



Office of Research and Sponsored Programs

Newsletter

January, 2007

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ANNOUNCEMENTS

Grantsmanship Training Conference

The Grantsmanship Center's signature *Grantsmanship Training Program* is coming to **Miami, Florida, March 3-7, 2008**. This is a comprehensive, hands-on workshop that covers the whole grant development process, from researching funding sources to writing and reviewing grant proposals. More than 100,000 nonprofit and government personnel have attended this fast-paced, five-day workshop, which is followed with a full year of membership support services.

During this workshop, participants learn The Grantsmanship Center's proposal-writing format, the most widely used in the world. In addition to practicing advanced techniques for pursuing government, foundation, and corporate grants, participants work in small teams to develop and then review real grant proposals.

Participants exit the class equipped with new skills, new professional connections, and follow-up support services for one year, including professional proposal review, access to The Grantsmanship Center's exclusive online funding databases, and an array of other benefits. Many also leave with proposals that are ready to polish and submit.

Tuition for the *Grantsmanship Training Program* is \$875 (\$825 for each additional registrant from the same organization).

ORSP would like to help you attend this workshop by paying your registration and travel expenses. Please contact Dr. Thomas Roberts at troberts@fgcu.edu.

NIDA Workshop: Short Course on the Genetics and Epigenetics of Addiction

The National Institute on Drug Abuse (NIDA) is pleased to announce **A Short Course on the Genetics and Epigenetics of Addiction** to provide comprehensive and hands-on training in genetics and epigenetic methodology. The course will be held from Monday, March 31 – Friday, April 4, 2008, at the Bethesda North Marriott Hotel and Conference Center, 5701 Marinelli Road, Bethesda, MD 20852.

Purpose of the Course: The purpose of the course is to provide an introduction to approaches and tools for identifying genes that confer vulnerability to addiction and individual differences in responses to treatments. The course is targeted to those who are new to the field of addiction genetics. The course will be held over 5 days with lectures and hands-on demonstrations given each day. Participants will gain familiarity with conceptual and practical approaches to complex disorders using relevant genetic and epigenetic databases, and appropriate statistical and empirical approaches.

Topics to be covered: Behavioral genetics, genetic epidemiology, twin and adoption studies, statistical genetic concepts and approaches for mapping complex traits, haplotype based approaches for association mapping, genome-wide scans for addictive disorders, application of linkage for mapping genes and genetic loci for addictive disorders, pharmacogenomics of treatment of addictive disorders, Bayesian Methods for identifying gene-gene interactions, analysis of copy number variation, practical use of genetic databases, mapping of complex traits

in mice, methods for analyzing gene expression, and methods for doing epigenetic analysis will be covered. Please see draft agenda for further details.

The course is limited to 50 students. Those accepted into the course are expected to cover their travel, lodging (\$201.00 per day plus taxes), and lunch and dinner costs. Additionally there will be a \$50 conference fee to participate. The hotel will provide a continental breakfast at no additional charge.

How to Apply: Applicants eligible for applying to this course are graduate students, post-docs, and PIs who are seeking a new direction in their research program to employ genetics and epigenetic methodologies to the problems of addiction. Interested applicants should complete and send (1) the attached application form, (2) a current CV, and (3) a one-paragraph statement explaining their interest in, and rationale and need for participating in this course to Ms. Amina Ari at aari@sei2003.com. Applicants will be accepted on a rolling basis with a final deadline of January 31, 2008. All decisions regarding acceptance to participate in the course will be made no later than February 21, 2008.

For More information, please contact Jonathan D. Pollock, Ph.D., Chief, Genetics and Molecular Neurobiology Research Branch
Division of Basic Neuroscience and Behavioral Research
6001 Executive Blvd
Bethesda, MD 20892
tel. 301-435-1309
fax. 301-594-6043
email. jpollock@mail.nih.gov

ORSP would like to help you attend this workshop by paying up to \$1,000 of your expenses. Please contact Dr. Thomas Roberts at troberts@fgcu.edu.

ORSP Website

The Office of Research and Sponsored Programs offers a multitude of services to assist you in the preparation and submission of grant applications. The ORSP's website at <http://www.fgcu.edu/orsp> provides easy access to the forms, announcements, and other useful materials pertaining to research and sponsored programs at FGCU. We would like to include links to websites associated with the many externally funded projects currently active. Send the URLs to dstremke@fgcu.edu and the link will be added to ORSP's site.

Have You Completed Your GENIUS/SMARTS Profile in Info Ed?

In order to process your proposals, ORSP needs a GENIUS/SMARTS investigator profile on file in our web-based database system. To edit a Genius profile, use an on-campus computer and go to <http://fgcu-mako.primary.ad.fgcu.edu/>. Click on "Login"; then on "Profile"; and proceed to edit the information contained in your profile. Please select keywords that describe your research interests. For further assistance or if you any questions about these InfoEd products please contact Lucia Soria at asoria@fgcu.edu.

[Find Funding at Your Convenience](#)

If you have a GENIUS/SMARTS profile, you can search InfoEd's SPIN Plus from any on-campus computer to find funding. Call Lucia in the ORSP office at ext.7020 to send you instructions. You can also search the Grants.gov web site for all federal funding opportunities. See www.grants.gov.

[ORSP Program: Student Travel Awards](#)

The Office of Research and Sponsored Programs supports enrolled FGCU students by providing funds on a first-come, first-serve basis so they can present their scholarly works at conferences. ORSP staff will assist the students with the necessary paperwork, both before and after the travel. Within 30 days of travel completion, all awardees are required to submit a one-page report to ORSP describing the benefit of the award and the overall experience. Awardees will be required to participate in the ORSP Research Day event on April 20, 2007. See the complete guidelines and application form at: <http://www.fgcu.edu/orsp/internalPrograms.html>

[ORSP Program: Faculty Travel Awards](#)

The Office of Research and Sponsored Programs provides travel awards up to \$1,000 for faculty to attend technical workshops or other related activity that may lead to new funding from external sources. The travel must be for the purpose of increasing chances of obtaining a grant and a proposal must be submitted through ORSP as a result of the travel. The application package consists of the following items: a 50-100 word abstract of the proposed project; information regarding the technical workshop or the specific purpose of the trip; and an estimated budget for travel expenses. Complete guidelines and application are available from ORSP's office and the web page at: <http://www.fgcu.edu/orsp/internalPrograms.html>

[Grants.gov at FGCU](#)

The Federal government requires most grants to be submitted through Grants.gov. ORSP has completed the credential process and is accustomed to using Grants.gov on a regular basis. For your convenience, the Grants.gov instructions are located on the marlin_share drive/Research and Sp Prog/Grants.gov. The Grants.gov icon is shown next to this month's Funding Announcements that require this submission process.



If you wish to apply for a grant, ORSP will send you the instruction manual and the downloaded application forms with the institutional information already entered. Please contact Beth Rieger at brieger@fgcu.edu to assist you in setting up your budget and completing your proposal/application package. If ORSP has assisted you with creating our Internal Budget, we will enter the budget information into the sponsor's budget form for you and provide you with a copy to assist you in preparing the budget justification.

ORSP needs to receive your completed proposal package **three business days** before the submission deadline. We ensure all the required forms are attached and that your proposal is compliant with the specifications outlined in the RFP/RFA. Remember that additional forms, releases, and contracts may be required so make sure you allow enough time for these documents to be prepared. If ORSP receives the completed proposal with less than the two business days' lead time, we cannot guarantee that the proposal will be submitted.

Council on Undergraduate Research

The Council on Undergraduate Research (CUR) and its affiliated colleges, universities, and individuals share a focus on providing undergraduate research opportunities for faculty and students at predominantly undergraduate institutions. CUR has initiated a Registry of Undergraduate Researchers to facilitate matchmaking between undergraduates with research experience and a desire to pursue an advanced degree, and graduate schools seeking high quality students who are well prepared for research. The Registry is open to students and graduate schools/employers in the fields of Astronomy, Chemistry, Biochemistry, Biology, Physics, Mathematics, Computer Science, Geosciences, Engineering, Psychology, Sociology, and Anthropology/Archaeology. The registry is free of charge to students. <http://www.cur.org>

CONGRATULATIONS

Awards during December 2007

College of Arts and Sciences			
FITCH, John	Bonita Springs Area Housing Development Corporation	Green Sustainable Designs for Affordable Housing in Bonita Springs (Part of the Sustaining Tomorrow, Today Project)	\$ 5,000.00
WILSON, Jo Ann Dubetz, Terry	American Honda Foundation	Girls in Engineering, Math, and Sciences (GEMS)	\$50,410.00
FUGATE, David	South Florida Water Management District	Dynamics of the Estuarine Turbidity Maximum (ETM) in the Caloosahatchee River and Estuary (CRE)	\$25,222.00
Student Affairs			
DOYLE, Cathy	District School Board of Collier County	Collier County Services for Scholar's Club 2007-2008	\$10,000.00
DOYLE, Cathy	Lee County Public Education Center	Lee Co.-Services to Scholars Club 2007-2008	\$25,000.00

Submitted Proposals during December 2007

College of Education			
WACHHOLZ, Patricia Christensen, Lois	National Writing Project	National Writing Project at FGCU 08-09	\$93,154.00
College of Arts and Sciences			
DUKE, Donald	University of South Florida	NSF EFRI-RESIN Urban Water Management	\$36,386.00
DUKE, Donald	Charlotte Harbor National Estuary Program	Improving Water Quality Management with Uncertainty Analysis of Nutrient Load Models for the Caloosahatchee River	\$56,818.00
GOGATE, Lakshmi	March of Dimes Birth Defects Foundation	A Longitudinal Study of Preterm and Full-Term Infants' Perception and Attention to Word-Object Pairings and Later Word Learning	\$99,651.00
CEILLEY, David Everham, Win	Lee County & West Coast Upland Navigation District	Tape Grass Restoration Feasibility Study: Non-tidal Freshwater Habitats of the Caloosahatchee River	\$10,000.00
College of Health Professions			
POLK, Marydelle	HRSA	Advanced Education Nursing Traineeship 2008-09	\$536,800.00
MCFARLAND, Renee Metzger, Nancy	Susan G. Komen for the Cure SWFL	BSE: Better Start Early	\$29,879.00
College of Business			
CSAVINA, Kristine	University of South Florida	Biomechanical Evaluation of a C-Leg Knee	\$38,740.00
RODRIGUEZ, Walter	Florida Board of Governors	FGCU-FIT-UCF Collaboration Software Center of Excellence: Collaborator: Research, Development and Commercialization of Ubiquitous Collaboration Technologies	\$4,443,580.00
Academic Media and Technology Services			
DAVEY, Kathleen	TPT - Twin Cities Public Television	Shining a Light on Depression	\$7,500.00

Correction to December Submitted Proposal:

The December issue listed incorrect co-PIs and an incorrect requested amount for the BUDS in STEM Education proposal. We apologize for this error.

Whitaker Center for Science, Math and Technology			
SCHMIDT, Diane Savarese, Michael Lindsey, Charles Cooper, Susan	Florida Department of Education	BUDS in STEM Education	\$8,000,000.00

FUNDING OPPORTUNITIES

ARTS AND HUMANITIES

The Andy Warhol Foundation for the Visual Arts Grants

Grants are made on a project basis to curatorial programs at museums, artists' organizations and other cultural institutions to originate innovative and scholarly presentations of contemporary visual arts. Projects may include exhibitions, catalogues and other organizational activities directly related to these areas.

The program also supports the creation of new work through re-granting initiatives and artist-in-residence programs. The work of choreographers and performing artists occasionally is funded when the visual arts are an inherent element of a production. The Foundation also supports efforts to strengthen areas that directly affect the context in which artists work -- such as freedom of artistic expression and equitable access to resources.

Past grants have ranged from \$30,000 to \$100,000.

Deadline: March 1st, 2008

<http://www.warholfoundation.org/guidelns.htm>

Florida Humanities Council Major Grants

The Florida Humanities Council seeks grant applications that bring humanities scholars together with the general public to explore topics and issues of concern to Floridians. FHC is particularly interested in supporting projects that stimulate meaningful community dialogue, attract diverse audiences and encourage discovery of the humanities in interesting and exciting ways. Projects must be centered on one or more of the humanities disciplines: philosophy, ethics, comparative religion, history, art criticism, jurisprudence, literature, languages, linguistics, archeology, cultural anthropology, and folk life. Scholars from the appropriate discipline(s) should be engaged to bring critical thinking and interpretation to the topic of the program.

This grant category includes all requests for more than \$2,000 per grant, with an upper limit of \$25,000 per grant.

Any non-profit organization may apply for a major grant to hold a public program on any humanities topic. In the past, grants have been awarded to libraries, civic groups, universities, colleges, museums, historical societies, theaters, churches, and ad hoc groups such as Friends of the Library.

Projects may employ a variety of formats: workshops, lecture/discussion series, symposia, reading/discussion groups, historical dramatizations, interpretive exhibits, multi-media, etc.

A special request for proposals has been issued for projects dealing with Florida and the Caribbean: Historical Ties and Cultural Connections. This RFP may apply to Mini, Partnership

or Major grants. Priority consideration will be given to grants responding to this initiative. Projects must be completed and funds expended by March 31, 2009.

The funding process is competitive, with applications considered for funding three times a year. Major grant proposals will be required to supply 100% sponsor match, in cash and/or in-kind.

Interested applicants are strongly encouraged to contact the Grants Director to discuss the project. Staff members will discuss projects with applicants in the preliminary stages and offer advice to strengthen the grant application.

**Deadlines: Preliminary applications--February 20, July 15 and November 10, 2008.
Final applications--March 20, August 15 and December 10, 2008.**

http://www.flahum.org/index.cfm/fuseaction/Grants.Appl_Major

NEA Literature Fellowships: Poetry

Fellowships in poetry are available to exceptionally talented, published creative writers. Fellowships enable recipients to set aside time for writing, research, travel, and general career advancement. Applicants are eligible to apply in Poetry if, between January 1, 2001, and March 3, 2008, they have had published:

- A volume of 48 or more pages of poetry; or
- Twenty or more different poems or pages of poetry in five or more literary journals, anthologies, or publications which regularly include poetry as a portion of their format. Up to 16 poems may be in a single volume of poetry of fewer than 48 pages. This volume, however, may count as only one of the required five places of publication.

Applicants may use online publications to establish up to fifty percent of their eligibility, provided that such publications have competitive selection processes and stated editorial policies. Applicants must be citizens or permanent residents of the United States. An individual may submit only one application per year.

Deadline: **MARCH 3, 2008 (postmark)**. Applicants should not expect notification of awards and rejections before late December 2008. The Arts Endowment's support of a fellowship may begin any time between January 1, 2009, and January 1, 2010, and extend for up to two years. Grant awards will be up to \$25,000 per year.

<http://www.arts.endow.gov/grants/apply/Lit/index.html>

ASTRONOMY

2008 Space Research & Education Grant Program

The purpose of the Space Research and Education Grant Program is to support the expansion and diversification of Florida's aerospace industry by increasing statewide academic involvement in space research, technology development, engineering, education and training programs that are consistent with the state's space industry priorities.

Funding is intended to support research that will: (a) compete for larger sponsored research awards; (b) attract and leverage other federal or industry funding; (c) produce technologies that lead to commercial opportunities; (d) promote Florida leadership in emerging aerospace technologies; and/or (e) address workforce development issues and/or (f) in other ways enhance the technological competitiveness of Florida universities and space industry. Grants are intended for faculty researchers from Florida's public and private universities and community colleges. Other non-academic organizations are also eligible to receive grant awards, especially if their proposed projects include Florida academic involvement.

Grants will be awarded within the following three broad categories:

- **Spaceport Exploration and Spaceport Technology Development** - Approximate budget of \$150,000; maximum estimated grant award of up to \$25,000; estimate of 6-8 grants to be awarded.
- **Space-Based Research & Payload Development** - Approximate budget of \$150,000; maximum estimated grant award of up to \$25,000; estimate of 6-7 grants to be awarded.
- **Space Education & Training Programs** - Approximate budget of \$50,000; maximum estimated grant award of up to \$12,500; estimate of 4-5 grants to be awarded.

**Deadlines: Notice of Intent to apply and an Abstract -- January 31, 2008.
Full proposals -- March 7, 2008.**

<http://fsgc.engr.ucf.edu/programs/fsregp/rfp.html>

Space Grant Fellowship Program

This program aims to provide a prestigious instrument to reward and attract the best and the brightest of US citizens to space related masters and doctoral studies and careers. It also aims to enhance cooperation among FSGC-affiliated university faculty and peers in the industry, government and private laboratories. Faculty from FSGC-affiliated universities are invited to nominate U.S. citizen students admitted to their masters or doctoral programs.

Each Fellow will receive an AY fellowship stipend of \$20,000 for full-time or doctoral study and \$12,000 for full time masters study. The award shall be for a period of up to three years for doctoral students and up to 2 years for Masters students.

University cost-sharing or supplement is strongly encouraged, but not required. Ten percent of the evaluation will take into account the amount of matching (2% will be added to the reviewers evaluation score for every \$1,000 matching, up to a maximum of 10%).

Deadline: March 7th, 2008

<http://fsgc.engr.ucf.edu/programs/fellowships/rfp.html>

NASA Internship

FSGC will support 2 to 3 students from Florida universities and colleges for the 2008 NASA Academy program. Please go to the following website for the on-line application.

<https://university.gsfc.nasa.gov/application/>

BIOLOGY/CHEMISTRY/MATH

2010 Project



The Directorate for Biological Sciences (BIO) of the National Science Foundation (NSF) announces its intention to continue support of research to determine the functions of all genes in the model plant *Arabidopsis thaliana* by the year 2010. Individual investigators or groups of investigators will be supported to conduct creative and innovative, genome-wide or systems-level research designed to determine, using all available means, the functions of *Arabidopsis* genes.

This year, as in FY 2007, the Program will focus on:

- (1) research on exemplary networks using high throughput methods and integrating modeling with experimental data to understand the gene circuitry underlying basic plant processes;
- (2) projects that will develop experimental and computational methods, tools, and resources for enabling a broad community of scientists to conduct functional genomics research on *Arabidopsis*; and
- (3) projects to perform genome-wide analyses of the gene function.

NSF recognizes that many projects will encompass two or more of these emphases. For example, projects that undertake genome-wide analyses of gene function may also develop new methods, resources and/or computational tools. In all projects, high throughput and cost-effective approaches will be encouraged. Although the areas listed above are the focus of the FY 2008 competition, all imaginative and innovative proposals will be considered as long as they are justified on the basis of the goal of the 2010 Project.

In addition to research, this Program will support workshops, summer courses and other outreach/training activities designed to educate and train a broad community of scientists and students in unique scientific opportunities and approaches afforded by the 2010 Project.

International collaboration: The 2010 Project encourages laboratory-to-laboratory interactions between U.S. and foreign laboratories whenever such opportunities exist. NSF 2010 Project funds may be requested to support foreign investigators and students to work in U.S. laboratories and for U.S. investigators and students to work in international laboratories. However, foreign counterparts should secure support for their projects from their own national programs.

It is anticipated that approximately \$10 million will be made available for an estimated 12 new awards in FY 2008. Awards are expected to range up to a total of \$5 million for up to 4 years. However, the award duration for proposals to build community resources may not exceed 3 years.

Deadline: JANUARY 21, 2008.

<http://www.nsf.gov/pubs/2007/nsf07591/nsf07591.htm>

Assembling the Tree of Life

A flood of new information, from whole-genome sequences to detailed structural information to inventories of earth's biota to greater appreciation of the importance of lateral gene transfer, is transforming 21st century biology. Along with comparative data on morphology, fossils, development, behavior, and interactions of all forms of life on earth, these new data streams make even more critical the need for an organizing framework for information retrieval, analysis, and prediction. Phylogeny, the genealogical map for all lineages of life on earth, provides an overall framework to facilitate information retrieval and biological prediction.



Currently, single investigators or small teams of researchers are studying the evolutionary pathways of heredity usually concentrating on taxonomic groups of modest size. Assembly of a framework phylogeny, or Tree of Life, for all 1.7 million described species requires a greatly magnified effort, often involving large teams working across institutions and disciplines. This is the overall goal of the Assembling the Tree of Life activity.

The National Science Foundation announces its intention to continue support of creative and innovative research that will resolve evolutionary relationships for large groups of organisms throughout the history of life. Investigators also will be supported for projects in data acquisition, analysis, algorithm development and dissemination in computational phylogenetics and phyloinformatics.

Projects for Assembling the Tree of Life are expected to be ambitious, large scale, and when appropriate to involve multiple investigators from multiple disciplines, likely from multiple organizations, and to include training, outreach, and dissemination components. Tree of Life projects that are taxon-oriented will focus on phylogenetic resolution of large lineages or clades; this taxon focus is not intended to deflect interest in and attention to theoretical or analytical issues, particularly when the clade under study raises critical questions about the suitability or power of current phylogenetic methods of analysis, such as complexities caused by reticulate evolution and lateral gene transfer. In addition to hypothesis-driven work, Tree of Life projects may also be method or theory-oriented, in which case they will address major analytical or computational problems in phylogenetic research and phyloinformatics.

Three to six awards are anticipated in FY 2008, made as standard or continuing grants, from the anticipated \$12 million in FY 2008 available to the program. Each award, whether single-institution or collaborative project, may range up to \$3 million total, for durations up to five years.

Deadline: **MARCH 14, 2008.**

<http://www.nsf.gov/pubs/2008/nsf08515/nsf08515.htm>

Chemistry Research Experiences for Undergraduates

The Research Experiences for Undergraduates (REU) program supports active research participation by undergraduate students in any of the areas of research funded by the National Science Foundation. The NSF Division of Chemistry funds about 20-25



REU Sites a year (depending on the availability of funds) as part of the NSF-wide REU activity. Projects involve students in meaningful ways in ongoing research programs or in research projects specifically designed for the REU program.

The REU program features two mechanisms for support of student research: (1) *REU Sites* are based on independent proposals to initiate and conduct projects that engage a number of students in research. REU Sites may be based in a single discipline or academic department, or on interdisciplinary or multi-department research opportunities with a coherent intellectual theme. Proposals with an international dimension are welcome. A partnership with the Department of Defense supports REU Sites in DoD-relevant research areas. (2) *REU Supplements* may be requested for ongoing NSF-funded research projects or may be included as a component of proposals for new or renewal NSF grants or cooperative agreements.

For more detailed information on the NSF-wide REU program, please see the REU program solicitation: [NSF 07-569](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503210)

Deadline: August 18, 2008

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503210

[Workforce Program in the Mathematical Sciences](#)

The long-range goal of the DMS Workforce Program is to increase the number of well-prepared U.S. citizens, nationals, and permanent residents who successfully pursue careers in the mathematical sciences and in other NSF-supported disciplines.



Among intermediate goals to this end are improvements in recruitment, retention, education, and placement of trainees in the mathematical sciences.

The program's primary interest is in activities centered on education through research involvement for trainees at the undergraduate through postdoctoral educational levels. Activities that broaden participation in the mathematical sciences are of significant interest to the Division of Mathematical Sciences.

The program is particularly interested in activities that improve:

- recruitment and retention: increasing the number and diversity of U.S. students who successfully pursue undergraduate and graduate degrees in mathematics and statistics;
- educational breadth: broadening graduate education and undergraduate education content in the mathematical sciences to prepare students for a wider range of career opportunities; and
- professional development: enhancing the professional skills of mathematical sciences postdoctoral associates, graduate students, and undergraduate students to better prepare them for both academic and nonacademic employment.

The program welcomes unsolicited proposals for activities that address the program goals in innovative and creative ways. Proposals must clearly identify:

- the goals to be achieved;
- the specific new activities to be conducted, the way in which these address the goals, and the way in which the activities significantly differ from or enhance common practice;
- measurable proposed outcomes for the project;
- specific methods for evaluation of the success of the activity and for assessment of progress toward the goals to be achieved, and
- a budget commensurate with the proposed activity.

The program particularly seeks unsolicited proposals for activities that are:

- novel and potentially transformative, in that they promise extraordinary outcomes;
- portable, in the sense that they potentially can be duplicated at other institutions;
- sustainable, meaning that the activity can be continued in the absence of external funding;
- likely to have large impact in terms of the numbers of trainees affected; and
- exemplary, in that they can serve as national models for education through research involvement.

Proposers are advised to contact one of the cognizant program directors prior to submitting a proposal. The program has an annual submission window for unsolicited proposals of May 15 through June 15. (Unsolicited proposals received at other times will be returned without review.)

The Workforce Program also administers several more structured training activities, proposals for which are submitted in response to specific solicitations:

1. Enhancing the Mathematical Sciences Workforce in the 21st Century ([EMSW21](#)), which comprises
 - a. Vertical Integration of Research and Education (VIGRE)
 - b. Research Training Groups (RTG)
 - c. Mentoring through Critical Transition Points (MCTP)
2. Mathematical Sciences Postdoctoral Research Fellowships ([MSPRF](#))
3. Research Experiences for Undergraduates Sites ([REU](#))
4. Interdisciplinary Training for Undergraduates in Biological and Mathematical Sciences ([UBM](#))
5. Computational Science Training for Undergraduates in the Mathematical Sciences ([CSUMS](#))

Please note that the deadline dates for submission of proposals in response to these specific solicitations differ from the submission-window dates for unsolicited proposals.

In addition to the Intellectual Merit and Broader Impacts merit review criteria, NSF staff will give careful consideration to the following in making funding decisions:

Integration of Research and Education

One of the principal strategies in support of NSF's goals is to foster integration of research and education through the programs, projects, and activities it supports at academic and research institutions. These institutions provide abundant opportunities where individuals may concurrently assume responsibilities as researchers, educators, and students and where all can engage in joint efforts that infuse education with the excitement of discovery and enrich research through the diversity of learning perspectives.

Integrating Diversity into NSF Programs, Projects, and Activities

Broadening opportunities and enabling the participation of all citizens -- women and men, underrepresented minorities, and persons with disabilities -- is essential to the health and vitality of science and engineering. NSF is committed to this principle of diversity and deems it central to the programs, projects, and activities it considers and supports.

Full Proposal Window: May 15, 2008 - June 15, 2008

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503233

COMPUTER SCIENCES AND ENGINEERING

Collaborative Research in Computational Neuroscience

Computational neuroscience provides a theoretical foundation and a rich set of technical approaches for understanding the functions of complex neurobiological systems, building on the theory, methods, and findings of computer science, neuroscience, and numerous other disciplines. Through the CRCNS program, participating NSF Directorates and NIH Institutes support innovative interdisciplinary collaborative research to make significant advances in the understanding of nervous system function, mechanisms underlying nervous system disorders, and computational strategies used by the nervous system.



Research and research communities supported by the National Science Foundation (NSF) in computer science and engineering, the biological, behavioral, cognitive, physical, and mathematical sciences; and by the National Institutes of Health (NIH) in biological, biomedical, and bioengineering fields make computational neuroscience an area where cooperation between the two agencies is appropriate and essential. Through the Collaborative Research in Computational Neuroscience (CRCNS) program, participating NSF Directorates and NIH Institutes support innovative interdisciplinary research that takes advantage of complementary collaborative expertise to make significant advances in the understanding of nervous system function, mechanisms underlying nervous system disorders, and computational strategies used by the nervous system.

Computational research supported under this program must have impact on and relate to biological processes, and should lead to hypotheses that are testable in biological studies. It is expected that: (1) proposals should include collaborations among computational and/or modeling experts, theorists, and experimental neuroscientists; (2) collaboration should involve a dynamic and possibly protracted period of model or theory development and refinement, and intense interactions among scientists and engineers from different disciplines; and (3) the development

and testing of new models or theories should provide a framework for the design of experiments and the generation of new hypotheses that can help reveal mechanisms underlying normal or diseased states of the nervous system.

This program emphasizes innovative research approaches, encouraging the application and development of state-of-the-art computational tools by theoreticians, computational scientists, engineers, mathematicians, and statisticians to tackle dynamic and complex neuroscience problems. Research activities and computational approaches are supported at all levels of organization including molecular, cellular, systems, behavioral, and theory-based development studies. The following list of examples illustrates some areas of research that are appropriate under this solicitation. This list is not intended to be exhaustive or exclusive.

- Develop explanatory, predictive and informative models and simulations of normal and abnormal functions of the nervous system and related disorders.
- Develop and improve mathematical, statistical and other quantitative analyses of research related to molecular, cellular, systems, behavioral and/or cognitive neuroscience.
- Develop theoretical and computational approaches to delineate and understand the functions of neural circuits.
- Develop theoretical and computational approaches that relate nervous system processes to learning algorithms, probabilistic representations, estimation, prediction, and inference.
- Develop and improve algorithms for designing experiments and analyzing data related to structural and functional brain mapping technologies.
- Develop and improve algorithms for designing experiments and analyzing data related to normal biological rhythms and time courses of pathophysiological processes.
- Develop novel theoretical and computational methods that can be applied across multiple areas of neuroscience research.
- Develop multi-scale models that span across time, space or state-space to understand and predict processes and behavior in neuroscience.
- Develop methods to integrate across large-scale multi-modal neuroscience data.
- Develop novel theoretical and computational methods that can have realizable clinical applications in neuroscience.

Innovative educational and training opportunities are highly encouraged, to develop research capacity in computational neuroscience, to broaden participation in research and education, and to increase the impact of computational neuroscience research. Activities at all levels of educational and career development are welcome under this solicitation.

Sharing of data and software is highly recommended in all CRCNS projects, to facilitate the translation and dissemination of research results, to accelerate the development of generalizable approaches and tools that can be put to wide use by researchers, and to broaden the scope of collaboration in computational neuroscience and related communities.

Two classes of proposals will be considered in response to this solicitation:

Research proposals describing new collaborative research projects, and
Data sharing proposals to enable sharing of data and other resources.

It is estimated that approximately \$5.0 million will be available each year for this competition. Award sizes for research projects are expected to range from approximately \$100,000 to \$250,000 per year in direct costs, with durations of three to five years. Many awards will be on the smaller end of this range; no awards will exceed \$250,000 per year in direct costs. Proposers are strongly discouraged from requesting greater budgets than are necessary for the activities being proposed.

It is estimated that data sharing projects will typically range from \$25,000 to \$100,000 in cumulative award size for a one- to three-year project.

Deadlines: February 26, 2008, October 30, 2008 and October 30, 2009.

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5147

[Pathways to Revitalized Undergraduate Computing Education](#)

Through the NSF CISE Pathways to Revitalized Undergraduate Computing Education (CPATH) program, the National Science Foundation's (NSF) Directorate for Computer and Information Science and Engineering (CISE) is challenging its partners – colleges, universities and other stakeholders committed to advancing the field of computing and its impact - to transform undergraduate computing education on a national scale, to meet the challenges and opportunities of a world where computing is essential to U.S. leadership.



The CPATH vision is of a U.S. workforce with the computing competencies and skills imperative to the Nation's health, security and prosperity in the 21st Century. This workforce includes a cadre of computing professionals with the computing depth and breadth needed for sustained leadership in a wide range of application domains and career fields, and a broader professional workforce with deep knowledge and understanding of critical computing concepts, computational thinking methodologies and techniques.

To achieve this vision, CISE is calling for colleges and universities to work together and with other stakeholders to formulate and implement plans to revitalize undergraduate computing education in the United States. The full engagement of faculty and other individuals in CISE disciplines will be critical to success. Successful CPATH projects will be systemic in nature and will demonstrate significant potential to contribute to the transformation and revitalization of undergraduate computing education on a national scale.

CPATH will support three types of projects in two major track categories, Community Building and Institutional Transformation:

Community Building Track

Community Building (CB) Grants - CB awards will support efforts that bring a diverse group of stakeholders together to develop, nurture, and sustain communities that are actively engaged with a common intellectual focus or goals related to revitalization of undergraduate computing education. Community Building projects have four central elements: community focus and goals, leadership development, well-planned activities for ongoing engagement and broadening of communities, and clear support of the communities involved. These elements should be clearly documented in CPATH CB proposals. Typical community building projects involve a team of leaders, rather than a single PI, and include documentation of relevant prior activities related to the community that is being served. Community building efforts focused on multidisciplinary communities that blur traditional bounds of computer science are particularly encouraged.

Institutional Transformation Track

Conceptual Development and Planning (CDP) Grants - CDP awards will support the institutional groundwork preparation for institutional transformative implementation activities. CDP grants support conceptual design and planning for innovative programs and academic structures involving collaborative computing-intensive disciplinary units or groups of faculty. CDP activities must be targeted at moving multiple departments or schools within a single institution or group of institutions towards transformative learning which goes beyond the more common process of assimilative learning.

Transformative Implementation (TI) Grants - TI projects have a focus on transformation at a single institution or group of institutions. Single institution TI grants must engage multiple academic units or disciplines. TI awards also support the work of multiple institutions committed to the implementation of common or related models of undergraduate computing education. All TI projects are expected to include outreach to broader institutional communities as the projects and models mature, including the participation of secondary teachers and students as appropriate within the context of the project.

Estimated Number of Awards: 17 to 30 total. 10 to 15 Community Building (CB) awards several of which may be focused at the national level; 5 to 10 Conceptual Development and Planning (CDP) Awards; 2 to 5 Transformative Implementation (TI) awards.

Anticipated Funding Amount: \$5,000,000 in FY 2008 pending the availability of funds. CB projects will be funded from levels of \$50,000 to a maximum of \$500,000 total for durations of up to three years. CDP projects will be funded at levels of \$50,000 up to a maximum of \$150,000 total for durations of up to two years. TI projects will be funded at levels up to \$1,000,000 total for a maximum duration of three years.

For CDP and TI proposals: an academic institution may submit or participate in no more than one TI and one CDP proposal. There is no organizational limit for CB proposals. An individual may participate as PI, Co-PI, or Senior Personnel on at most one CDP or TI proposal.

An individual may also participate as PI, Co-PI or Senior Personnel on at most one CB proposal. *Faculty contemplating either a CDP or TI proposal should notify Donna Stremke in ORSP (dstremke@fgcu.edu or ext. 7029) by **February 8, 2008**. If multiple proposals are being prepared, PIs will present a short explanation of their projects to the G&R Team on February 22, 2008 at 2:00 pm in BHG 142.*

Deadlines: **Notification to ORSP, February 8, 2008**
 Presentation to G&R Team, February 22, 2008
 Full Proposal, March 11, 2008.

Broadening Participation Research Initiation Grants in Engineering

Broadening Participation Research Initiation Grants in Engineering (BRIGE) awards are for beginning investigators to undertake activities, such as acquisition of preliminary data or development of collaborations that will lead to formulation of competitive grant applications.



The purpose of the award is to broaden the participation of and to increase opportunities for all engineers including those from groups underrepresented in the engineering disciplines, in order to encourage individuals to become actively and competitively engaged in research as independent investigators. Proposers must be affiliated with an engineering department or a department closely related to engineering.

An applicant must be a citizen, national or legally admitted permanent resident of the United States AND hold a doctoral degree in NSF ENG-supported fields AND present a plan that shows how the proposed activities will increase (1) the participation of engineers from underrepresented groups and (2) the numbers of such individuals that serve as role models for the scientific workforce of the future.

For a BRIGE award, you are eligible if you:

- are a new investigator, i.e., have not held an active full time tenure-track faculty position or equivalent research appointment other than a postdoctoral appointment for longer than three years in a U.S. college, university, or non-profit institution eligible to receive NSF support on the date of proposal submission AND
- have not previously served as Principal Investigator or co-Principal Investigator on independent federal research grants the total of which exceeds \$50,000. Previous federal support through a doctoral dissertation improvement award, as a Fellow (postdoctoral or graduate), or through a fellowship research starter grant is not disqualifying.

A specific goal of this program is to make ENG programs more inclusive in the future. Thus, one measure of success of these programs will be the number of future proposals received by ENG from awardees of BRIGE grants and from members of underrepresented groups influenced or mentored by BRIGE awardees.

ENG expects to invest \$4,000,000 beginning in FY 2008. The duration for these awards is 24 months. They are limited to a maximum of \$175,000 in total (direct plus indirect) costs. Durations may be longer, if circumstances warrant and are justified. The number of awards is subject to the availability of funds.

Deadline: February 8, 2008

<http://www.nsf.gov/pubs/2007/nsf07589/nsf07589.htm>

Theoretical Foundations 2008



The NSF Theoretical Foundations (TF) program supports basic research into the central issues underlying computer and information science and technology. The program is broadly concerned with problems and questions that range from purely theoretical studies, on the one hand, to applications within various fields of science and technology, on the other. TF research and education projects strengthen the intellectual foundations of algorithms and theoretical computer science, cryptography, network and communication theory, information theory, numeric and scientific computing, signal processing, and geometric algorithms, and bring advanced mathematical capabilities from these areas to bear on fundamental problems throughout science and engineering.

The TF program comprises five program elements: Communications Research; Numeric, Symbolic and Geometric Computing; Signal Processing Systems; Scientific Foundations for Internet's Next Generation (SING); and, the Theory of Computing. The program supports research within the purview of these elements as well as research that spans multiple areas.

The program emphasizes the integration of research and education in all areas of interest. Principal investigators (PIs) range from researchers beginning their careers to senior investigators. Research that has the potential to strengthen the foundations of computer science is strongly encouraged. Collaborations between theoretical computer science and other areas of computer science as well as with engineering, mathematics, statistics, and other sciences are also welcome. While each program element described below describes a set of specific topics, in some cases research opportunities extend beyond artificially imposed programmatic boundaries. Consequently, proposals that address cross-cutting research opportunities are also encouraged.

The TF program will support projects ranging from annual budgets of \$60,000 through the \$500,000 to \$1,000,000 range.

Approximately 15 awards will be made with average budgets of \$60,000/year for up to 3 years. These awards may support, for example, one student or a PI's summer salary. Award preference will be given to PIs who have not previously served as PIs or co-PIs on NSF awards. Up to 55 awards will be made with average budgets of \$125,000/year for up to 3 years. Up to 5 awards will be made for well-integrated projects of larger scope, with average budgets of \$500,000/year. No more than one three-year award will be made with a budget up to \$1,000,000/year.

Deadlines: March 12, 2008 through March 19, 2008.

http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08518

Networking Technology and Systems (NeTS)

The NSF Networking Technology and Systems (NeTS) program supports pioneering visions and transformative research agendas that explore the frontiers of networking, provide a better understanding of the dynamics of large-scale networks, expand networking capabilities and use, and help pave the way for the next generation Internet.



Since its inception, the NeTS program has continuously sought to ensure that its mission and scope is at the forefront of research. In previous years, the program identified core networking technologies worthy of further investigation, emphasized the importance of future Internet design, and encouraged groundbreaking research in broadly defined areas of networking. In FY 2008, the NeTS program is organized by research challenges, rather than core technologies, and emphasizes multi-disciplinary, holistic approaches that augment our knowledge about the design and deployment of robust, large-scale, heterogeneous networks.

This solicitation invites innovative, forward- looking research projects in the following five areas:

- Networking at the Edges (NEDG);
- Network Ecosystems (NECO);
- Aware Networking (ANET);
- Exploratory Networking (XPLR); and
- Future Internet Design (FIND)

Proposals may be submitted in one of the following three categories:

Small - projects with total budgets up to \$450K and durations of up to 3 years (with maximum annual budgets of \$150K).

Team - projects with total budgets up to \$2.0M, and durations of up to 4 years (with maximum annual budgets of \$500K).

Planning grants, workshops and other community building activities - Proposals in this category must be discussed with a NeTS program officer prior to submission. Planning grants will be funded at levels up to \$100K/year for up to two years. Workshops in new or emerging areas in networking research and education will be funded at levels up to \$50K for one year.

An individual may appear as PI, co-PI, Senior Personnel, or Consultant on no more than two proposals submitted to the Networking Technology and Systems (NeTS). An individual may appear as PI, co-PI, Senior Personnel or Consultant on no more than three proposals submitted in total to the following NSF programs in each fiscal year: Networking Technology and Systems (NeTS), Cyber Trust (CT) and Computer Systems Research (CSR).

Deadline: MARCH 25, 2008.

<http://www.nsf.gov/pubs/2008/nsf08524/nsf08524.htm>

Emerging Models and Technologies for Computation



The goal of the NSF EMT program is to enable radical innovations in the software, hardware and architecture of computing and communication systems through the support of projects that capitalize upon research opportunities at the intersection of computing and biological systems, nanoscale science and engineering, quantum information science, and other promising areas of science and technology. Interdisciplinary collaborations involving computer scientists, engineers in various fields, physicists, chemists, mathematicians, and biologists are highly encouraged.

Competitive proposals will move beyond incremental and evolutionary technological advances, stimulating seminal discoveries and innovations that will allow computing and communication systems to both work in radically different ways and make much greater contributions to society. In addition to advancing the research frontiers of computing and communications, the EMT program supports the development of innovative curricula and courseware that will help train future generations of engineers and scientists in emerging models and technologies for computation and communication.

In FY 2008, the EMT program will fund research projects of three different types:

- Large - These projects typically involve four or more Principal Investigators (PIs) working in complementary fields of science or engineering, and their associated postdoctoral fellows and/or students;
- Medium - These projects typically involve two to four PIs with complementary research expertise and their associated postdoctoral fellows and/or students; and
- Small - These projects typically consist of a single PI and associated postdoctoral fellow and/or students.

Approximately 20 awards will be made. Up to 8 Small awards will be made with an average award size of \$150,000/year for up to three years. Up to 8 Medium awards are anticipated with an average award size of \$330,000/year for up to three years. Up to 4 Large awards will be made, each with a budget up to \$1,000,000/year for up to three years.

Deadline: MARCH 13, 2008.

http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08517

CRIMINAL JUSTICE

Research on Terrorism

The National Institute of Justice is seeking applications for funding to conduct social science research on terrorism that will inform national criminal justice policy and practice. Proposed research should aim to improve criminal justice and first-responder strategies for preventing, preparing for, responding to, and mitigating terrorist incidents at the Federal, State, and local levels. Applications may address either domestic or international terrorism, but research should have direct, immediate, and obvious implications for criminal justice policy and practice in the United States.

All applications addressing issues related to domestic and international terrorism will be considered under this solicitation. However, NIJ is particularly interested in applications that build on existing research and address the following issues:

Organizational Responses to Terrorism. NIJ is interested in research that yields practical approaches for criminal justice (e.g., police, courts, corrections) agencies and related first responders. Such topics might include:

- Coordination, cooperation, and communication across and among jurisdictions responding to terrorism.
- Evaluating the impact of counterterrorism training.
- Policy and practices to prevent and respond to terrorist activities.
- Determining the impact of terrorism and counterterrorism policies and practices on communities and diverse populations.

Terrorism and Other Crimes. NIJ is interested in applications that may yield investigative, policing, and response strategies. Topics in this area might include:

- The role of routine crime and electronic crime in enabling terrorist activities.
- The nature and extent of links between terrorism and corruption, organized crime, and smuggling (e.g., drugs, human trafficking, natural resources).

Understanding Terrorists and Terror Groups. NIJ is interested in theory-based research to examine:

- Terrorist organizational structure, culture, recruitment methods, motivation, networks, and the implications for more effective intervention and prevention.
- Radicalization and deradicalization processes.

NIJ has previously funded projects that touch on many of these areas; any work in such areas should extend and deepen these findings.

Within applications proposing evaluation research, funding priority will be given to experimental research designs that use random selection and assignment of participants to experimental and control conditions. When randomized designs are not feasible, priority will be given to quasi-experimental designs that include contemporary procedures like Propensity Score Matching and Regression Discontinuity Design to address selection bias in evaluating outcomes and impacts.

NIJ anticipates that up to \$1 million may become available for an award(s) made through this solicitation. NIJ expects to make one to four awards depending on funds available and number of high-quality applications.

Deadline: FEBRUARY 5, 2008

<http://www.ncjrs.gov/pdffiles1/nij/sl000818.pdf>

Research and Evaluation on the Abuse, Neglect, and Exploitation of Elderly Individuals and Residents of Residential Care Facilities

The National Institute of Justice is soliciting applications for funding of research and evaluation in the area of abuse, neglect, and exploitation of individuals over the age of 65 (“elderly”) (including individuals who reside either in the community or in residential care facilities) and individuals of any age who reside in residential care facilities. The term “abuse” includes physical abuse, sexual abuse, psychological abuse, abandonment and isolation, neglect, or financial or fiduciary abuse. The term “residential care facility” includes nursing homes; assisted living facilities; adult family care homes; adult care facilities for people with developmental, cognitive, or physical disabilities; and other residential facilities that provide services to persons who are elderly, have disabilities, or have long-term chronic care needs.

NIJ accepted applications that address gaps in our ability to prevent, detect, and respond to abuse, neglect, and exploitation of elderly individuals and people who live in residential care facilities. Priority research areas include studies that:

- Identify and explore forensic markers of physical abuse, sexual abuse, and neglect among the elderly living in any setting. In addition, studies evaluating forensic practices that may aid in the detection and documentation of elder abuse, and which provide comprehensive dissemination plans for such evaluation data, are also encouraged.
- Examine the use of medication, either through withholding medication or overmedicating, as a form of elder abuse.
- Evaluate programs designed to prevent, deter, detect, investigate, prosecute, or otherwise respond to abuse, neglect, and exploitation of elderly individuals and people who live in residential care facilities.
- Conduct a rigorous external evaluation of the Orange County Elder Forensic Center (the Center) at the University of California, Irvine, in partnership with the Center staff, that is informed by the 2007 NIJ innovations assessment.
- Examine risk and protective factors associated with the victimization and/or perpetration of abuse, neglect, and exploitation of elderly individuals and people who live in residential care facilities.
- Explore typologies of abusers and abusive situations involving elderly victims or victims who reside in residential care facilities.

Applications proposing research in other areas relating to the abuse of elderly individuals and people who live in residential care facilities will be considered, but should explain how the proposed project will fill a critical gap in the field’s knowledge and practice.

Project periods of up to 3 years will be considered. NIJ anticipates that up to a total of \$1.5 million may become available for awards made through this solicitation. NIJ expects to make four to five awards depending on funds available and the number of high-quality applications. The anticipated start date for projects funded under this solicitation should be no earlier than October 1, 2008.

Deadline: FEBRUARY 5, 2008

<http://www.ncjrs.gov/pdffiles1/nij/sl000817.pdf>

Crime and Justice Research

The Crime and Justice Research solicitation is NIJ's "open" solicitation for social and behavioral research and evaluation on topics relevant to State or local criminal and juvenile justice policy and practice. Most crime and justice topics that are relevant to policymakers and practitioners are eligible for consideration.

Within applications proposing evaluation research, funding priority will be given to experimental research designs that use random selection and assignment of participants to experimental and control conditions. When randomized designs are not feasible, priority will be given to quasi-experimental designs that include contemporary procedures like Propensity Score Matching and Regression Discontinuity Design to address selection bias in evaluating outcomes and impacts.

Proposed evaluation research designs with multiple units of analysis and multiple measurements will also be given priority. Design aspects that contribute to the validity of results are necessary to effectively address issues of generalizability and representativeness of findings.

Finally, applications that include additional costs/benefits analysis will be given priority. Costs/benefits analysis is viewed by NIJ as an effective way to communicate and disseminate findings from evaluation research.

NIJ anticipates that up to \$4 million may become available for awards made through this solicitation. Under this solicitation, NIJ may consider proposals for research projects of up to \$1 million or more per award. Additionally, as in previous Crime and Justice Research solicitations, NIJ intends to consider proposals for research projects at lower levels of funding, typically ranging from \$100,000 to 400,000 per award.

Deadline: March 5, 2008

<http://www.ncjrs.gov/pdffiles1/nij/s1000820.pdf>

Social Science Research in Forensic Science

The field of forensic science has experienced numerous advances over the last decade. Improvements in technology have increased capabilities to make use of forensic evidence, both in terms of what can be analyzed and how quickly it can be processed. As forensic evidence plays an increasingly important role in solving crimes, the National Institute of Justice (NIJ) has begun examining social science questions related to how effectively forensic evidence is being used to identify and process criminal offenders and the impact of these advances on the criminal justice system.

NIJ is currently funding several projects in this emerging research area including a demonstration project examining the cost-effectiveness of collecting DNA evidence in property crimes; a study of the impact of forensic evidence on criminal justice processes; and a study of the deterrent effects of DNA databases. NIJ has identified several specific areas of interest for this solicitation. These include:

- Research to improve the use of forensic evidence in violent crime investigations

- Research to improve the practice and processing of impression evidence
- Research to improve the use and understanding of forensic evidence in the courtroom
- Evaluation research

NIJ anticipates that up to \$2 million may become available for awards made through this solicitation. NIJ expects to make up to two to eight awards depending on funds available and number of high-quality applications.

Deadline: February 20, 2008

<http://www.ncjrs.gov/pdffiles1/nij/sl000821.pdf>

Enhanced Training and Services to End Violence and Abuse of Women Later in Life Program

The Enhanced Training and Services to End Violence Against and Abuse of Women Later in Life Program will fund projects that will implement a comprehensive approach to addressing elder abuse in their communities. This comprehensive approach will encompass providing training to criminal justice professionals, governmental agencies and victim assistants to enhance their ability to address elder abuse, neglect and exploitation in their communities; providing cross training opportunities to professionals working with older victims; developing or enhancing a community coordinated responses to elder abuse; and providing or enhancing services for victims who are 50 years of age or older (hereinafter “older victims” or “elder victims”).

Deadline: Feb 07, 2008

<http://www.ovw.usdoj.gov/fy08eldersolicitationdec2007-2.pdf>

DEFENSE INITIATIVES

Dept. of Homeland Security Long Range Broad Agency Announcement

The Department of Homeland Security Science and Technology Directorate is interested in receiving proposals for Long Range Science and Technology Projects and innovative prototypes which offer potential for advancement and improvement of homeland security missions and operations.



Topical Areas of strategic interest include:

- **Explosives countermeasures**, including the detection, mitigation, and response to explosive threats including manpads, home made explosives, improvised explosive devices, suicide bombers and vehicle borne improvised explosive devices.
- **Chemical and Biological analyses and countermeasures**, including improved characterization and prioritization of threats, development and detection systems for early attack warning that minimize exposure and speed treatment of victims, new forensic methods to support attribution, and novel concepts for decontamination and restoration, agrodefense, and food security.

- **Border and Maritime Security** technologies and tools that better secure our land and maritime ports of entry. Concepts and prototypes for pilot testing surveillance and monitoring capabilities that cover vast expanses of remote border and the development and evaluation of security devices and new inspection methods to secure the large volume of cargo entering U.S. ports daily.
- **Command, Control, & Interoperability** for emergency responders, security and integrity of networked infrastructures, and the development of automated capabilities that “connect-the-dots” for threat detection.
- **Human Factors** analyses and techniques to improve detection, analysis, and understanding of threats posed by individuals, groups, and radical movements; preparedness, response and recovery of communities impacted by catastrophic events; and overall effectiveness of homeland security technologies through improved usability and application.
- **Infrastructure Protection** analyses and techniques for identifying and mitigating all hazard vulnerabilities of the 17 critical infrastructure and key assets that keep our society and economy functioning.

Prior to preparing proposals, potential offerors are strongly encouraged to contact the S&T Point of Contact (POC) whose program best matches the offeror’s field of interest. A full listing of contacts is available in the BAA.

The amount and period of performance of each selected Full Proposal will vary depending on the research area and the technical approach to be pursued by the selected Offeror.

Deadline: December 31, 2008

<http://www.hsarpabaa.com/Solicitations/Long-Range-BAA08-01-110807.pdf>

ENVIRONMENTAL PROGRAMS

Wood Education and Resource Center Competitive Grants Program

The USDA Forest Service Wood Education and Resource Center (WERC) is accepting proposals for projects that focus on enhancing opportunities for sustained forest products production for primary and secondary hardwood industries located in the eastern hardwood forest region. In order to maintain and improve the health of our eastern hardwood forests, local wood-using industries need to be vibrant and able to use a wide variety of resources from the forest. Priority will be given to proposals that accomplish one or more of the following:

- Maintain the economic competitiveness of the primary and secondary hardwood industries. Examples include encouraging the adoption of new technology to improve competitiveness and profitability.
- Bring information and technology about processing, marketing and business-related skills to existing and emerging businesses involved in the development and manufacturing of wood products.

- Bring information and technology to existing and emerging businesses that focus on urban wood use, hazardous fuels reductions, use options geared to improving stewardship, forest health, or the use of low value woody biomass.
- Develop technology and markets to address emergency (global or domestic) issues including:
 - Phytosanitation of wood packaging materials, firewood and similar products to eliminate these pathways for the transport of insect and disease pests, and
 - development of markets for and use of unpredicted increases in volume of urban and rural wood due to incidents like new pest introductions (e.g. emerald ash borer) and weather events (e.g. tornados, ice storms).
- Increase the sustainable use of woody biomass to meet our nation's energy and raw materials needs. Examples include public/private partnerships for the use of woody biomass in heating and cooling, process energy, cogeneration, district energy systems, and solid and liquid fuel production. Projects may also develop or maintain local markets and forest industry infrastructure through the increased use of woody biomass for both energy and value-added products.
- Provide key information to address the economic, social, and ecological aspects of woody biomass production and use: including sustainable supplies, harvesting techniques, forest management, plantation development, and environmental implications.

Priority will be given to proposals that use and/or build upon the WERC facilities and/or services. In addition, priority will be given to proposals that:

- Provide results within 12 – 18 months.
- Are multi-state in nature.
- Request minimal Forest Service funds for indirect costs (less than 10 percent).
- Provide benefits to multiple businesses/organizations.
- Request minimal equipment purchases and ensure equipment used in the project will provide benefits to multiple businesses/organizations.

Proposals need to complement existing activities and/or focus on niches that are not being met by either industry or service providers. In addition, proposals need to clearly document industry support and involvement. Examples of industry involvement include matching contributions, personnel time, facility use, letters of support, etc. Proposals that duplicate existing programs and/or do not clearly document industry support will not be funded.

Eligible organizations include non-profits, state and local governmental agencies, institutions of higher education, tribes, and for-profit organizations. An average size grant is anticipated to be \$50,000 and may vary from \$10,000 to \$100,000 per project. Each project will require a one-to-one match of nonfederal funds.

Deadline: FEBRUARY 4, 2008.

<http://www.na.fs.fed.us/werc/grants.shtm>

Conservation Innovation Grants

The USDA Conservation Innovation Grants (CIG) is a voluntary program intended to stimulate the development and adoption of innovative conservation approaches and technologies while leveraging Federal investment in environmental enhancement and protection, in conjunction with agricultural production.

For Fiscal Year 2008, three categories of CIG will be offered. Applicants will need to identify which of the 3 categories applies to their proposed project.

1. National Natural Resource Concerns Category - Applications must demonstrate the use of innovative technologies or approaches, or both, to address a natural resource concern or concerns. The five natural resource concerns for possible funding through Conservation Innovation Grants for fiscal year 2008 are:

- Water Resources;
- Soil Resources;
- Atmospheric Resources;
- Grazing Land and Forest Health; and
- Wildlife Habitat.

This Category also includes applications that focus on Market Based Approaches to address any or all of these five resource concern areas.

2. Chesapeake Bay Watershed Category - Applications for the Chesapeake Bay Watershed Category are being accepted and reviewed by the National Fish and Wildlife Foundation. Information for submitting an application for this category of CIG funding can be accessed at the following link <http://www.nfwf.org/chesapeake>

3. National Technology Category - Applications must address one or more of the following specific technology needs areas identified by NRCS:

- A. Improved On-Farm Energy Efficiency
- B. Water Management (Both Drainage Water and Irrigation Water) Drainage Water Management

NRCS anticipates that the amount available for support of this program in FY 2008 will be approximately \$20 million. The anticipated funding breakdown for each category is:

- National Natural Resource Concerns Category: Up to \$10 million
- Chesapeake Bay Watershed Category: Up to \$5 million
- National Technology Category: Up to \$5 million

The available funding for the three national categories is anticipated to fund approximately 50 to 60 awards based on previous years' experience in administering CIG. The anticipated start date for awarded projects is September 1, 2008.

Deadline: FEBRUARY 20, 2008.

<http://www.nrcs.usda.gov/programs/cig/>

Coral Reef Conservation



The National Fish and Wildlife Foundation is accepting proposals to the Coral Reef Conservation Fund for projects that build public-private partnerships to reduce and prevent degradation of coral reefs. CRCF supports partnerships that provide solutions to specific problems, mitigate or otherwise address specific threats to reef habitats and/or help prevent coral reef degradation to reefs and associated reef habitats (i.e. sea grass beds and mangroves).

The eligible focus areas to address priority threats are listed below:

1. Reduce impacts from over-exploitation of coral reef resources. Priority activities under this focus area include but are not limited to:

- assessment and protection of coral reef species and their associated habitats;
- reducing impacts from destructive fishing gear and by-catch;
- reducing over-exploitation of reef organisms for food or the aquarium trade;
- increasing compliance and enforcement of rules governing the use of coral reef resources;
- increasing the use and effectiveness of coral reef protected areas, including the development and implementation of new sites and management plans, assessment of management effectiveness, and improvements in effectiveness through capacity building, monitoring and assessment, strengthening enforcement through enhanced community participation and compliance and other appropriate actions.

2. Reduce impacts from land-based pollution and sedimentation in coral reef ecosystems. Priority projects under this focus area include but are not limited to:

- development and implementation of Best Management Practices and/or community infrastructure to reduce sedimentation and land-based pollution;
- hands-on activities within coral reef watersheds and watershed-wide approaches to reducing impacts of land-based pollution on reefs.

3. Reduce impacts from recreational uses, tourism, and boating on coral reef ecosystems. Priority projects under this focus area include but are not limited to:

- reducing anchor damage and other impacts from tourism uses of reef areas;
- increasing planning for and implementation of sustainable tourism practices;
- increasing the use and effectiveness of coral reef protected areas, including the development and implementation of new sites and management plans, assessment of management effectiveness, and improvements in effectiveness through capacity building, monitoring and assessment, strengthening enforcement through enhanced community participation and compliance and other appropriate actions.

Most awards will be between \$30,000 and \$100,000 and should describe projects or progress that can be achieved in a 12-18 month time period, but may be part of a long-term effort. A limited number of multiyear grants will be awarded under a new funding opportunity in 2008 to exemplary projects that demonstrate a clear need and/or added value for the extended period. The expected funding range will be \$75,000 – 300,000. Proposals for these funds should show significant movement toward a measurable and well-defined conservation goal addressing one or more of the above listed priorities. Matching funds are required.

Deadlines: Pre-proposal, February 20, 2008.

Invited full proposals, May 16, 2008.

http://www.nfwf.org/AM/Template.cfm?Section=Browse_All_Programs&Template=/TaggedPage/TaggedPageDisplay.cfm&TPLID=32&ContentID=7907

HEALTH

Geriatric Social Work Initiative Faculty Scholars Program

The Faculty Scholars Program is funded by the John A. Hartford Foundation and administered by The Gerontological Society of America (GSA). It is a component of the nationwide Geriatric Social Work Initiative (GSWI), which seeks to expand the training of social workers who can improve the health and well-being of older persons and their families.

The Hartford Geriatric Social Work Faculty Scholars Program will provide these Faculty Scholars with the resources necessary to enhance their research, teaching, and leadership skills, and to support them in conducting practice-based research that addresses the health care of older adults and their caregivers. The program aims to enhance the effectiveness of Faculty Scholars as academic leaders, role models and mentors for future generations of social work professionals working in gerontology. The Scholars Program will foster an intellectually stimulating and supportive network of colleagues involved in research and teaching in gerontological social work who can train the next generation of social workers to provide care to older Americans.

Applications to the Scholars Program will be accepted from doctoral level faculty members in accredited social work education programs in the United States, who hold a full time rank of assistant or associate professor. Full professors are not eligible. The applicant must have at least one graduate degree from a social work program. Ordinarily, applicants should be no more than 12 years from acquiring their doctorates. Each applicant must identify an institutional faculty sponsor (not necessarily a gerontologist) who is preferably within their program. Each applicant must plan on teaching at least one course with substantial gerontological content. The applicant's social work program must provide evidence that aging is an important dimension of its overall content (number of faculty, courses, grants, etc.) and how an applicant's involvement in the Scholars Program will enhance the program's future initiatives in gerontology.

The program will support up to ten (10) Scholars. Two-year grants of \$50,000 per year beginning September 1 will be made to the social work program on behalf of the Scholars. Grants should be used to offset the Scholar's time commitments to the program by supporting salary and benefits (to a maximum of \$45,000) and to provide funds for travel to national

professional meetings and/or research and statistical consultation, as well as other costs related to the Scholar's project. Travel and expenses related to attending institutes and yearly GSA meetings will be provided by the program. The Scholar's social work program is expected to provide evidence of support for the institutional faculty sponsor so that the sponsor will be available to the Scholar.

Applications are due **February 1, 2008**.

<http://www.gswi.org/programs/hfs.html>

March Of Dimes Research Program

We invite all qualified scientists with faculty appointments or the equivalent, at universities, hospitals and research institutions, to submit applications for research grants directed at the prevention of birth defects. Research subjects appropriate for support by the March of Dimes include basic biological processes governing development, genetics, clinical studies, studies of reproductive health, environmental toxicology, and social and behavioral studies.

In Social and Behavioral Sciences, we are interested in applications proposing research that advances our understanding of – and therefore our ability to prevent – the cognitive and behavioral risks that affect outcomes of pregnancy, the perinatal period, and subsequent child development. Because change in behavior is an important component of several of our campaigns, we are interested in studies that address this method of prevention.

Potential applicants should submit electronically the required administrative information and a Letter of Intent addressed to the Senior Vice President for Research and Global Programs summarizing the proposed studies via our online system at:

<HTTP://RESEARCHGRANTS.MARCHOFDIMES.COM/LOI> .

The Letter of Intent must include the following information in this order:

1. The objective.
2. The relevance to birth defects or reproductive health.
3. The hypothesis or hypotheses to be tested.
4. Preliminary data.
5. A statement of the methods of procedure.
6. A plan for evaluating the results.
7. Current financial support: list each current grant or contract for the conduct of this research. If there are no other grants, state "NONE."
8. If this is a request for a renewal of a current March of Dimes grant or Basil O'Connor phase-in application, it must include a summary of its progress.

Deadline: Letter of Intent, April 30, 2008.

Full proposals by invitation, beginning September 15, 2008

<HTTP://RESEARCHGRANTS.MARCHOFDIMES.COM/LOI>

Basil O'connor Starter Scholar Research Award 2009 Program

This 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 applicants' research interests should be consonant with those of the Foundation.

Deans, Chairs of Departments, or Directors of Institutes/Centers should submit nominations for this award addressed to the Senior Vice President for Research and Global Programs.

The information required is:

- Title of the proposed research project.
- Nominator's name, academic appointment, mailing address, telephone and FAX numbers and e-mail address.
- Candidate's name, academic appointment, mailing address, telephone and FAX numbers and e-mail address.
- Candidate's *curriculum vitae* in NIH format.
- An abstract of the proposed research.

The Letter of Nomination (due by **March 15, 2008**) may be submitted by post, facsimile or e-mail. If submitted by e-mail, it must include the file containing the Letter of Nomination as an attachment and be sent to BOCNominations@marchofdimes.com. The nomination letter should contain information about the candidate's faculty appointment, independence, and facilities available, including his/her laboratory space. The submissions will be reviewed for appropriateness of the qualifications of the applicant. The decision will be transmitted to the candidates, and those who are invited to apply will have to do so beginning **June 30, 2008**. Our scientific advisory committee will conduct the final review of the proposals in **October 2008**, and the candidates will be informed of the decisions shortly thereafter. The funding cycle begins on **February 1, 2009**.

These grants do not cover the recipient's salary, but do provide salary support for technical help. They may not exceed \$75,000 per year, and are awarded for two years. Basil O'Connor applicants may not be recipients of a major grant (e.g. an RO1, or other grant exceeding \$200,000 a year) at the time of the application. Candidates may not simultaneously submit an application for any other March of Dimes research program. Those who have previously submitted an application to the March of Dimes are not eligible for a Basil O'Connor Award, but may apply for a regular research grant.

Deadline: March 15, 2008.

[HTTP://RESEARCHGRANTS.MARCHOFDIMES.COM/BOC](http://RESEARCHGRANTS.MARCHOFDIMES.COM/BOC)

Prematurity Research Initiative

The March of Dimes seeks applications requesting grant support for projects related to causes of prematurity. Research proposals of new paradigms based on strong conceptual frameworks are invited. The intent is to provide new insights into the large, and increasing, proportion of preterm deliveries in which the cause (and thus the means of prevention) remains elusive. The proposals need to consider especially, but not be limited to, genetics, gene-environment interactions, and animal models. We encourage novel approaches. Applicants must be members of not-for-profit

institutions. Potential applicants should submit electronically the required administrative information and a Letter of Intent addressed to the Senior Vice President for Research and Global Programs summarizing the proposed studies via our online system at

The Letter of Intent must include the following information in this order:

1. Its objective.
2. Major hypothesis to be tested and key specific aims.
3. Any preliminary data.
4. A brief description of the study design including key outcome variables and the statistical framework that will be applied to the analysis.
5. A plan for evaluating the results.
6. Projected time frame for the investigation.
7. Current financial support: list each current grant or contract for the conduct of this and any other research. If there are no other grants, state "NONE."

These grants do not cover the recipient's or other faculty salaries, but do provide salary support for technical help. The grants are awarded for a three-year period.

The Letters of Intent will be evaluated and applications will be invited from those who are selected. The decision will be transmitted to the candidates no later than **May 15, 2008**. We request no telephone inquiries. Those who are invited to apply will have to do so on or before **July 15, 2008**. The applicants will be informed of the decisions regarding their applications no later than **January 1, 2009**. Funding will be initiated on **March 1, 2009**.

Deadline: April 15, 2008.

[HTTP://RESEARCHGRANTS.MARCHOFDIMES.COM/PRI](http://RESEARCHGRANTS.MARCHOFDIMES.COM/PRI)

Palliative Care of Cancer Patients and their Families

The development of the specialty of palliative medicine has been a critical step in addressing the unmet needs of patients with serious illness and their families and the growth of this field has been remarkable. Nevertheless, the field faces sizeable challenges if care for seriously ill patients and their families is to improve. Unlike other areas of medicine, the knowledge base to support the basic elements of palliative care clinical practice (i.e., pain and symptom management, communication skills, care coordination) is small and inadequate and systems of care that have been developed to support the needs of patients and families have yet to be evaluated. Over the past eight years, a series of reports from the Institute of Medicine, the National Institutes of Health, and the American Academy of Hospice and Palliative Medicine have called for substantial investment in palliative care research to address these knowledge gaps, but despite billions of dollars spent on research in cardiovascular disease, chronic obstructive pulmonary disease, Alzheimer's and related dementias, and cancer, there has been almost no investment in research that might significantly alleviate the physical symptoms; psychological distress; and personal care, family, and social needs of older persons living with advanced illness.

One of the major contributing factors to low levels of research support for care of people with serious and complex illnesses is that there is no federal agency specifically charged with that mission. With few exceptions, the National Institutes of Health (NIH) are disease-specific and

thus palliative care with its applicability to all serious illnesses does not fit well within one particular institute. The National Cancer Institute (NCI), the National Institute on Aging (NIA), the Agency for Healthcare Research and Quality (AHRQ), and the National Institute of Nursing Research (NINR) have supported some research in palliative care but it is not a priority in any of these agencies' annual budgets.

Pilot data results are typically needed before a federal agency (e.g., NIH, VA) or the American Cancer Society will consider funding a research project. In an effort to support clinician investigators conducting patient-oriented research in palliative care who wish to maximize their chances of larger extramural funding, the American Cancer Society, in parallel with the National Palliative Care Research Center (NPCRC), is soliciting applications for pilot/exploratory research grants in palliative care of cancer patients and their families.

This RFA provides funding for investigators performing pilot and exploratory research studies whose purpose is to test interventions, develop research methodologies, and explore novel areas of research in palliative care of cancer patients and their families. A condition of funding is a clearly defined plan as to *how* the investigator will use the results of the project to develop larger, extramurally funded research projects.

This RFA is **limited** to applications that focus on palliative care research projects for seriously ill cancer patients and their families in three (3) specific areas:

1. Exploring the relationship of pain and other distressing symptoms on quality and quantity of life, independence, function, and disability and developing interventions directed at their treatment in patients with advanced and chronic illnesses;
2. Studying methods of improving communication between adults living with serious illness, their families and their health care providers;
3. Evaluating models and systems of care for patients living with advanced illness and their families.

As a condition of accepting the award, each recipient of this grant, will agree to the following:

- To attend the required meetings of the NPCRC;
- To present results of the funded research at the required NPCRC and ACS meetings;
- To prepare annual progress reports for each year of funding and a final report at the conclusion of the award period.
- To list the American Cancer Society as funding this study on all publications and presentations.

Deadline: February 1, 2008

http://www.cancer.org/docroot/RES/content/RES_5_2x_RFA_Pilot_and_Exploratory_Projects_in_Palliative_Care_of_Cancer_Patients_and_Their_Families.asp?sitearea=RES

The Role of Healthcare and Insurance in Improving Outcomes in Cancer Prevention, Early Detection and Treatment

The American Cancer Society is announcing this RFA to investigate the impact of healthcare costs, healthcare system and capacity, insurance status, social factors and delivery of health care

services, on outcomes in cancer prevention, early detection and treatment. The purpose of this RFA is to stimulate research on the effects of the US healthcare system structure and the role of insurance on access to screenings and treatment. Of particular interest is research using linked databases such as SEER, Medicare payment data, State data and NCHS data; other existing databases. Studies may be at the state, multi-state, or national levels, or otherwise involve large populations. Respondents should specifically describe how their results would generalize to the broader corresponding U.S. populations.

Significant gaps in knowledge remain on how healthcare costs, healthcare system structure and capacity, socioeconomic factors (including insurance status), personal characteristics (such as race and ethnicity), and delivery of healthcare services affect outcomes related to cancer prevention, early detection, and treatment. Studies investigating how one or more of these factors affect access, and how these mechanisms interact with other factors known to affect access to healthcare services should be considered. The goal is to use new knowledge derived from these studies to inform policy development and enhance outcomes in cancer prevention, early detection and treatment.

For this RFA in health policy and health services research, ACS is particularly interested in developing new knowledge specifically about the role played by insurance status within the context of other factors, such as costs, capacity and personal characteristics, that affect outcomes in cancer prevention, early detection and treatment. In particular, studies should explore these issues within the uninsured and underinsured populations, Medicaid, and types of private insurance (HMO, PPO, etc.).

Three areas of investigation will receive special consideration:

1. How does the structure and capacity of the healthcare system affect appropriate and timely access to cancer screening, early detection, treatment and palliative care? Examples of such studies include (but are not limited to):
 - a. How do insurance plan benefit designs or costs affect access to cancer screening and treatment? How do plans with high deductibles/co-payments/coinsurance, low annual or lifetime maximums, or significant benefit limits such as number of hospital days or physicians visits, influence use of cancer screening and treatment services as well as treatment patterns and quality of care? How do these design effects vary across geographic regions and/or at-risk populations?
 - b. Do high risk pools and new insurance instruments (including insurance pools for those diagnosed with cancer such as the programs in Maine and Delaware) increase access to screening and treatment? How do these various products compare with private insurance in affecting access to screening and detection services?
 - c. Is there sufficient capacity (facilities and personnel) within the healthcare system for cancer prevention, screening, treatment and palliative care needs? Would there be sufficient capacity if access to care is increased? What are the root causes of incapacities?
2. What provider and system factors affect treatment patterns and quality of cancer care within the current healthcare systems? Examples of such studies include (but are not limited to):
 - a. What provider and system incentives affect treatment patterns and quality of care, for underserved populations?

- b. How does level of reimbursement for cancer prevention, screening, and treatment services affect access to care and outcomes?
- c. How does standardization of cancer treatment patterns affect outcomes? What are the benefits of standardization of care?
- d. What is the impact of coordination of care and/or having a "medical home" on treatment patterns and outcomes for cancer patients?
- e. How do discontinuities or changes in health insurance (i.e., losing and gaining coverage over relatively short periods of time) affect access to care, treatment patterns, and outcomes, and quality of care for individuals with cancer?

3. Explore life course patterns of the entire spectrum of cancer care (from prevention and screening through diagnosis, treatment, survivorship, and supportive/palliative care) by linking diverse data sources for broad patient populations. Examples of such studies include (but are not limited to):

- a. What factors (such as changes in insurance status, community resources, policy interventions, etc.) are associated with differences in lifecourse patterns throughout the spectrum of cancer care?
- b. What prevention, screening, and/or treatment patterns can be demonstrated for broad populations of individuals with cancer by linking diverse sources of existing data?

Deadline: April 1, 2008

http://www.cancer.org/docroot/RES/content/RES_5_2x_Research_Scholar_Grants_For_Health_Services_and_Health_Policy_and_Outcomes_Research.asp?sitearea=RES

LIBRARIES AND MUSEUMS

Build and Share Knowledge of Good Practice in America's Libraries and Museums

The Institute of Museum and Library Services (IMLS) is the primary source of federal support for the nation's 122,000 libraries and 17,500 museums. The Institute's mission is to create strong libraries and museums that connect people to information and ideas.

The ultimate goal of this Cooperative Agreement is to develop the capacity of the museum and library field to effectively plan and evaluate their programs and to share lessons learned so that library and museum practices in the United States continue to improve. IMLS wishes to increase the capacity of:

- Library and museum grantees and potential grantees - to design and deliver projects that preserve cultural heritage, enhance learning opportunities for the public, encourage innovation and support the professional development of library and museum workers so that lessons learned can be shared widely and improve library and museum practice in the U.S.;
- The museum and library field - to access expertise and knowledge distilled from the IMLS portfolio of current and past projects; and
- IMLS - to analyze the results of its grants and disseminate this information broadly.

Through a variety of methods the Cooperator will work with IMLS to:

- Increase knowledge sharing among grantees and potential grantees and the general library and museum community to strengthen skills in project design and evaluation and to share deliverables, practices and findings across projects (i.e. lessons learned, challenges and future issues to be addressed);
- Enable others in the museum and library fields to learn from, and build upon IMLS grantees` prior work and share practices and findings based on project evaluations and other methods;
- Facilitate transfer of knowledge between research findings and library and museum practice; and
- Increase IMLS`s ability to efficiently access and analyze project results to communicate the impact of IMLS programs to the field, Congress, the Administration, and the general public.

U.S. non-profit organizations with tax-exempt status are eligible to apply. IMLS strongly encourages partnerships to engage expertise in a wide range of content areas, including program management and evaluation, knowledge of library and museum operations, meeting planning, distance learning, digital communications, etc.

IMLS anticipates awarding only one (1) Cooperative Agreement. The award under this program will be for up to \$1,000,000. No cost sharing is required, but cost sharing will be considered as an evaluation factor. The award will be for a maximum of twenty-four (24) months from date of award. The estimated award date is April, 2008. IMLS will notify all applicants of final decisions.

Deadline: MARCH 3, 2008.

<http://www.ims.gov/pdf/KnowledgeSharingRFP.pdf>

SECONDARY EDUCATION

Elementary and Secondary School Counseling Programs

The purpose is to support efforts by local educational agencies (LEAs) to establish or expand elementary school and secondary school counseling programs. In accordance with 34 CFR 75.105(b)(2)(iv), this priority is from section 5421 of the Elementary and Secondary Education Act of 1965, as amended by the No Child Left Behind Act of 2001 (ESEA) (20 U.S.C. 7245). For FY 2008 and any subsequent year in which we make awards from the list of unfunded applicants from this competition, this priority is an absolute priority. Under 34CFR 75.105(c)(3) we consider only applications that meet this priority. This priority is: Establish or expand counseling programs in elementary schools, secondary schools, or both. The following definitions are from 34 CFR part 77 and apply to this competition:

- *Elementary school* means a day or residential school that provides elementary education, as determined under State law.


- *Secondary school* means a day or residential school that provides secondary education, as determined under State law. In the absence of State law, the Secretary may determine, with respect to that State, whether the term includes education beyond the twelfth grade.

Deadline: Jan 28, 2008

<http://a257.g.akamaitech.net/7/257/2422/01jan20071800/edocket.access.gpo.gov/2007/pdf/E7-24183.pdf>

SOCIAL SCIENCES

Human and Social Dynamics

The Human and Social Dynamics (HSD) priority area fosters  breakthroughs in understanding the dynamics of human action and development, as well as knowledge about organizational, cultural, and societal adaptation and change. HSD aims to increase our collective ability to (1) understand the complexities of change; (2) understand the dynamics of human and social behavior at all levels, including that of the human mind; (3) understand the cognitive and social structures that create, define, and result from change; and (4) manage profound or rapid change, and make decisions in the face of changing risks and uncertainty. Accomplishing these goals requires multidisciplinary research teams and comprehensive, interdisciplinary approaches across the sciences, engineering, education, and humanities, as appropriate.

The FY 2008 competition will include three emphasis areas:

- Agents of Change;
- Dynamics of Human Behavior; and
- Decision Making, Risk and Uncertainty

HSD encourages projects investigating complexity and systems thinking, with a goal of revealing the emergent properties of dynamic systems. HSD also encourages projects identifying human drivers of environmental change and exploring the consequences of environmental change on humans. Such research is central in equipping us to handle the most pressing environmental problems for our nation and the world.

Full research projects will support multidisciplinary teams of three or more investigators from at least two different fields in projects that use interdisciplinary approaches to advance fundamental understanding about human and social dynamics. Projects are expected to have significant educational or other broader impacts in addition to advancing fundamental knowledge. HSD will have two funding levels in FY 2008:

Type 1 Full Research projects - maximum total award sizes of \$750,000, including indirect costs, and a duration of three years, pending availability of funds. It is expected that 25-30 Type 1 awards will be made.

Type 2 Full Research projects - maximum total award sizes of \$1,250,000, including indirect costs, and a duration of three years, pending availability of funds. Examples of

projects that may require higher funding levels include (but are not limited to) those with extensive international partnering; those providing significant student involvement; and those developing large, shared data sets. Approximately 4 to 6 Type II awards are expected to be made.

NSF has special interest in proposals that develop and employ innovative approaches in the study of human and social dynamics and include research personnel from all ranks, who are representative of the diversity in US society. When appropriate, international collaborative partnerships are encouraged. HSD encourages research-intensive and extensive universities to partner with other types of colleges and universities, especially ones serving underrepresented minority populations.

An individual may appear as Principal Investigator (PI), co-PI, other senior personnel or investigator on only one HSD proposal submitted in FY 2008 in response to this program solicitation. All proposals must include three or more senior personnel from at least two different fields. Proposals involving fewer than three senior personnel will be returned without review.

Deadline: February 19th, 2008

http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf08508

Homosexuality

The Wayne F. Placek Grants were established in 1994 and are intended to encourage scientific research to increase the general public's understanding of homosexuality and to alleviate the stress that gay men and lesbians experience in this and future civilizations.

There are two categories of grants available:

Large Grants offer up to \$65,000 in research support. The 2008 deadline is MARCH 9, 2008.

Small Grants provide up to \$5,000 in research support and are intended to encourage small-scale scientific research. The 2008 deadline is JANUARY 31, 2008.

The grant programs support empirical research from all fields of the behavioral and social sciences. Proposed research may deal with any topics related to lesbian, gay, or bisexual issues. Proposals are especially encouraged for empirical studies that address the following topics:

- heterosexuals' attitudes and behaviors toward lesbians and gay men, including prejudice, discrimination, and violence;
- family and workplace issues relevant to lesbians and gay men; and
- subgroups of the lesbian and gay population that have historically been underrepresented in scientific research.

All applicants (including co-investigators) must have a doctoral degree at the time of application and must be affiliated with a college, university, or research institute that meets U.S. federal requirements for administering research awards.

Deadline: January 31, 2008

<http://www.apa.org/apf/placek.html>

TRANSPORTATION

Transportation Planning Cooperative Research



The Federal Highway Administration (FHWA) is soliciting for proposals for research and development projects that could lead to transformational changes and revolutionary advances for transportation planning in the United States. The objective of this BAA is to advance the practice and application of transportation planning among state, regional and local transportation planning agencies in response to significant changes in the planning process and to identify new tools, techniques and approaches that respond to national transportation planning priorities.

This program is intended to spur innovation and focus on high risk and high pay-off research and development projects. Incremental advances, demonstrations of existing technologies or applications of state and metropolitan transportation planning activities are not within the scope of this program. Six focus areas within transportation planning are of particular strategic interest and relevance to the FHWA. Proposals in these areas are highly encouraged.

The six focus areas include:

- (1) Congestion Management;
- (2) Global Climate Change;
- (3) Freight Planning;
- (4) Public Involvement, Environmental Justice, Visualization in Planning;
- (5) Tools and Techniques That Support State and Local Planning Capacity Building; and
- (6) Tools and Techniques that Support Tribal Planning Capacity Building.

The FHWA has budgeted approximately \$700,000 in fiscal year 2008 to fund this research program. The FHWA anticipates making multiple awards, typically of 12-24 months duration with the size of individual awards varying from \$50,000 to over \$100,000 depending on the research area and study requirements.

A two-phase process for proposal submission and evaluation is required. In the first phase, short pre-proposals will be submitted for review. The Federal Highway Administration (FHWA) will ask for full proposals of those pre-proposals that are of interest to FHWA. BAA

Deadlines: Pre-proposals, February 15, 2008

Invitations for Full Proposals to be sent out **March 15, 2008**, due in 6 weeks.

http://www.fbo.gov/spg/DOF/FHWA/OAM/DTFH61-08-R-00011/Combine%20Synopsis_Solicitation.html

Translation Research to Prevent Motor Vehicle-Related Crashes and Injuries to Teen Drivers and Their Passengers

The purpose of this funding opportunity announcement (FOA) is to solicit applications to conduct translation research to understand the best ways to promote the widespread adoption and institutionalization of evidence-based teen driving interventions. The goal of this program is to accelerate the utilization of proven evidence-based interventions through translation research that includes dissemination, implementation, and diffusion of effective strategies into public health policy and practice to reduce motor vehicle injuries to teen drivers and their passengers. Research on the development or testing of teen driving interventions is not a goal of this FOA. Interdisciplinary collaboration is encouraged.



Submitted research proposals must consider one or a combination of the following research approaches:

- 1) Identify, test, and evaluate methodological tools for the successful dissemination, implementation, and diffusion of evidence-based teen driving programs, practices, or policies that retain fidelity and achieve positive outcomes for target populations;
- 2) Identify, test, and evaluate optimal strategies to enhance the widespread adoption and institutionalization of effective teen driving intervention programs, including the adaptability of interventions to other at risk populations and/or
- 3) Identify, test, and evaluate cost-effective teen driving strategies designed to implement evidence into practice, and subsequently into the framework of decision making within public health practice, systems and organizations and/or at the public policy level.

Proposed research topics may include but are not limited to:

- The translation research may be related to interventions known to increase seat belt use, reduce alcohol-impaired driving, reduce riding with an alcohol-impaired driver, reduce exposure to driving, speeding, distracted driving (i.e. communications devices, multiple passengers), and other high risk behaviors, or on interventions that impact a number of components simultaneously. Applicants must evaluate the impact of the research.
- Research to evaluate the effectiveness of various tailoring, training, packaging and/or implementation strategies to accelerate adoption.
- The translation of several types of evidenced-based teen driving interventions may be proposed, which may take the form of technologies, health practice guidelines and protocols, organizational, system, or structural interventions.
- Evidence-based teen driving translation research on intervention may be those implemented through community, school, or faith-based programs, with individuals, peers, families, or social groups, and/or through regulatory, legislative or administrative channels.

- Quantitative or qualitative research methods may be used if they are of sufficient preventive magnitude to change public health practice, inform public health policy, and/or result in community action to improve the use and sustainability of teen driving interventions including those affecting individual behavior, institutions, social policy, licensing, social community norms, or the influence of peers, parents, and supervisors.
- Translation research may be based on health promotion and communication strategies, and other strategies and may target teens and/or parents.
- If applicable, applicants must articulate a Community Action Plan that demonstrates a clear understanding of the stakeholders` roles and incentives; factors that influence decision-making for stakeholders, implementers, and target population (e.g., training); and the organizational capacity (e.g., need and fit for the proposed evidence-based intervention).

This funding opportunity is a research grant and will use the R01 activity code. It is estimated that one application will be funded under this announcement. The budget period will be for one year and the anticipated project period for four years. The funding level will not exceed \$518,000 total (including direct and indirect costs) per year.

Deadline: January 21st, 2008

<http://grants.nih.gov/grants/guide/rfa-files/RFA-CE-08-004.html>