appropriate. Deadline: **Apr. 25**.

WEB LINK. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=7853> *Grant.gov*, February 1, 2006.

Department of Defense 2006 Neurofibromatosis Research Program Resource Development Award

The **Department of Defense** invites applications for the *Neurofibromatosis Research Program Resource Development Award*. The award has been established to support product-driven research aimed at developing tools for use by the applicant's laboratory and the NF/Schwannomatosis research community to promote basic research on those disorders. These tools may include, but are not limited to, animal models, antibodies, cell lines, assays, and reagents. The award mechanism is designed to support the development of tools, platforms, and model systems to be used for basic research in NF and/or Schwannomatosis. Investigators interested in developing and/or validating tools, platforms, or model systems specifically for preclinical testing of therapeutics for NF/Schwannomatosis should instead apply for the NFRP FY06 Therapeutic Development Award. Projects involving human subjects or human biological substances will not be supported unless they are exempt under 32 CFR 219.101(b) or qualify for expedited review under 32 CFR 219.110 or 21 CFR 56.110. Studies that do not qualify for exempt status or expedited review will be administratively withdrawn and will not be funded. Funding for a Resource Development Award can be requested for a maximum of \$133,000 for direct costs for up to 2 years. Indirect costs should be added as appropriate. Deadline: **Apr. 25**.

WEB LINK. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=7848> *Grant.gov*, February 1, 2006.

Department of Defense 2006 Neurofibromatosis Research Program Therapeutic Development Award

The **Department of Defense** invites applications for the *Neurofibromatosis Research Program Therapeutic Development Award*. The intent of the Therapeutic Development Award is to sponsor the development of therapeutics and the tools for their evaluation in preclinical model

systems of NF1, NF2, and/or Schwannomatosis. The overall goal of this award mechanism is to accelerate the introduction of improved therapies for NF and Schwannomatosis into the clinical setting by supporting 1) the development of tools or platforms (including animal models) to identify lead agents or assess preclinical efficacy, and/or 2) the generation of the preclinical data necessary to conduct clinical trials after completion of the proposed research. The NFRP is particularly interested in developing coordinated, multidisciplinary, goal/product-driven consortia focused on the development of therapeutics for NF1, NF2, and/or Schwannomatosis. The CDMRP expects to allot approximately \$4M of the \$17M FY06 NFRP appropriation to fund approximately one or two Therapeutic Development Awards. Deadline: **Apr. 25**.

WEB LINK. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=7848> *Grant.gov, February 1, 2006.*

Department of Defense 2006 Tuberos Sclerosis Complex Research Program Concept Award

The **Department of Defense** invites applications for the *2006 Tuberos Sclerosis Complex Research Program Concept Award*. The intent of the award is to fund the exploration of an initial concept or theory that could give rise to a testable hypothesis; and/or the development of novel preclinical tools needed to advance research in tuberous sclerosis complex. Submissions from complementary areas of science such as chemistry, biophysics, mathematics, engineering, etc. are encouraged as are research proposals involving consumer-scientist collaborations. Because these awards are designed for preliminary investigations, projects involving human subjects or human biological substances will not be supported through this mechanism unless they are exempt under 32 CFR 219.101(b)(4). Funding is available for a maximum of \$67,000 for direct costs over a 1-year performance period, plus indirect costs as appropriate. These funds can cover salary, research supplies, and travel to scientific/technical meetings. The CDMRP expects fund approximately 8–9 Concept Awards. Deadline: **Apr. 25**.

WEB LINK. <http://www.grants.gov/search/search.do?mode=VIEW&oppId=7845> *Grants.gov, Feb. 1, 2006.*

Specialized Cooperative Centers Program in Reproduction and Infertility Research (U54)

The **National Institute of Child Health and Human Development (NICHD)** provides funding for a limited number of research centers in the reproductive sciences. These centers provide an arena for multidisciplinary interactions among basic and clinical scientists interested in establishing high quality programs in reproduction and infertility research. The centers will also serve as national resources for the training and career development of new scientists electing to pursue research in high priority areas of reproduction and infertility research. The purpose of this RFA is to announce the annual recompetition of the Specialized Cooperative Centers Program in Reproduction Research now called the Specialized Cooperative Centers Program in Reproduction and Infertility Research. The benefit of this activity will be to the infertile couples, their health-care providers, and the public. The NICHD intends to commit approximately \$6.2 million in total costs in FY 2007 to fund up to four new and/or competing continuation grants in response to this RFA. This RFA will use the NIH Specialized Cooperative Research Center (U54) award mechanism. Deadlines: **Jul. 11** (letter of intent), **Aug. 11** (application).

WEB LINK <http://grants.nih.gov/grants/guide/rfa-files/RFA-HD-06-005.html>. *NIH Guide, January 19, 2006.*

Also see these listings:

- **BWF Career Awards at the Scientific Interface**
- **Interdisciplinary Research Consortium (U54)**
- **Preapplication for Interdisciplinary Research Consortium (X02)**

International Opportunities

NSF International Polar Year Funding Opportunities

The **National Science Foundation** has announced that the *International Polar Year 2007-2008* (IPY) will extend from March 2007 through March 2009. In anticipation of IPY, the Office of Polar Programs (OPP) and the Directorate for Education and Human Resources (EHR) have identified special emphasis areas that will require preparation in advance of IPY. The research emphasis areas are: ice sheet history and dynamics; biological adaptations at the cellular and genomic level to life in extreme cold and prolonged darkness; and the arctic observing network. The educational emphasis areas are formal science education experiences for K-12 teachers and undergraduate or graduate students, informal science education for the broader public, and coordination and communication for IPY education projects. In addition to the educational activities normally integrated into research proposals, the IPY solicitation will consider standalone proposals that specifically address one or more of the focus areas.

A number of NSF programs will respond to proposals for support of IPY activities over the next several years. These are listed on an IPY web page maintained by NSF's Office of Polar Programs (<http://www.nsf.gov/od/opp/ipy/ipyinfo.jsp>). This list will be updated from time to time and should be consulted when considering proposal submissions. NSF anticipates that 20-30 awards will be made from an anticipated funding amount of \$12,000,000. Deadline: **May 1**.

WEB LINK

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=13615&org=NSF&from=fund

Multidisciplinary

BWF Career Awards at the Scientific Interface

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

Nominations for this program are institutionally restricted; if you are interested, please contact Ken Macdonald, Duke ORS, 681-5988 or kwmac@duke.edu. Interested internal applicants should email the following materials to Ken Macdonald (kwmac@duke.edu):

- Letter of support from faculty sponsor. If candidate is a member of an underrepresented minority group eligible for an additional Duke nomination, please indicate this in the letter.
- Curriculum vitae (up to three pages)
- Scientific abstract (one page)
- Statement affirming your citizenship/residency/visa status. For those here on an H1B visa, include the start date of your first H1B, and the end date of your current H1B.

Deadlines: **Mar. 13** (Duke), **May 1** (BWF).

WEB LINK <http://www.bwfund.org/>

Preapplication for Interdisciplinary Research Consortium (X02)

The **National Institutes of Health**, Interdisciplinary Research Implementation Group, invites researchers to submit *Preapplications for the Interdisciplinary Research Consortium (X02)*. As part of the NIH Roadmap, a program to support exploratory centers for interdisciplinary research was initiated in FY2004 and 21 planning awards were funded. This announcement is the beginning of the program for creating full interdisciplinary research consortia. Rather than limit participation in this second program to the funded exploratory centers, any research team will be allowed to apply for an interdisciplinary consortium. The application process will have two parts: submitting a pre-application and then submitting the full interdisciplinary research consortium. Based on a review of the pre-application, some applicants will be invited to submit full applications. This announcement details the first part of the process, submitting a pre-application of the full Consortium application. Details about the application for a full consortium are contained in RFA-RM-06-008. Applicants must read both documents before submitting a pre-application. Deadlines: **Mar. 21** (letter of intent), **Apr. 18** (application)

WEB LINK

Interdisciplinary Research Consortium (U54)

The **National Institutes of Health**, Interdisciplinary Research Implementation Group, will invite applications for *Interdisciplinary Research Consortia* from among those that submit a pre-application in response to PAR-06-122. This RFA with Limited Eligibility for a full consortium is released early to aid those who are writing a pre-application. Only those selected through a peer review of their pre-applications are eligible to apply for a full Interdisciplinary Research Consortium. The purpose of this program is to support interdisciplinary approaches to solving significant and complex biomedical problems, particularly those that have been resistant to traditional approaches. These applications must hold the promise of leading to new research approaches to improving human health. Interdisciplinary consortia are expected to identify an important biomedically relevant problem, evaluate why previous approaches have not worked, justify why the proposed interdisciplinary approach will work, identify the methods that will keep the interdisciplinary team focused and coordinated, and propose a timeline. The NIH Roadmap expects to award \$40 million to Consortia in the first year of this program to fund eight consortia. Each Consortium application can request direct costs of up to \$2.8M in the first year and up to \$3.0M in years 2-5. Each Consortium will be awarded for five years although the components that make up Consortium need not all be five years in length with the exception of the Interdisciplinary Research Consortium (IRC) Coordinating Center U54 component. Depending on the availability of funds and the priorities of the NIH Roadmap, funds may be available to extend the program in FY2012. Deadline: **Dec. 19**.

WEB LINK. <http://grants.gov/search/search.do?mode=VIEW&oppId=7685> *Grants.gov*, January 20, 2006.

Physical Sciences & Engineering

National Institute on Disability and Rehabilitation Research (NIDRR)--Small Business Innovative Research Program (SBIR)

The **Department of Education** seeks applications for the *National Institute on Disability and Rehabilitation Research (NIDRR)--Small Business Innovative Research Program (SBIR)*. The purpose of this program is to stimulate technological innovation in the private sector, strengthen the role of small business in meeting Federal research or research and development needs,

increase the commercial application of Department of Education supported research results, and improve the return on investment from Federally funded research for economic and social benefits to the nation. The estimated number of awards for this program is 15, with an estimated range of awards from \$60,000 - \$75,000. Deadline: **Mar. 13**.

WEB LINK <http://grants.gov/search/search.do?mode=VIEW&oppId=7560>. *Grants.gov, January 10, 2006.*

Camille & Henry Dreyfus New Faculty Awards

The **Camille and Henry Dreyfus Foundation's New Faculty Awards Program** is an opportunity for individuals starting their first tenure-track appointments in departments of chemistry, chemical engineering, or biochemistry in 2005 to secure external research funding. The award program provides an unrestricted grant of \$50 K. Duke as an institution is permitted one nomination. If you are interested, please contact Ken Macdonald, Duke ORS, 681-5988 or kwmac@duke.edu. Deadlines: **Mar. 20** (Duke internal), **May 11** (external).

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

BAA Supporting DARPA Microsystems Technology Electronics, Photonics, Micro-electro-mechanical Systems, Architectures, and Algorithms: Presolicitation Notice

The **Space and Naval Warfare Systems Center**, San Diego, in support of the **Defense Advanced Research Projects Agency (DARPA) Microsystems Technology Office (MTO)** and DoD, seeks proposals for research and development in the following areas: 1) electronics, 2) photonics, 3) micro-electro-mechanical systems, 4) architectures, and 5) algorithms. Proposals for research and development that will support the mission of the MTO to exploit breakthroughs in materials, devices, circuits, and mathematics to develop beyond leading edge components with revolutionary performance and functionality to enable new platform capability for the Department of Defense are specifically included. New technologies and approaches to these issues are particularly encouraged. Additional information on the programs and interests within MTO is available within the DARPA MTO web site (<http://www.darpa.mil/mto>). Proposers are strongly encouraged to submit an initial synopsis/white paper, up to seven pages, inclusive of cover page, as the initial submission. Deadline: **Jan. 8, 2007**.

WEB LINK

<http://www1.fbo.gov/spg/DON/SPAWAR/SPAWARSYSCEN%5FSan%5FDiego/N66001%2D06%2DX%2D2013/listing.html>. *FedBizOpps, January 9, 2006.*

Tactical Capabilities for Battlefield Airman and Security Forces: Presolicitation Notice

The **Munitions Directorate of the Air Force Research Laboratory**, Eglin AFB, FL seeks research proposals in the areas of Wireless Networks and Gateways, Ground Mobile Gateways, Remote Sensing, Tactical Electrical Energy, Micro-Tagging, and Small Uas Testbed Facility. Proposals should describe scientific study and experimentation to increase knowledge and understanding in these areas. Deadline: **Jan. 31, 2007**.

INQUIRIES: MiMi Martin (Contract Specialist) 850/883-2675, mimi.martin@eglin.af.mil; and Brenda Soler (Contracting Officer) 850/883-2680, solerb@eglin.af.mil. WEB. <http://www1.fbo.gov/spg/USAF/AFMC/AFRLERS/MNK%2DBAA%2D06%2D0003/listing.htm> l. *FedBizOpps, January 18, 2006.*

Broad Agency Announcement for Advanced Tactical Vehicles for Battlefield Airman and Security Forces

The **Air Force Research Laboratory (AFRL)**, Munitions Directorate, intends to contract with educational institutions, non-profit organizations, and private industry for research in *Advanced Tactical Vehicles for Special Operations Forces (SOF) and Support Troops*. The AFRL has published a Broad Agency announcement (BAA) to combine rapidly emerging

materials, propulsion technologies, and control systems with new vehicle concepts to extend power and connectivity for tactical level targeting (Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance - C4ISR - functions). Potential areas of interest include design, development, testing, and analysis of stealthy, tactical vehicles for SOF, security and support troops and the materials necessary for building light weight vehicles. Deadline: **Jan. 31, 2007**.

INQUIRY: MiMi Martin (Contract Specialist, 850/883-2675, mimi.martin@eglin.af.mil) and Brenda Soler (Contracting Officer, 850/883-2680, solerb@eglin.af.mil). Deadline: **Jan. 31, 2007**. WEB.

<http://www1.fbo.gov/spg/USAF/AFMC/AFRLERS/MNK%20DBAA%2006%200005/listing.htm>
l. *FedBizOpps*, January 18, 2006.

Broad Agency Announcement for Tactical Network Systems: Presolicitation Notice

The **Munitions Directorate of the Air Force Research Laboratory (AFRL)**, Eglin AFB, FL has published a *BAA for Tactical Network Systems*. The AFRL seeks research proposals in the areas of Wireless Networks and Gateways, Ground Mobile Gateways, and Remote Sensing. Proposals should describe scientific study and experimentation to increase knowledge and understanding in these areas. Deadline: Jan. 31, 2007.

INQUIRY: MiMi Martin (Contract Specialist, 850/883-2675, mimi.martin@eglin.af.mil) and Brenda Soler (Contracting Officer, 850/883-2680, solerb@eglin.af.mil). Deadline: **Jan. 31, 2007**. WEB.

<http://www1.fbo.gov/spg/USAF/AFMC/AFRLERS/MNK%20DBAA%2006%200004/listing.htm>
l. *FedBizOpps*, January 18, 2006.

US Army Corps of Engineers Broad Agency Announcement: Sources Sought

The **US Army Corps of Engineers Research and Development Center** has issued a *Broad Agency Announcement (BAA)* for various research and development topic areas. The ERDC consists of the Coastal and Hydraulics Lab (CHL), the Geotechnical and Structures Lab (GSL), the Environmental Lab (EL) and the Information Technology Lab (ITL) in Vicksburg, Mississippi; the Cold Regions Research and Engineering Lab (CRREL) in Hanover, New Hampshire; the Construction Engineering Research Lab (CERL) in Champaign, Illinois; and the Topographic Engineering Center (TEC) in Alexandria, Virginia. The ERDC is responsible for conducting research in the broad fields of hydraulics, dredging, coastal engineering, instrumentation, oceanography, remote sensing, geotechnical engineering, earthquake engineering, soil effects, vehicle mobility, self-contained munitions, military engineering, geophysics, pavements, protective structures, aquatic plants, water quality, dredged material, treatment of hazardous waste, wetlands, physical/mechanical/ chemical properties of snow and other frozen precipitation, infrastructure and environmental issues for installations, computer science, telecommunications management, energy, facilities maintenance, materials and structures, engineering processes, environmental processes, land and heritage conservation, and ecological processes. The BAA is available at

<http://www.mvk.usace.army.mil/contract/docs/FY2006BAA1.pdf>. Deadline: **Jan. 12, 2010**.

WEB LINK

<http://www1.fbo.gov/spg/USA/COE/DACA38/W912HZ%2006%2DR%20001A/listing.html>.
FedBizOpps, January 12, 2006.

Also see these listings:

- **Duke University - Chandran Research Awards in Molecular Imaging in Neuro-Oncology**
- **BWF Career Awards at the Scientific Interface**

- **NSF Mathematical Social and Behavioral Sciences Program**

Postdoctoral Opportunities

- **American Diabetes Association** -- *Mentor-Based Postdoctoral Fellowship Program*.
Deadline: **Jul. 15**. <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**.
<http://www.ors.duke.edu/find/student/pdoc/pdochumsoc.html#fleishman>
- **Society for the History of Technology** -- *Brooke Hindle Postdoctoral Fellowship*.
Deadline: **Apr. 1**. <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: **Mar. 31**.
<http://www.ors.duke.edu/find/student/pdoc/pdochumsoc.html#spssi>

Also see these listings:

- **BWF Career Awards at the Scientific Interface**
- **Duke Sigma Xi Grants for Graduate Students and Postdoctoral Fellows**

Social Sciences

Spring 2006 Solicited Grant Competition Grant Program

The **United States Institute of Peace** announces its upcoming *Spring 2006 Solicited Grant Competition*. The Solicited Grant competition is restricted to projects that fit specific themes and topics identified in advance by the Institute of Peace. The themes and topics for the Spring 2006 Solicited competition are: 1) Promoting Private Sector Economic Recovery in Countries Emerging from Violent Conflict and 2) Electoral Politics and Islamic Political Parties and Groups in Muslim Majority Countries. An average Institute grant is \$45,000. Deadline: **Mar. 1**.

WEB LINK

<http://a257.g.akamaitech.net/7/257/2422/01jan20061800/edocket.access.gpo.gov/2006/06-408.htm>. *Federal Register*, January 18, 2006.

Spring 2006 Unsolicited Grant Competition Grant Program

The **United States Institute of Peace** announces its upcoming unsolicited *Spring 2006 Grant Program*, which offers support for research, education and training, and the dissemination of information on international peace and conflict resolution. The Unsolicited competition is open to any project that falls within the Institute's broad mandate of international conflict resolution. An average Institute grant is \$45,000. Deadline: **Mar. 1**.

WEB LINK

<http://a257.g.akamaitech.net/7/257/2422/01jan20061800/edocket.access.gpo.gov/2006/06-407.htm>. *Federal Register*, January 18, 2006.

Research on the Commercial Sexual Exploitation of Children and Youth

The **Office of Juvenile Justice Delinquency Prevention** requests proposals to study the *Commercial Sexual Exploitation of Children and Youth* in the US. Sample topics may include

(but are not limited to):

- Incidence and prevalence of victimization.
- Pathways to victimization.
- Characteristics of victims and offenders.
- Resiliency factors that help youth overcome risky or exploitative situations.
- The needs of exploited youth exiting exploitative situations.
- Evaluating promising programs and practices to prevent CSEC.
- Exploitation of boys and/or girls.
- Exploitation of children/youth of different age groups.

Deadline: **Mar. 21.**

WEB LINK <http://grants.gov/search/search.do?mode=VIEW&oppId=7671>. *Grants.gov*, January 19, 2006.

NSF Mathematical Social and Behavioral Sciences Program

The **National Science Foundation** (NSF) invites submission of research proposals to the *Mathematical Social and Behavioral Sciences* program. The proposed projects should 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 and/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, and/or economic scientists with mathematicians and/or statisticians also are welcome. NSF anticipates that most awards will range in duration from one to four years and have total award sizes ranging from \$150,000 to \$650,000. For facilitation activities, awards may have durations of one to two years and have total award sizes of up to \$100,000. NSF estimates funding 9 to 18 standard grants consisting of 8 to 15 research awards and 1 to 3 facilitation awards. The anticipated funding amount is \$4.5 million for new awards, subject to availability of funds. Deadline: **Apr. 20.**

WEB LINK <http://nsf.gov/pubs/2006/nsf06531/nsf06531.htm>.

NSF Social Psychology Program

The **National Science Foundation** invites applications for the *Social Psychology Program*. The program supports basic research on human social behavior, including cultural differences and development over the life span. Among the many research topics supported are: attitude formation and change, social cognition, personality processes, interpersonal relations and group processes, the self, emotion, social comparison and social influence, and the psychophysiological and neurophysiological bases of social behavior. The scientific merit of a proposal depends on four important factors: (1) The problems investigated must be theoretically grounded. (2) The research should be based on empirical observation or be subject to empirical validation. (3) The research design must be appropriate to the questions asked. (4) The proposed research must advance basic understanding of social behavior. Deadlines: **Jul. 15 2006; Jan. 15, 2007.**

WEB LINK <http://grants.gov/search/search.do?mode=VIEW&oppId=7632>. *Grants.gov*, January 18, 2006.

Also see these listings:

- **Robert Wood Johnson Foundation Call for Proposals -- Finding Answers: Disparities Research for Change**

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:

Carolyn Turner -- carolyn.strong.turner@duke.edu, 681-8693

Ken Macdonald -- kwmac@duke.edu, 681-5988

Trish McMillan -- trish.mcmillan@duke.edu, 681-8925

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

Mary Carnell -- carne007@mc.duke.edu, 668 6354

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Questions or comments about the newsletter and/or the email list should be directed to the Funding Alert editor, Carolyn Strong Turner at carolyn.strong.turner@duke.edu or funding-alert-owner@duke.edu