January 20, 2006

Dear Faculty,

Welcome to another issue of the Office for Research and Sponsored Program’s Funding Newsletter. In this issue, we highlight numerous funding opportunities in the sciences, as well as several in the Humanities, including the upcoming The New York State Library’s 2006 Anna K. and Mary E. Cunningham Research Residencies in New York State History and Culture, and The Quinn-Library Fellowship. Please note that if you are interested in applying to any of these, the deadline for the above-mentioned programs is approaching quickly and your application must be postmarked by February 16, 2006.

Additionally, we would like to bring to your attention a very exciting opportunity to meet with Dr. Frank Scalzo, Education Programs Specialist at NASA. On February 8, 2006, Dr. Scalzo will be presenting on the many funding opportunities that NASA has to offer. We invite you to attend this event, to learn about the many programs that NASA offers, and to personally meet with Dr. Scalzo who can answer your questions. This presentation will be held during Common Hour (11:15 a.m. – 12:35 p.m.). Details regarding this event will follow shortly via a separate announcement, and will also be posted on the Office for Research and Sponsored Program’s website at the above cited URL. As always, we encourage you to contact us with any of your funding needs as we are here to serve you.

Sincerely,

Sofia Kakoulidis
Associate Provost for Research and Sponsored Programs

Wendy Becker
Assistant Provost for Research and Sponsored Programs

Funding Opportunities in the Humanities

The New York State Library
The 2006 Anna K. and Mary E. Cunningham Research Residencies in New York State History and Culture & The Quinn-Library Fellowship

URL: http://www.nysl.nysed.gov/library/researchres.htm

The New York State Library announces the availability of grants for research in New York State history. The Anna K. and Mary E. Cunningham Research Residency Program in New York State History and Culture was established in 1997 to benefit scholars using the unique collections of the New York State Library to study the history of New York. Four Cunningham residencies of $1,000—and one Quinn fellowship will be awarded in 2006. In addition to the cash awards, recipients will be given access to photo-duplication and other services of the State Library. Grants are available to academic and public historians, graduate students, independent researchers and writers and to primary and secondary school teachers. Preference will be given to projects that have a high probability of publication or other public dissemination. Applicants must conduct original research at the New York State Library. Projects involving alternative uses of the collections such as research for multimedia projects, exhibits and documentary films are encouraged.
**The Cunningham Residencies**

Four Cunningham residencies of $1,000 will be awarded in 2006. Funds for the research residencies are provided by a trust fund endowment created by a bequest from the estate of Anna K. Cunningham on behalf of her sister, Mary, and herself. It is a fitting celebration of the sisters’ lifelong interest in the study of New York State history. Anna Cunningham (1906-1996) was Supervisor of Historic Sites of New York State, as well as serving on the boards and councils of many state and national historic preservation organizations. Mary Cunningham (1917-1986), whose personal papers are among the collections of the State Library, held various executive positions in the New York State Historical Association, was a founder and the first editor of *American Heritage* magazine, and was a founder of the Yorkers program for teaching and involving young New Yorkers in the State’s history.

The Cunningham residencies, first awarded in 2005, are an outgrowth of earlier research residency programs of the New York State Library. The following projects were funded in 2005:

- Readers and books in colonial New York City
- The environmental: history of the upper Hudson-Champlain corridor, and its interrelationship with social conflict and settlement
- Businesswomen the 19th century Albany
- Women’s history in three Northern New York counties

**Quinn-Library Fellowship for 2006**

Through generous support from the Doris Quinn Foundation, the New Netherland Institute and the New York State Library will make a special Cunningham grant of $2,500 in 2006 for specialized research in Dutch-related documents and printed materials at the New York State Library. Researchers interested in the history of New Netherland and the Dutch Colonial Atlantic world are encouraged to apply for these funds.

For information on the application process and the New York State Library’s available resources, please see the above cited URL, or contact the Office for Research and Sponsored Programs at extension 3-6810.

**National Endowment for the Humanities (NEH)**

**NEH Fellowships**

URL: [http://www.neh.gov/grants/guidelines/fellowships.html](http://www.neh.gov/grants/guidelines/fellowships.html)  
Proposal Deadline: May 1, 2006

NEH Fellowships support individuals pursuing advanced research in the humanities that contributes to scholarly knowledge or to the general public's understanding of the humanities. Recipients usually produce scholarly articles, monographs on specialized subjects, books on broad topics, archaeological site reports, translations, editions, or other scholarly tools. Fellowships support full-time work on a humanities project for a period of six to twelve months. Applicants may be faculty or staff members of colleges, universities, or primary or secondary schools, or they may be independent scholars or writers. In addition, under this solicitation, NEH also partners with the following two organizations for projects that fall under these select subject areas:

- **Library of Congress:** Research projects in the humanities or social sciences that draw on the collections of the Library of Congress (LOC) are eligible for joint support by LOC and NEH. Applicants must be junior scholars to qualify for this support.
- **Japan-United States Friendship Commission:** Research projects in the humanities or social sciences on subjects such as the modern Japanese political economy, international relations and society, and US-Japan relations are eligible for joint support from NEH and the Japan-United States Friendship Commission through the Advanced Social Science Research on Japan Fellowship Program.

**Anticipated Award Amount:** Successful applicants will receive an outright award of $24,000 for a six- to eight-month grant period and $40,000 for a nine- to twelve-month grant period. For further information, please visit the URL cited above or call the Office for Research and Sponsored Programs at extension 3-6810.
**Collaborative Research Grants**
National Endowment for the Humanities (NEH)
URL: [http://www.neh.gov/grants/guidelines/collaborative.html](http://www.neh.gov/grants/guidelines/collaborative.html)

Proposal Deadline: July 2007*

NEH Collaborative Research Grants support original research undertaken by a team of two or more scholars; or research coordinated by an individual scholar that, because of its scope or complexity, requires additional staff and resources beyond the individual's salary. **Eligible projects include:**

- Research that significantly adds to knowledge and understanding in the humanities;
- Conferences on topics of major importance in the humanities that will benefit ongoing research;
- Archaeology projects that interpret and communicate the results of archaeological fieldwork. Projects may encompass excavation, materials analysis, laboratory work, field reports, and preparation of interpretive monographs;
- Translations into English of works that provide insight into the history, literature, philosophy, and artistic achievements of other cultures; and
- Research that uses the knowledge, methods, and perspectives of the humanities to enhance understanding of science, technology, and medicine.

These grants support full-time or part-time activities for periods of one to three years. Support is available for various combinations of scholars, consultants, and research assistants; project-related travel; field work; applications of information technology; and technical support and services. All grantees are expected to communicate the results of their work to the appropriate scholarly and public audiences. **Anticipated Award Amount:** from $25,000 to $100,000 per year for a period of one to three years.

*Please Note: New guidelines for this program will be available in late summer 2006. As the due date for this solicitation draws nearer, please check the above URL for the exact proposal deadline. In the interim, the guidelines posted above and on the NEH website can be used for reference, but should NOT be used to prepare an application. For further information, please visit the URL cited above or call the Office for Research and Sponsored Programs at extension 3-6810.

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**Opportunities for Funding across Disciplines**

**Training for a New Interdisciplinary Research Workforce (T90)**
National Institutes of Health (NIH)

Letters of Intent Receipt Date(s): February 14, 2006
Application Receipt Dates(s): April 7, 2006

Towards the goal of catalyzing the production of a scientific workforce capable of integrative research crossing traditional disciplinary boundaries, the National Institutes of Health invites applications for developing and implementing novel training programs focused on interdisciplinary science. The purpose of this program is to accelerate both the pace of discovery in the key areas of prevention, detection, diagnosis, and treatment of disease and disability and the translation of therapies from bench to bedside. These programs will support a variety of new and innovative didactic and research experiences designed to provide students with the knowledge and research experiences necessary to develop interdisciplinary solutions to complex health problems and to increase quality and years of healthy life and eliminate health disparities. **Anticipated Award Amount:** Up to $325,000 per year for a period of four years. Because only one application may be submitted per institution, please contact the Office for Research and Sponsored Programs as soon as possible if you intend to submit an application under this funding opportunity. For further information, please visit the URL cited above or call the Office for Research and Sponsored Programs at extension 3-6810.
**Materials Use: Science, Engineering, and Society (MUSES)**
**National Science Foundation (NSF)**

**Full Proposal Deadline:** March 13, 2006

This program seeks proposals that encourage researchers in engineering, physical and life sciences, social and behavioral sciences, economics, mathematics, and education to reach beyond their disciplinary boundaries in order to address complex issues related to materials use in the environment. There are two challenges: (a) to propose exploratory research issues that are viable and (b) to create new teams of researchers with the necessary expertise who can work together. **Anticipated Award Amount:** Up to $400,000 per year for three to five years duration. Additionally, up to five small awards will be granted in FY 2006 (not to exceed $100,000 and up to a one year duration). For further information, please visit the URL cited above or call the Office for Research and Sponsored Programs at extension 3-6810.

**Pilot Grants**
**American Foundation for Suicide Prevention (AFSP)**
URL: [http://www.afsp.org/research/grants.htm](http://www.afsp.org/research/grants.htm)

**Proposal Due Dates:** April 15, August 15, and December 15

American Foundation for Suicide Prevention (AFSP) Pilot Grants are intended to provide seed money for new research projects. Grants can be directed towards research on suicide from a variety of disciplines, including psychiatry, medicine, psychology, genetics, epidemiology, neurobiology, sociology, nursing, and many others. Pilot grants are not intended to support the development or implementation of prevention programs, educational programs, treatments, or other interventions that do not have a significant research component. Pilot grants may be awarded to investigators of any academic rank, and to those who do not have previous suicide research experience. **Anticipated Award Amount:** Up to $20,000 seed money for new one or two-year projects. For further information, please visit the URL cited above or call the Office for Research and Sponsored Programs at extension 3-6810.

**Opportunities for Funding in Science, Technology, Engineering and Mathematics**

**Presidential Awards for Excellence in Science, Mathematics and Mentoring**
**National Science Foundation (NSF)**

**Full Proposal Deadline:** March 7, 2006

The PAESMEM Program seeks to identify outstanding mentoring efforts that enhance the participation of groups (i.e., women, minorities, and persons with disabilities) that are underrepresented in science, technology, engineering, and mathematics. The awardees serve as leaders in the national effort to develop fully the Nation's human resources in science, technology, engineering, and mathematics. This program provides educational opportunities for Undergraduate Students, Graduate Students, Postdoctoral Fellows, K-12 Educators. **Anticipated Award Amount:** $200,000 for new awards in each fiscal year pending the availability of funds. For further information, please visit the URL cited above or call the Office for Research and Sponsored Programs at extension 3-6810.

**Carbon and Water in the Earth System**
**National Science Foundation (NSF)**

**Full Proposal Deadline:** March 15, 2006

This solicitation invites proposals aimed at closing significant gaps in our understanding of the complex relationships between and within the global water and carbon cycles. In particular, this solicitation seeks proposals that cross the interfaces of land, atmosphere and oceans. Proposals should span traditional interdisciplinary boundaries and should not duplicate efforts currently supported in NSF core programs as determined by discussion with one or more of the cognizant NSF Program Officers. Studies of related biologically or geochemically reactive substances will be considered only if they pertain directly to the
carbon or water cycles. Proposers are strongly encouraged to contact a Program Officer to discuss their proposals before submission. **Anticipated Award Amount:** $1,280,000 to $2,285,714. For further information, please visit the URL cited above or call the Office for Research and Sponsored Programs at extension 3-6810.

**The Sigma Xi Grants-in-Aid of Research Program**

**Grants-in-Aid of Research Program (GIAR)**


**Application Deadlines:** March 15 and October 15 annually

The Sigma Xi Grants-in-Aid of Research program has been providing undergraduate and graduate students with valuable educational experiences for more than 80 years. By encouraging close working relationships between students and faculty, the program promotes scientific excellence and achievement through hands-on learning. The program awards grants of up to $1,000 to students from all areas of the sciences and engineering. Designated funds from the National Academy of Sciences allow for grants of up to $5,000 for astronomy research and $2,500 for vision related research. Students use the funding to pay for travel expenses to and from a research site, or for purchase of non-standard laboratory equipment necessary to complete a specific research project. While membership in Sigma Xi is not a requirement for applying for funding from the Grants-in-Aid of Research program, approximately 75% of funds are restricted for use by dues paying student members of Sigma Xi or students whose project advisor is a dues paying member of Sigma Xi. Students from any country are eligible to receive funding. For further information, please visit the URL cited above or call the Office for Research and Sponsored Programs at extension 3-6810.

**Undergraduate Research Collaboratives (URC)**

National Science Foundation (NSF)


**Full Proposal Deadline:** March 21, 2006

The Undergraduate Research Collaboratives (URC) Program seeks new models and partnerships with the potential (1) to expand the reach of undergraduate research to include first- and second-year college students; (2) to broaden participation and increase diversity in the student talent pool from which the nation's future technical workforce will be drawn; and (3) to enhance the research capacity, infrastructure, and culture of participating institutions. Collectively, these outcomes will substantially strengthen the nation's research enterprise. For this program, research should be in the chemical sciences or in interdisciplinary areas supported by the chemical sciences. Projects should allow students to create new knowledge that is potentially publishable by providing exposure to research of contemporary scientific interest that is addressed with modern research tools and methods. **Anticipated Award Amount:** Awards will be made as continuing grants for 5 years at up to $500,000 per year plus up to an additional $200,000 in the first year for equipment. Because only one proposal may be submitted per institution, potential applicants should alert the Office of Research and Sponsored Programs of intent to apply as early as possible. For further information, please visit the URL cited above or call the Office for Research and Sponsored Programs at extension 3-6810.

**Informal Science Education (ISE)**

National Science Foundation (NSF)


**Preliminary Proposal Deadline Date:** March 21, 2006

The ISE program invests in projects that develop and implement informal learning experiences designed to increase interest, engagement, and understanding of science, technology, engineering, and mathematics (STEM) by individuals of all ages and backgrounds, as well as projects that advance knowledge and practice of informal science education. Projects may target either public audiences or professionals whose work directly affects informal STEM learning. ISE projects are expected to demonstrate strategic impact, innovation, and collaboration. **Anticipated Award Amount:** $500,000. For further information, please visit the URL cited above or call the Office for Research and Sponsored Programs at extension 3-6810.
Cancer Prevention Research Small Grant Program  
National Institutes of Health (NIH)  

**Application Deadline:** March 22, 2006

The Division of Cancer Prevention of the National Cancer Institute (NCI) invites applications that address developmental research in chemoprevention agent development, biomarkers, early detection, and nutrition science. The Small Grants Program is designed to aid and facilitate the growth of a nationwide cohort of scientists with a high level of research expertise in cancer prevention research. It is anticipated that these Small Grant Programs may lead to the submission of subsequent individual research project grants (R01). New, as well as experienced, investigators in relevant fields and disciplines (e.g., chemoprevention, nutritional science, genetic and infectious agents, and early detection, including biomarker development and validation) may apply for small grants to test ideas or do pilot studies. For further information, please visit the URL cited above or call the Office for Research and Sponsored Programs at extension 3-6810.

Ethics Education in Science and Engineering (EESE)  
*National Science Foundation (NSF)*  

**Full Proposal Deadline Date:** March 24, 2006

The Ethics Education in Science and Engineering (EESE) program considers proposals for research and educational projects to improve ethics education in all of the fields of science and engineering that NSF supports. For this year, proposals must focus on improving ethics education for graduate students in those fields, and on ethical issues that arise in research or graduate research education in those fields, particularly in interdisciplinary or inter-institutional contexts. **Anticipated Award Amount:** $129,166 to $310,000. For further information, please visit the URL cited above or call the Office for Research and Sponsored Programs at extension 3-6810.

Synthesis of Arctic System Science  
*National Science Foundation (NSF)*  

**Full Proposal Deadline Date:** March 24, 2006

This solicitation is for research that synthesizes our understanding of the arctic system. The arctic system is a set of interconnected and interacting physical, biological, and human components and processes in the northern region influenced by the existence of perennial ice (sea ice, ice sheets, glaciers, permafrost, etc.). Research efforts supported will build on and integrate the wealth of existing data and knowledge to advance our understanding of the behavior of the arctic system or key subsets of the system and to understand the role it plays in the global system and society. **Anticipated Award Amount:** $700,000 to $1,400,000. For further information, please visit the URL cited above or call the Office for Research and Sponsored Programs at extension 3-6810.

Assembling the Tree of Life (ATOL)  
*National Science Foundation (NSF)*  

**Full Proposal Deadline Date:** March 27, 2006

A flood of new information, from whole-genome sequences to detailed structural information to inventories of earth's biota, 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 phylogenetic 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 by 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 multidisciplinary teams to conduct creative and innovative research that will resolve phylogenetic relationships for large groups of organisms on the Tree of Life. Teams of investigators also will be supported for projects in data acquisition, analysis, algorithm
development and dissemination in computational phylogenetics and phyloinformatics. **Anticipated Award Amount:** Each award, whether single-institution or collaborative project, may range up to $3M total, for durations up to five years. For further information, please visit the URL cited above or call the Office for Research and Sponsored Programs at extension 3-6810.

**Interdisciplinary Training for Undergraduates in Biological and Mathematical Sciences (UBM)**

*National Science Foundation (NSF)*


Full Proposal Deadline Date: March 29, 2006

The goal of the Undergraduate Biology and Mathematics (UBM) activity is to enhance undergraduate education and training at the intersection of the biological and mathematical sciences and to better prepare undergraduate biology or mathematics students to pursue graduate study and careers in fields that integrate the mathematical and biological sciences. The core of the activity is long-term research experiences for interdisciplinary balanced cohorts of at least four undergraduates. Projects should focus on research at the intersection of the mathematical and biological sciences. Projects should provide students exposure to contemporary mathematics and biology, addressed with modern research tools and methods. That is, projects must be genuine research experiences rather than rehearsals of research methods. Projects must involve students from both areas in collaborative research experiences and include joint mentorship by faculty in both fields. In addition, it is expected that projects will strengthen the research and education capacity, infrastructure, and culture of the participating institutions. To this end, projects should create models for education in the mathematical and biological sciences and influence the direction of academic programs for a broad range of students. UBM is a joint effort of the Education and Human Resources (EHR), Biological Sciences (BIO), and Mathematical and Physical Sciences (MPS) directorates at the National Science Foundation (NSF). For further information, please visit the URL cited above or call the Office for Research and Sponsored Programs at extension 3-6810.

**Homeland Security Advanced Research Projects Agency (HSARPA)**

*Department of Homeland Security (DHS)*

*Prototypes and Technology for Improvised Explosives Device Detection*

URL: [http://www.hsarpabaa.com/Solicitations/BAAPTIEDDV53-3-1.pdf](http://www.hsarpabaa.com/Solicitations/BAAPTIEDDV53-3-1.pdf)

Proposal Deadline: April 12, 2005

The Homeland Security Advanced Research Projects Agency (HSARPA) invests in programs offering the potential for revolutionary changes in technologies that promote homeland security and accelerate the prototyping and deployment of technologies that reduce homeland vulnerabilities. HSARPA performs these functions in part by awarding procurement contracts, grants, cooperative agreements, or other transactions for research or prototypes to public or private entities, businesses, federally funded research and development centers and universities. A critical area of focus for DHS is the protection of the homeland from the threat of high explosives in vehicles. In support of this critical focus area, HSARPA is initiating the “Prototypes and Technology for Improvised Explosives Device Detection” (PTIEDD) Program. Its goals are:

- To develop, rapid prototype, and improve products and systems capable of detecting explosive compounds in vehicles;
- To support research and development of next generation or novel technologies or prototypes for detection of improvised explosives in vehicles, in leave-behind packages, or carried by suicide bombers.

For further information, please visit the URL cited above or call the Office for Research and Sponsored Programs at extension 3-6810.

**Research on Gender in Science and Engineering FY 2006 (GSE)**

*National Science Foundation (NSF)*


Full Proposal Deadlines: Vary*

The program seeks to broaden the participation of girls and women in all fields of science, technology, engineering, and mathematics (STEM) education by supporting research, dissemination of research, and extension services in education that will lead to a larger and more diverse domestic science and engineering workforce. Typical projects will contribute to the knowledge base addressing gender-related
differences in learning and in the educational experiences that affect student interest, performance, and choice of careers; and how pedagogical approaches and teaching styles, curriculum, student services, and institutional culture contribute to causing or closing gender gaps that persist in certain fields. Projects will disseminate and apply findings, evaluation results, and proven good practices and products. The Research on Gender in Science and Engineering program has been funding these objectives since 1993, under the prior names “Program for Women and Girls” (PWG), “Program for Gender Equity in Science, Mathematics, Engineering and Technology” (PGE), and “Gender Diversity in STEM Education” (GDSE). *

Full Proposal Deadline Date for Research Proposals: February 24, 2006; Full Proposal Deadline Date for Dissemination Proposals: April 24, 2006; Full Proposal Deadline Date for Extension Services Proposals: April 24, 2006. For further information, please visit the URL cited above or call the Office for Research and Sponsored Programs at extension 3-6810.

University-Industry Cooperative Research Programs in the Mathematical Sciences (UICRP)

National Science Foundation (NSF)


Full Proposal Deadline: June 2, annually

Technical innovations flourish through a symbiotic relationship between academia and industry. The mathematical sciences provide the foundation for the scientific progress that generates technical innovations. It is in the national interest to provide more opportunities for mathematical scientists to have the experience of conducting research in an industrial environment and for industrial scientists to return periodically to academia, to acquire new knowledge, and to move it efficiently into technology. The Division of Mathematical Sciences (DMS) supports this relationship through the university-industry postdoctoral research fellowships, university-industry senior research fellowships, industry-based graduate research assistantships, and industry-based graduate cooperative fellowships described in this solicitation. For further information, please visit the URL cited above or call the Office for Research and Sponsored Programs at extension 3-6810.

Research Experiences for Undergraduates (REU) Sites and Supplements

National Science Foundation (NSF)


Full Proposal Deadline: August 17, 2006

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. REU projects involve students in meaningful ways in ongoing research programs or in research projects designed especially for the purpose. This solicitation 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 further information, please visit the URL cited above or call the Office for Research and Sponsored Programs at extension 3-6810.
For information and assistance regarding grant opportunities, 24 hours a day, visit:

www.hofstra.edu/grants

the homepage of Hofstra University’s

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