Multiple Principal Investigators

The traditional NIH research project grant consists of a single principal investigator (PI) working with a small group of subordinates on an independent research project. Although this model clearly continues to work well, it does not always make sense for multidisciplinary efforts and collaborations. Increasingly, health-related research involves teams of researchers that vary in terms of size, hierarchy, location of participants, goals, disciplines, and structure. There is growing consensus that team science would be encouraged if more than one PI could be recognized on an individual award. NIH intends to adopt a multiple-PI model, as recently directed by the Office of Science and Technology Policy. This multiple-PI model is intended to supplement, but not replace, the traditional single-PI model.

As part its implementation plan, NIH issued a request for information in July 2005, to solicit input on policies and issues of special interest to the health-related research community. As a result, NIH plans to adopt or create grant application forms that include sections for more than one PI by the end of FY 06. Each of the listed PIs will be designated by the grantee institution and will be expected to share responsibility for directing the project or activity. As with current applications, peer reviewers will consider whether the designated PIs have appropriate training and experience to carry out the proposed study.

Further details are available online, or from [Walter Schaffer (ws11q@nih.gov)], Senior Scientific Advisor for Extramural Research, 301/402-2725.

Electronic Submission Now Required for all R03 and R21 Grant Applications

In other extramural research news, NIH, notoriously slow in moving into the online grant application age, has begun in earnest to transition into the electronic world. Effective June 1, 2006, NIH—along with the Agency for Healthcare Research and Quality and the Centers for Disease Control and Prevention—will no longer accept R03 (small grant) or R21 exploratory / development grant paper applications. Instead, a two-step electronic submission process will require registering first with NIH eRACommons and then with Grants.gov.

For current program announcements supporting R03, R21, and R01 grants, only R03 and R21 applications will require electronic submission. R01 grant applications are slated to join the transition to electronic submission by October 1, 2006. More [details] are available from NIH’s [GrantsInfo/Office of Extramural Research] (GrantsInfo@nih.gov) at 301/435-0714.

(Continued on page 15)
Arts

Grants Program, Reynolds and Reynolds Foundation [83378]
Deadline: 05/17/06, 08/16/06, 11/14/06
Scope: Cultural Arts: Emphasis is placed on support for non-profit arts organizations which promote enrichment of quality of life for regional residents; diversity; arts education for K-12 students.

Tiffany & Co. Foundation [GAN 08]
Deadline: May and November annually
Scope: The Tiffany and Co. Foundation provides grants to nonprofits committed to arts education and preservation.
Areas: -Preservation and Conservation - The foundation supports organizations that preserve the historic and cultural legacy of the arts through the preservation and conservation of national treasures. In addition, the foundation believes that skilled craftspersons are an essential ingredient to the field of arts and culture. The foundation awards grants to institutions providing talented artisans with the necessary instruction to become highly skilled professionals in jewelry and metalsmithing. - Decorative Arts - The foundation supports undergraduate and graduate educational institutions and programs dedicated to the study of jewelry and silver design. In addition, the foundation supports academic scholarship of American jewelry at the graduate and post-graduate level and bringing this study to the international level. The foundation also makes grants to exhibitions which focus on jewelry and silver.

Music Education, ASCAP Foundation
Deadline: 10/01/06
Scope: The ASCAP Foundation is a publicly supported charitable organization dedicated to supporting American music creators and encouraging their development through music education and talent development programs. As part of this mission, the foundation provides grants to organizations engaged in educational programs for aspiring songwriters and composers.
Funding: The average grant is approximately $5,000.
Objectives: The ASCAP Foundation will consider proposals from 501(c)(3) nonprofit organizations engaged in music education and talent development programs that are consistent with the mission and objectives of the ASCAP Foundation and which support music education programs for aspiring songwriters and composers.
The foundation does not consider requests for general operating support or annual giving campaigns, capital purposes, endowments, deficit operations, recordings, performance, or production funding.

Grants Program, Sparkplug Foundation [78937]
Deadline: 05/04/06
Scope: The sponsor supports projects primarily in three areas of focus: music, education and grassroots organizing. In all areas of focus, the sponsor is interested in making one-time grants for activities which create sustainable organizations and communities. While recognizing the importance of developing individual cultures, the sponsor favors projects that promote diversity.
Funding: The sponsor makes grants only for seed money, or to launch new ideas within existing projects.
Objectives: Music-The sponsor seeks to foster the expansion of musical ideas by supporting new projects which promote original programming and new performers.

Creative Connections, Meet the Composer, Inc. [70702]
Deadline: 06/01/06, 10/01/06
Scope: The sponsor provides support for American composers to participate in public activities related to specific performances of their original music. By supporting the composer's interaction with audiences, performers, arts organizations, and local communities.
Funding: Awards range from $250 to $5,000.

PatsyLu Music Fund Grants, Open Meadows Foundation [70555]
Deadline: 08/15/06
Scope: The sponsor funds projects that are designed and implemented by women and girls; projects which have limited financial access which reflect the cultural and ethnic diversity of our society and promote the empowerment of women and girls; and projects for social change that have encountered obstacles in their search for funding.
Funding: The sponsor provides grants of up to $2,000 to cover start-up expenses or to support on-going projects.
Objectives: The PatsyLu Music Fund will consider music projects from women who are composers, music educators, musicologists, performers (or in performing groups). The mission of the fund is to seek out women's music projects from women of ethnic, cultural, and racial diversity and especially the work of lesbians.

Grant Program, Rothschild (Judith) Foundation [63436]
Deadline: 09/15/06
Scope: The sponsor provides grants to present, preserve or interpret work of the highest aesthetic merit by lesser known American artists who have died after September 12, 1976.
Funding: The sponsor has no preset restrictions on the amount of a request, although previous grants have not exceeded $35,000.
Objectives: The primary emphasis is to promote public awareness of the scope of the artists' achievements as well as direct aesthetic experience of their work. Grants include support for: the organization of an exhibition; the acquisition of works of art for display and study in museums and public galleries; the development of accompanying public programs, films or videos; the preparation of publications; scholarly
An Eye on Funding (continued from page 2)

and critical pursuits; and the conservation, cataloguing, and safe-keeping of works of art. Preference will be given to those projects to which the applicants themselves have demonstrated a strong commitment. All qualifying work must meet the following criteria: work of the highest quality, regardless of style, by under-appreciated American artists, deceased after September 12, 1976; art in the following mediums: painting, including collage and relief, sculpture, and photography; and a clear and demonstrated need for such support.

Grants for Arts Projects--Learning in the Arts for Children and Youth, NEA [46842]

**Deadline:** 06/12/06

**Scope:** The sponsor provides support to advance arts education for children and youth in school-based or community-based settings.

**Funding:** An organization may request a grant amount from $5,000 to $150,000. Most grant awards will range from $10,000 to $100,000. Few grants will be awarded below $10,000; grants of $100,000 or more will be made only in rare instances, and only for projects that the sponsor determines demonstrate exceptional national or regional significance and impact. All grants require a match of at least one-to-one. Grants generally may cover a period of support of up to two years.

**Objectives:** This category supports in-depth, curriculum-based arts education experiences that occur over an extended period. Projects must provide participatory learning and engagement of students with skilled artists, teachers, and excellent art. All projects must include the following components: 1) the opportunity for students and their teachers to experience exemplary works of art, in live form wherever possible; 2) study of the art experienced including the acquisition of skills for practicing the art form where appropriate; 3) the performance/making of art within the discipline(s) studied; and 4) student assessment according to national, state, or local arts education standards.

Aaron Copland Fund for Music Performing Ensembles Program, American Music Center [16581]

**Deadline:** 06/30/06

**Scope:** The sponsor provides support for organizations whose performances encourage and improve public knowledge and appreciation of serious contemporary American music.

**Funding:** Grants range from $1,000 to $20,000 and are made for one year. Grant amounts for larger performing organizations with a demonstrated extraordinary commitment to recent American music may exceed normal amounts at the discretion of the panel. Applicants may request either general operating support or support for projects.

NYS Music Fund, Rockefeller Philanthropy Advisors

**Deadline:** The second round of applications deadline will be announced in June 2006.

**Scope:** The New York State Music Fund is a grant program of Rockefeller Philanthropy Advisors. The purpose of the Music Fund is to increase access to and appreciation of music of our time by audiences throughout New York State.

**Funding:** The fund currently holds $15,000,000.

**Objectives:** The Music Fund will support exemplary contemporary music of all genres being created by today’s composers and musicians including written compositions, jazz, music from around the world based in living classical or folk traditions, experimental music, and noncommercial forms of popular music including alternative rock, country, hip hop, and others. In addition to the creation and performances of new musical works, the Music Fund will support school and community-based educational programs, and recording and media dissemination projects that expand New York residents’ access to music.

**EDUCATION**

Grants Program, Sparkplug Foundation [78937]

**Deadline:** 05/04/06

**Scope:** The sponsor supports projects primarily in three areas of focus: music, education and grassroots organizing. In all areas of focus, the sponsor is interested in making one-time grants for activities which create sustainable organizing and communities. While recognizing the importance of developing individual cultures, the sponsor favors projects that promote diversity.

**Funding:** The sponsor makes grants only for seed money, or to launch new ideas within existing projects.

**Objectives:** Education--The sponsor seeks to promote living environments in which learning is a natural activity and a habit, rather than a periodic task. The Foundation values critical and investigative thinking, and supports projects which address class disparities in educational access.

Engineering Education Programs, NSF [86592]

**Deadline:** 08/15/06

**Scope:** The sponsor provides funding for research that contributes to the basic understanding of how students learn engineering.

**Objectives:** Research is sought that contributes to our basic understanding of how students learn engineering. The sponsor is looking for significant breakthroughs in understanding so that our undergraduate and graduate engineering education can be transformed to meet the needs of the changing economy and society. NSF is interested in research that addresses: the aims and objectives of engineering education, the content and organization of the curriculum, how students learn problem solving, creativity and design, new methods for assessment and evaluation of how students learn engineering, and research that helps us understand how to...
An Eye on Funding (continued from page 3)

Attract a more talented and diverse student body to all levels of engineering study. It is expected that successful proposals will most likely be comprised of multidisciplinary teams of engineers and other fields that bring expertise pertinent to learning research.

Grants Program, Longview Fd. for Education in World Affairs & International Understanding [63189]
Deadline: 07/06/06 for mandatory letters of intent.
Scope: The sponsor makes grants to promote learning about world regions, cultures, and global issues and to develop students’ world language and inter-cultural skills in pre-school through high school in the United States.
Funding: Grants are typically between $15,000 and $25,000.
Objectives: Grants are made to promote learning about world regions, cultures, and global issues and to develop students’ world language and inter-cultural skills in pre-school through high school in the United States. The foundation has identified the following priorities for its current grant-making:

Teachers and Schools: Grants in this area will be made to educational organizations for programs that assist teachers and schools in infusing international knowledge and skills into all curriculum areas. Proposals will be judged by the extent to which they are innovative, classroom focused, and are likely to have a broad and sustained impact. The foundation does not fund short-term workshops that are not connected to a larger strategy.

State Innovations: The state innovation grant program is designed to stimulate state policy action and the identification and dissemination of effective and replicable models of “best practice” in international education. The grants are made to encourage individual states to create concrete initiatives that are worthy of statewide and national adaptation. The foundation is interested in supporting collaborative initiatives that involve stakeholders such as the governor, state legislators, business leaders, leaders of state education agencies, teacher’s unions, parents and community representatives.

Unique Opportunities: The foundation is open to funding a small number of strategic and creative projects that have the potential for broad impact but do not fit into the above categories.

HEALTH & WELLNESS

Occupational Safety and Health Training Project Grants, NIOSH [84265]
Deadline: 08/24/06
Scope: The sponsor offers support for training project grants (TPGs) that are focused on occupational safety and health.
Funding: This PAR will use the NIOSH T01, T02, and T15 award mechanisms. The sponsor intends to commit approximately $3.0 million per year for new competing applications, competing renewal applications, and continuing awards. The number of awards for this program is between twenty and thirty depending on the quality of the applications and funds available. Each year the number of new competing and competing renewal awards will vary between one and ten depending on the number of five year awards that have ended. The anticipated start date for these awards is July 1 of the year following application submission and the maximum performance period that may be requested is five years.
Objectives: TPGs are academic institutions that provide graduate training in the core disciplines of Industrial Hygiene (IH), Occupational Health Nursing (OHN), Occupational Medicine Residency (OMR), Occupational Safety (OS), and other fields closely related to occupational safety and health (OSH). Special technical and other programs for long-term training of occupational safety and health technicians or specialists may also be supported. This program will support Masters and Doctoral training. The core disciplines are: OMR, OHN, IH, and OS. In addition to these core disciplines, in order to take full advantage of the unique strengths and capabilities of institutions, consideration will be given to the development of new and innovative academic component programs in allied disciplines that are relevant to the occupational safety and health field, e.g., ergonomics, industrial toxicology, occupational injury prevention, occupational epidemiology, occupational health psychology, occupational health services, and agricultural safety and health.

Research on Mind-Body Interactions and Health, Office of Behavioral and Social Sciences Research [81612]
Deadline: 06/01/06, 10/01/06
Scope: The sponsors offer support for research on mind-body interactions and health. "Mind-body interactions and health" refers to the relationships among cognitions, emotions, personality, social relationships, and health.
Funding: This funding opportunity will use the NIH Research (R01) award mechanism. Because the nature and scope of the proposed research will vary from application to application, it is anticipated that the size and duration of each award will also vary. Facilities and administrative costs requested by consortium participants are not included in the direct cost limitation.
Objectives: A central goal of this program is to encourage interdisciplinary collaboration and innovation towards understanding the processes underlying mind-body interactions and health as well as towards the application of such basic knowledge to interventions and clinical practice in the promotion of health and the prevention or treatment of disease and disabilities. Three areas of research are emphasized. In addition, special importance is given to mind-body research in diverse racial/ethnic and socioeconomic status populations (e.g., cultural beliefs regarding health and choice of treatments, such standard care vs. alternative or “folk” treatments; perceived racism and health;
Campus News— QUEST 2006

QUEST 2006 will be held on Wednesday, April 19, 2006.

Quest is a Symposium dedicated to sharing the scholarly and creative pursuits of faculty, staff and student of the State University of New York at Oswego. It is sponsored by the Scholarly and Creative Activities Committee, The Center for Excellence in Learning and Teaching, The Office of Research and Sponsored Programs, and the Office of the Provost.

The standard presentation is 12 minutes, with 3 minutes for questions. Other forms of presentations, such as panels, plays, readings, recitals, and symposia will be accepted to the extent facilities and scheduling permits.

The numbers of students attending QUEST has steadily increased over the years. This is because faculty have encouraged their classes to attend by building QUEST into their syllabi for the spring semester through assignments, extra credit options, or other ways.

The entire campus community (students, faculty, and staff) may participate in QUEST. Abstracts had to be submitted at the beginning of the spring semester, before Monday February 13th.

You can view abstracts from QUEST 2005 at: http://www.oswego.edu/celt/quest_05/quest.html

Professor John Daly has initiated the Helen Bohmer Daly Quest Award for Undergraduate Student Scientific Research. The award, which will be announced at Quest, will include a $1,000 stipend.

The award is to be given to an undergraduate student who is presenting his or her original research at Quest, and whose research involves the use of the scientific method. Eligible research might include controlled laboratory (Continued on page 15)

Campus Grants Timeline

For information and application materials for campus grants, visit our web site http://www.oswego.edu/administration/ORSP/ and look under Campus Grants & Awards.

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distrust of health care systems and health care utilization). The formation of multidisciplinary teams to perform the research of this initiative is viewed as essential.

The first area of emphasis is the effect of cognitions or personality (e.g., beliefs, attitudes, and values; modes of thinking) and of emotions on physical health. Included is research on social, psychological, behavioral, affective, and biological factors mediating these effects. What are the physiological, behavioral, and social pathways by which beliefs, attitudes, and values or particular stress-management interventions affect health? How do emotions, personality, and cognitions interact to affect health?

The second emphasis is on determinants or antecedents of health-related cognitions (beliefs, attitudes, or values; modes of thinking; decision-making styles). That is, given that some beliefs and attitudes have been shown to affect health, how are these beliefs, attitudes, and values developed, maintained, or changed?

The third is on how stress influences health, including: basic research investigating how affect, attitudes, beliefs, and values influence perceived stress, individual differences in the biology of stress, and interactions between stress and behavioral risk factors for disease; behavioral, affective, and biological mediators of the relationship between stress and health or disease; the evaluation of mind-body interventions (e.g., relaxation-based, cognitive therapy, or support group) for physical illness and/or biological functioning; and the translation of successful interventions into programs deliverable in clinical settings. These interventions may be examined alone or in conjunction with other stress management techniques.

**School-Based Interventions to Prevent Obesity, NICHD [80626]**

**Deadline: 06/01/02, 10/01/06**

**Scope:** The sponsor offers support for the formation of partnerships between academic institutions and school systems in order to develop and implement controlled, school-based intervention strategies designed to reduce the prevalence of obesity in childhood.

**Funding:** This PA will use the NIH Research Project Grant (R01), Small Grant (R03) and Exploratory/Developmental Grant (R21) award mechanisms. The small grant (R03) research mechanism should be used for support of pilot and/or feasibility studies for concepts that are sound and justifiable, but not sufficiently developed for the R01 mechanism. The R21 mechanism is intended to encourage new exploratory and developmental research projects and/or exploration of novel hypotheses and strategies.

**Objectives:** This initiative encourages evaluative comparisons of different intervention strategies, as well as the use of methods to detect synergistic interactions between different types of interventions. Possible areas within the school system that might be targeted for controlled interventions include the content of school curricula, teaching methodologies, staff education, physical education programs, the school environment, school food service programs, food service worker education, content and availability of vending machine snacks in school, school administrators, and parents.

Examples of research projects that would be responsive to this solicitation include, but are not limited to: curriculum changes designed to improve knowledge of healthy food choices and active lifestyles, and behavioral modification programs designed to attain healthy diets and active lifestyles; Specifically, this initiative encourages academic institutions and school systems to work together to develop and implement behavioral interventions designed to increase children's physical activity and/or decrease the amount of time that children devote to sedentary activities, such as watching television or playing computer games. Such interventions might involve curriculum changes or curriculum changes coupled with periods of increased physical activity, either before, during or after school. Interventions also might be designed to induce and maintain long-term behavioral change regarding eating habits, food choices, exercise habits, and lifestyle; evaluations of various controlled dietary interventions would also be responsive to this PA, for example, changes in school food service programs for school breakfast and/or school lunch. Intervention programs designed for parents who prepare their children's lunches would also be responsive.

**Career Development Grants in Occupational Safety and Health Research, NIOSH [79555]**

**Deadline: 06/01/06**

**Scope:** The sponsor invites grant applications for research related to occupational safety and health.

**Funding:** The maximum direct cost that may be requested is $100,000. Applications exceeding $100,000 in direct costs in any year will be considered unresponsive and returned without further consideration. Direct costs may include salary support (plus fringe benefits), technical assistance, equipment, supplies, consultant costs, domestic travel, publications, and other costs. The facilities and administrative costs will be reimbursed at eight percent of modified total direct costs.

**Objectives:** The overall purpose of the sponsor's program for Career Development Grants in Occupational Safety and Health Research is to make awards over a three-year period for investigators who intend to gain experience in a new research area and/or one in which an additional supervised research experience will substantially add to the research capabilities of the applicant. In either case, applicants would develop their research skills under the guidance of at least one mentor who is an accomplished investigator in the relevant research area. The program is open to candidates having faculty appointments and holding a Ph.D., M.D., D.V.M., D.O., or equivalent professional degree.
Welcome to the MERCK/AAAS-funded Undergraduate Science Research Program at SUNY Oswego. This program is made possible through a $60,000 grant awarded to Drs. Bendinskas (Chemistry), Chepko-Sade (Biological Sciences), and MacKenzie (Biological Sciences). This 10-week program will occur during the summers of 2006-2009 and will include funding for four (4) students each summer. Students will be selected through a competitive process that includes an on-line application followed by an interview.

**Student Benefits**
- Experience working on a research project
- $3,000 stipend for 10-week program
- Free on-campus housing and food (provided by the Dean of Arts and Sciences)

**Project descriptions**

**Development of a GHB-specific Detection Assay**
- The date-rape drug GHB has been used recreationally and to intoxic-ate victims of robbery and rape.
- The goal of this project is to develop an assay that can be used to detect GHB in liquids such as alcoholic beverages and bodily fluids.
- This project is a collaboration between Dr. Kestas Bendinskas (Chemistry) and Dr. Jim MacKenzie (Biological Sciences).

**Use of Physiological Indicators to Determine Stress Levels in Zoo Animals.**
- Holding wild animals in captivity causes stress to animals. This project involves studying captive grey wolves (Canis lupus).
- The goal of this project is to determine if Proteomics can be used to identify novel biomarkers of stress. Wolf stress levels will be confirmed using classical behavioral and biochemical measurements.

This project is a collaboration between Dr. Diane Chepko-Sade (Biological Sciences) and Dr. Kestas Bendinskas (Chemistry).

**Eye on Funding (Continued from page 6)**

who wish to develop research capabilities in research areas relevant to the mission of NIOSH.

A goal of this program is to provide "hands-on" research at the applicant institution, to enhance the institution’s science infrastructure, and to develop the research career and teaching skills of the candidate. By developing these capabilities, the candidate will expand the pool of well-trained scientists who contribute to solving occupational safety and health concerns and will be in a position to assist other investigators in the same way. Furthermore, the candidate will enhance his/her skills in training students and guiding them to pursuing advanced degrees in this field.

**NIOSH Exploratory/Developmental Grant Program, NIOSH [77653]**

**Deadline:** 06/01/06, 10/01/06

**Scope:** The sponsor provides support for research related to occupational safety and health. Eligible applicants are domestic and foreign for-profit or non-profit organizations, public or private institutions, such as universities, colleges, hospitals, and laboratories, units of state and local governments, eligible agencies of the federal government, faith-based or community based organizations, and Indian Tribes, Tribal Government, College and/or Organizations. The R21 award mechanism will be used.

**Funding:** This program will use the NIOSH R21 Grant award mechanism. The applicant may request a project period of up to two years with a combined budget for direct costs of up to $275,000 for the two year period. Normally, no more than $200,000 may be requested in any single year.

**Objectives:** Sponsor research programs support priority areas identified in the National Occupational Research Agenda (NORA) as well as applica-
The purpose of the NIOSH R21 is to encourage applications from institutions that are interested in testing innovative or conceptually creative ideas that are scientifically sound and may advance understanding of safety and occupational health. Another objective is to encourage necessary initial development to provide a basis for important future research that can be used in preventing occupational diseases and injuries. Examples of NORA and other occupational safety and health research program areas are as follows.

NORA Priority Research Areas are:

Grants Program, Stranahan Foundation [68571]
Deadline: 07/01/06, 11/01/06
Scope: The sponsor seeks to improve the quality of people’s lives through supporting organizations that give people the tools to become educated, healthy, self-reliant and contributing members of society.
Funding: The grant range is from $1,000 to $300,000. Smaller operating support funds are granted annually to some organizations. Larger grants are made under special circumstances.
Objectives: HEALTH CARE--The sponsor supports programs that: create better access to health care; support research to eradicate health crises; educate people to take better care of themselves; encourage cooperation and consolidation among healthcare providers; and support alternative health care methods.

HUMANITIES

Funding Exchange Invites Proposals for Paul Robeson Fund for Independent Media
Deadline: 05/15/06
Scope: Named to honor singer, actor, and civil rights activist Paul Robeson, the Funding Exchange's Paul Robeson Fund for Independent Media supports media activism and grassroots organizing by funding the pre-production and distribution of social issue film and video projects, as well as the production and distribution of radio projects made by local, state, national, or international organizations and individual media producers.
Funding: The maximum grant award is $20,000, and most grants will range between $5,000 and $15,000.
Objectives: We look for work that appeals to an informed general audience; gives evidence of high standards in editing, design, and production; promises a reasonable shelf life; might not otherwise achieve top quality or even come into being; and represents a contribution without which we would be the poorer. Book proposals to which a university press or trade publisher is already committed and for which there is a feasible distribution plan are usually preferred. In geographical reach we are drawn—but in no way limited—to New York City and to New York State and its Hudson Valley.

Furthermore Grants in Publishing, Kaplan (J.M.) Fund [79270]
Deadline: 09/15/06
Scope: Support is provided for writing, research, editing, design, indexing, photography, illustration, and printing and binding.
Funding: Grants range from $500 to roughly $15,000.
Objectives: We look for work that appeals to an informed general audience; gives evidence of high standards in editing, design, and production; promises a reasonable shelf life; might not otherwise achieve top quality or even come into being; and represents a contribution without which we would be the poorer. Book proposals to which a university press or trade publisher is already committed and for which there is a feasible distribution plan are usually preferred. In geographical reach we are drawn—but in no way limited—to New York City and to New York State and its Hudson Valley.

Fellowships and Faculty Research Awards, NEH [01078]
Deadline: 05/01/06
Scope: The sponsor provides support for individuals pursuing advanced research in the humanities that contributes to scholarly knowledge or to the general public’s understanding of the humanities.
Funding: Fellowships and Faculty Research Awards cover periods lasting from six to twelve months. An outright award of $24,000 supports a six- to eight-month grant period; an outright award of $40,000 supports a nine- to twelve-month grant period. The Fellowship award period must be continuous, and award recipients must work full time on the project. Teaching assignments or other major activities may
not be undertaken during the fellowship period. In exceptional circumstances, the sponsor may permit part-time awards. The Faculty Research Award period can be full- or part-time or a combination. The award period need not be continuous.

Objectives: Fellowships and Faculty Research Awards support individuals pursuing advanced research in the humanities that contributes to scholarly knowledge or to the general public’s understanding of the humanities. Applicants may be faculty or staff members of colleges or universities, or of primary or secondary schools, or independent scholars or writers. Recipients usually produce scholarly articles, monographs on specialized subjects, books on broad topics, archaeological site reports, translations, editions, or other scholarly tools.

The sponsor will also provide support for projects in the following areas: 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. Only applicants who qualify as junior scholars are eligible for support.

Research projects in the 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 the sponsor and the Japan-US Friendship Commission (JUSFC) through the Fellowships Program.

Preservation and Access Grants for Stabilizing Humanities Collections, NEH [45.149]
Deadline: 10/02/06
Scope: These grants help museums, libraries, archives, and historical organizations preserve their humanities collections through support for improved housing and storage, environmental conditions, security, lighting, and fire protection.
Funding: Awards are made for up to five years and typically range from $30,000 to $700,000. Successful applicants will be awarded a grant in outright funds, federal matching funds, or a combination of the two, depending on the applicant’s preference and the availability of NEH funds. Matching funds are released when a grantee secures gift funds from eligible third parties.

Objectives: Eligible activities include: - the purchase of storage furniture and the rehousing of humanities collections and materials that directly document the collections, such as field notes, site maps, or catalog records; - the improvement of environmental conditions under which collections are stored or exhibited (which may encompass the installation of climate control systems); and - the installation of security, lighting, and fire detection and suppression systems.

Grants Program, Humanities Washington [67306]
Deadline: 07/07/06 for mandatory letters of intent
Scope: The sponsor provides support for projects that have, as their primary purpose, the public presentation of insights gained from the humanities.
Funding: Applicants must at least match the amount granted. The sponsor will fund no more than fifty percent of the total project cost. The types of funding that may be applied to the applicant’s matching requirement include cash (applicant’s own and other gifts and/or grants) and third-party in-kind contributions of goods or services used to support the project. Examples of in-kind contributions include volunteer time, donated equipment, and donated printing services. Funds may be requested to cover any allowable expense in a public humanities project. Examples of allowable expenses include salaries and consultant fees; project-related travel and per diem, printing and publicity costs, telephone, equipment and facilities rental, and office supplies. Radio and website projects are eligible for grant funding.
Objectives: The sponsor provides support for projects that have, as their primary purpose, the public presentation of insights gained from the humanities. Project formats include exhibits, symposia and public forums, extracurricular school programs, lecture and discussion programs, cultural presentations, web sites, radio documentaries, and film and video projects that constitute part of a larger humanities program (the production of documentary films and videos is funded through the sponsor’s Documentary Film and Video Grants).

INTERDISCIPLINARY

Secondary Data Analyses Based on the NICHD Study of Early Child Care and Youth Development (NICHD) [83292]
Scope: The sponsor offers support for research to address questions about family, child care, school, and child development through analyses of existing data sets from the NICHD Study of Early Child Care and Youth Development. In particular, the sponsor would like to see the data sets used by psychologists, sociologists, economists, statisticians, educators, policy makers, and physician scientists.
Funds: This PA will use the NIH Research Project Grant (R01) and the NIH Small Grant (R03) award mechanisms. Applicants for an R01 may request a period of support of up to five years. Applicants for an R03 award may request a project period of up to two years and a budget for direct costs of up to two $25,000 modules or $50,000 per year. Small grant support is for new projects only; competing continuation applications will not be accepted. Because the nature and scope of the proposed research will vary from application to application, it is anticipated that the size and duration of each award will also vary. Facilities and administrative costs requested by consortium participants are not included in the direct cost limitation.
Objectives: This initiative is aimed at
encouraging scientists to answer their research questions pertaining to family, child care, school and child development by analyzing the detailed, comprehensive and well documented longitudinal data sets from the National Institute of Child Health and Human Development (NICHD) Study of Early Child Care and Youth Development (SECCYD). The sponsor expects that the use of data sets from the NICHD SECCYD will lead to original papers by scientists with different interests, trained in different disciplines. Research questions that may be answered with data from the NICHD SECCYD pertain to many topics including, but not limited to the following: family demographic characteristics and their stability over time; family social/psychological processes and their stability over time; social processes among the sub-sample of African American families; social processes in White families; patterns of mothers' employment when their children are infants, toddlers, preschoolers and at school; the tapestry of child care arrangements used for infants, toddlers and older children; child-adult interaction from infancy onwards; peer interaction; specific aspects of the child-rearing environment in the family context, in childcare and at school as predictors of theoretically relevant aspects of child development at one developmental period or over time; the quality of academic instruction; the quality physical education; the after-school experiences of children; developmental patterns of social, cognitive, language, achievement and health outcomes; the relations between different outcomes (e.g., attention and sociability) as they unfold over time; and/or mediators and moderators of children's developmental outcomes.

Grants Program, Monsanto Fund [65971]
Deadline: 07/01/06
Scope: The sponsor provides support to non-profit, tax-exempt organizations in four priority areas: agricultural abundance, the environment, science education, and our communities. Grants are made both within and outside the U.S.

**Funding:** The average size grant is $22,000, but can range from $250 to $1,2 million. For applicants from outside the U.S., all requests must be for a minimum of $25,000.

**Objectives:** All of the sponsor's giving falls into four priority areas that are aligned with Monsanto's business focus: Improving Nutritional Well Being through Agriculture, The Environment, Science Education and Our Communities.

Improving Nutritional Well Being through Agriculture--the sponsor is dedicated to making a contribution to improving nutritional well-being through projects that are rooted in agriculture, one of the pillars of good nutrition. The sponsor will pursue our work through partnerships and collaborations with local, national, international development NGO's, research institutions and governments. Some areas of interest include: training families in sustainable agricultural techniques to improve the management of farmland and increase food production and the availability of nutritious foods; improving education about and access to food and good nutrition through school gardens and nutrition education, seed banking and training, and animal husbandry; research focused on reducing the incidence of vitamin deficiency; and research that reduces the impact of pest and virus on subsistence crops.

The Environment--the sponsor is dedicated to environmental education and preservation of natural areas so that they will continue to be available, both to this generation and those to come. Some areas of interest include: curriculum development for school-aged children; enhanced soil fertility and health; community awareness and education; and preservation projects.

Science Education--the sponsor is dedicated to the belief that the more young people understand the necessity for science literacy, the more they will be able affect the quality of their lives in the years ahead. Some areas of interest include: innovative science education programs; training for teachers; collaborations in science literacy; and development of new curricula.

Our Communities--the sponsor is dedicated to enhancing the communities where its people live and work. Some areas of interest include: arts and cultural events; education; capital projects, like building libraries or clinics; special events; local environmental projects; and human needs/services.

Industry/University Cooperative Research Centers--Planning Grants, NSF [08295]
Deadline: 06/30/06 deadline dates refer to mandatory letters of intent. If invited full proposals will be due September 30, 2006.

Scope: Support is provided to academic institutions to plan joint industry/university research interests and to determine the feasibility and viability of developing a cooperative research center.

**Funding:** Each grantee is required to certify that it will provide twenty-five percent cost sharing of the annual membership fees generated by that institution for research in the center. Four to six awards are available.

**Objectives:** This program develops long-term partnerships among industry, academe, and government. Research centers are catalyzed by a small investment from the sponsor and are primarily supported by industry center members, with NSF taking a supporting role in their development and evolution. Each center is established to conduct research that is of interest to both the industry and the center. An I/UCRC contributes to the Nation's research infrastructure base and enhances the intellectual capacity of the engineering and science workforce through the integration of research and education. A planning grant supplies funds to study the feasibility of developing the industry/university interaction necessary to establish and support a Center. As part of this study, it is a requirement...
that a meeting that brings together potential members to explore opportunities and establish a research plan that fits their needs be held.

Grants Program, Lawrence Foundation [68740]
Deadline: 08/01/06
Scope: The sponsor makes charitable contributions and grants to support educational, environmental, health and other causes.
Funding: Contribution and grant amounts will vary. The duration of grants will be typically for a single year.
Objectives: The initial focus of the sponsor's contributions and grants will be education, environment and health although their interests are fairly diverse and may lead into other areas on an occasional basis.

Corporate Contributions, Constellation Energy Group [68120]
Deadline: 05/01/06
Scope: The sponsor provides support to make social investments addressing education, economic development, and environmental needs.
Objectives: The sponsor’s target is to make social investments addressing education, economic development, and environmental needs.
Education -- The sponsor recognizes that education is the foundation of both personal and economic growth. The sponsor supports educational programs in areas where its employees live and work. It also administers a Matching Gifts Program for higher education to encourage employees to join the company in financially supporting institutions of higher learning in which they have an interest.
Economic Development -- The sponsor provides support that promotes job creation and retention and stable communities. It supports programs designed to achieve business and civic goals, such as creating jobs for people of all levels of skill and training. The sponsor recognizes the important contribution that arts and cultural programs make to the quality of life in its communities and to the economic development of our region.
Environmental -- Consistent with its corporate environmental policies, the sponsor supports environmental programs that seek solutions to environmental concerns and protect and preserve natural resources.

Science and Engineering, Medical Research, and Liberal Arts, Keck (W. M.) Foundation [01692]
Deadline: 05/01/06 for mandatory letters of intent.
Scope: Grants are provided for studies and programs in the areas of science, engineering and medical research. Eligible institutions in these fields are accredited four-year colleges and universities, medical schools, and major, independent research institutions located in the United States. The sponsor also funds programs designed to promote innovative instruction and research at leading liberal arts colleges across the nation.
Funding: Requests for more than $5.0 million will be designated as a Special Project and considered separately from other inquiries. The review period for Special Projects does not necessarily conform to the established grant cycle.
Objectives: Requests for more than $5.0 million will be designated as a Special Project and considered separately from other inquiries. The review period for Special Projects does not necessarily conform to the established grant cycle.

SCIENCES

Alternatives Research, Alternatives Research & Development Foundation
Deadline: 04/30/06
Scope: As part of its continuing efforts to encourage the utilization of alternatives to traditional uses of laboratory animals in basic research, testing, and education, the Alternatives Research & Development Foundation solicits research proposals to develop such methods.
Funding: Maximum grant is $4,000.

Interdisciplinary Training for Undergraduates in Biological and Mathematical Sciences, NSF [73519]
Deadline: 05/18/06
Scope: The sponsor provides support for projects designed 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.
Funding: Total award sizes for Institutional projects should not exceed an average of $200,000 per year. For example, an award for a project of five years duration is limited to a maximum of $1 million. Total award sizes for Group projects should not exceed $80,000 per year. For example an award for a project of three years duration is limited to a maximum of $240,000. An administrative allowance, limited to twenty-five percent of the participant stipend support only, is allowed for UBM awards in lieu of indirect costs.
Objectives: The sponsor provides opportunities for funding of undergraduate education and training efforts that integrate the biological sciences and mathematical sciences. Such efforts are expected to: be grounded in research activities involving both mathematical and biological sciences; connect to regular academic studies, influencing the direction of academic programs for a broad range of students; involve students from both areas in significant research experiences that connect to research at the intersection of the disciplines; and show commitment to joint mentorship by faculty in both fields. Projects should contribute substantially to an enhanced and sustainable undergraduate educational enterprise that strengthens mathematical training or education for those students studying biology and interdisciplinary training.
An Eye on Funding (Continued from page 11)

for those studying mathematics.

Math and Science Partnership Program, NSF [64831]
Deadline: 05/17/06, optional letters of intent are due 04/14/06.
Scope: This program is a major research and development effort that supports innovative partnerships to improve K-12 student achievement in mathematics and science. Projects are expected to both raise the achievement levels of all students and significantly reduce achievement gaps in the mathematics and science performance of diverse student populations. Successful projects serve as models that can be widely replicated in educational practice to improve the mathematics and science achievement of all the Nation's students. The sponsor seeks to support three types of projects: Institute Partnerships – Teacher Institutes for the 21st Century; and a focused set of Research, Evaluation and Technical Assistance (RETA) projects that directly support the work of the Institutes.

Funding: Awards for Institute Partnerships will be made for up to five-year durations and for average annual budgets of up to $1M, commensurate with the geographic reach of the Institute (i.e., national or regional/local) and expected numbers of participants. This award amount is to include participant support and other subsistence. Teacher stipends of at least $1,000 per week for structured, summertime Institute participation are to be included, where a week is defined as five days (totaling thirty or more hours) and where local district policies are not in conflict with such stipends. Stipends for structured academic-year participation are prorated, as appropriate or needed. Appropriate participant support for subsistence (e.g., travel, lodging, instructional materials/supplies for teachers) is also to be included, together with a supporting rationale. RETA awards will be made for up to three-year durations and for average annual budgets of up to $500,000.

Objectives: This program seeks to improve K-12 student achievement through a sharp focus on three interrelated issues: ensuring that all students have access to, are prepared for and are encouraged to participate and succeed in challenging and advanced mathematics and science courses; enhancing the quality, quantity and diversity of the K-12 mathematics and science teacher workforce; and developing evidence-based outcomes that contribute to our understanding of how students effectively learn mathematics and science. K-20 education organizations (that is, colleges and universities offering graduate and/or undergraduate programs, and K-12 schools and school districts) are critical partners in all Institute Partnership projects. Specifically, disciplinary faculty in departments of mathematics, the sciences and/or engineering with education faculty and administrators in higher education partner organizations join administrators, teachers of mathematics and the sciences and guidance counselors in K-12 partner organizations in efforts to effect deep, lasting improvement in K-12 mathematics and science education.

Furthermore, the partner organizations commit to implementing the K-20 institutional change necessary to sustain Partnerships' successes in the long-term; this includes the continued participation of mathematics, science and engineering faculty in work that clearly results in improved K-12 student and teacher learning.

Institute Partnerships: Teacher Institutes for the 21st Century: An Institute Partnership is expected to immerse teachers for a multi-year program of rigorous and appropriate courses and experiences that provide coherent study within a particular discipline(s). In the Institute, teachers will focus on the intellectual substance of the subject they teach and the special knowledge needed for its teaching, interacting with other professionals who teach and do research in their field of expertise. Teachers broaden, deepen and/or update their disciplinary knowledge and, as a result, emerge from the experience with increased confidence, becoming more effective practitioners.

A RETA proposal calls for proposals that build and sustain the capacity of the nation's STEM disciplinary faculty for educational work by engaging the national disciplinary or professional societies to assist STEM faculty and university administrators in preparing to work effectively in K-12 mathematics/science education; and/or leverage the considerable influence of the societies in identifying and promoting the institutional changes in higher education that are critical for sustaining faculty engagement in K-12 STEM education and for proposals that directly support or inform the work of the Institute Partnerships through: research on the characteristics that define teacher intellectual leadership in K-12 mathematics and the sciences, and the factors that contribute to its development; and development of tools that assess teachers' growth in the knowledge of mathematics or the sciences needed for teaching, especially for grades 9-12.

Grants Program, American Honda Foundation [09372]
Deadline: 05/01/06
Scope: The sponsor provides grant support for projects in the areas of youth and scientific education.
Funding: Average grants range from $40,000 to $80,000 per year.
Objectives: Programs related to youth and scientific education should be:
- dedicated to improving the human condition of all mankind; soundly managed and administered by enthusiastic and dedicated individuals who approach their jobs in a youthful way; look to the future or foresightful programs; and innovative and creative programs that propose untried methods which ultimately may result in providing solutions to the complex cultural, educational, scientific and social concerns currently facing the American society.

Collaborative Research for Molecular and Genomic Studies of Basic Be-
behavior in Animal Models, NIGMS [85825]

Deadline: 06/01/06, 10/01/06

Scope: The sponsors offer support for collaborative research, involving behavioral scientists and investigators with expertise in molecular biology and/or genomics, which addresses questions about basic mechanisms of behavior in animal models.

Funding: This PA will use the R01 award mechanism. The number and size of the awards will depend on the number of applications received, their relative scientific merit, and the general availability of funds for investigator-initiated research. Facilities and administrative costs requested by consortium participants are not included in the direct cost limitation.

Objectives: The sponsors invite submission of investigator-initiated research grant applications to support collaborative research, using molecular and/or genomic approaches to address questions about basic mechanisms of behavior in animal models. The purpose of the initiative is to facilitate collaborations between behavioral scientists and investigators with expertise in state-of-the-art molecular biology and/or genomics. Applicants may propose studies on any non-human vertebrate or invertebrate animal species. The organism should be amenable to state-of-the-art molecular and/or genomic analysis. It may be an established model for some aspect of human behavior whose utility is limited because the behavior has not yet been characterized on a molecular level or because tools to facilitate some aspect of molecular analysis of the behavior have notyet been developed. Alternatively, the organism may be one that has potential as a model for some aspect of human behavior for which good models are currently lacking. NICHD is interested in research that addresses questions related to normal and abnormal development. NIGMS is interested in research that addresses questions related to non-developmental aspects of behavior, or to developmental aspects of behavior other than those that are of interest to NICHD.

Research Experiences for Undergraduates—Sites, NSF [06515]

Deadline: 06/07/06

Scope: The program supports active research participation by undergraduate students in any of the areas of research funded by the National Science Foundation.

Funding: In FY 2006, the sponsor anticipates investing approximately $33 million (pending availability of funds) in approximately one-hundred and fifty new Supplement and Site awards. REU Site awards have durations of one to five years, with a three-year duration being typical in most NSF directorates.

Objectives: 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 Sites are based on independent proposals to initiate and conduct projects that engage a number of students in research. REU Sites projects may be based in a single discipline or academic department or multi-department research opportunities with a coherent intellectual theme. Proposals with an international dimension are welcomed. A partnership with the Department of Defense supports REU Sites in DoD-relevant research areas.

Cognitive Neuroscience, NSF [NSF06-557]

Deadline: 07/14/06

Scope: The Cognitive Neuroscience program seeks highly innovative proposals aimed at advancing a rigorous understanding of how the human brain supports thought, perception, affect, action, social processes, and other aspects of cognition and behavior. Topics may bear on core functions such as sensory, learning, language, reasoning, emotion, and executive processes, or more specialized processes such as empathy, creativity, representation of self and other, or intentionality, among many other possibilities. Topics may also include how such processes develop and change in the brain.

Objectives: The program is particularly interested in supporting the development of new techniques and technologies for recording, analyzing, and modeling complex brain activity. Such projects should include a plan for sharing new software and other technologies with the research community at large.

Studies of disease states (e.g., brain damaged patients) may be components of projects supported by this program. However, the emphasis in such projects must be to advance basic scientific understanding of neural mechanisms, and not on disease etiology, diagnosis, or treatment.

The program also intends to foster projects that integrate perspectives across disciplines, e.g., from the cognitive sciences, developmental sciences, biology, computer science, engineering, education, anthropology, physics, mathematics and statistics. For example, projects that involve collaborations among individuals with expertise in one of the cognitive sciences, neuroimaging, neural microcircuitry, and modeling complex systems are strongly encouraged. Other interdisciplinary emphases are also of keen interest. Examples of appropriate grant proposals include, but are not be limited to, the following. It is to be expected that scientific advances will overtake many of the following issues, and that other research and development matters will emerge as key enablers to progress in basic cognitive neuroscience.

Approaches addressing research questions with a novel range of techniques (e.g., using neuroimaging, lesion-deficit data, and computational modeling).

Hypotheses based on cognitive/behavioral/social/developmental research that lead to tests either of systems level or neuro-computational models of psychological processes. The computational models should involve vertical integration over realistic neural
An Eye on Funding  (Continued from page 13 )
circuitry at specified scales.
Development of new methods for acquisition-time representation of functional neuroimaging data, e.g., providing output which can be used to control online continuous, experimental manipulations of behavioral/cognitive (stimulus) variables.
Study of the relation between cognitive/behavioral performance and structural features of brain such as white/gray matter ratio, neurotransmitter sites, connectivity maps, unfolded topological models of cortex, morphology, or diffusion tensor imaging.
Integrated use of techniques involving both human and animal models to provide convergent evidence about a specific research problem (e.g., the neural codes for perceptual representations, the role of endogenous neurochemicals in social bonding).
Development of quantitative techniques for meta-analysis and modeling of functional neuroimaging data with respect to localization, temporal dynamics, and componental modeling of cognitive/behavioral processes.
Neuroimaging of the infant and child brain for comparison with adults in order to understand the development of functional brain organization.
Development of new methods for characterizing the morphology of activation clusters in neuroimaging data (going beyond the stereotactic location of peak activation).
Comparative gene expression studies in nonhuman primates of the neural regions governing higher cognitive functions within a biological framework.
Study of the development and character of specialization of brain areas for particular cognitive, perceptual, affective, and action processes.
Development of new techniques for integrating independent measurements of the dynamic interactions in time and space of specific neural activity.
Mathematical analyses of stable individual differences in brain organization (e.g., modeling individual differences in localized neural activity for elementary psychological operations).
Adaptation of advanced experimental psychology methods for adults and children afflicted with neurological or cognitive impairments in order to characterize more fully the effects of dysfunctions of specific brain areas, clarifying thereby the functions of those areas. (For instance, do brain areas compromised by Parkinson's Disease support non-motor cognitive or executive functions?)
The effect of environmental factors (impoverishment or enrichment) on the development and function of specific brain areas.

Environmental Remediation Science Program, DOE [DE-FG02-06ER06-12]
Deadline: Preapplications should be submitted by April 14, 2006. Full proposals are due on 06/15/06.
Scope: The Office of Biological and Environmental Research (OBER) of the Office of Science (SC), U.S. Department of Energy (DOE), hereby announces interest in receiving applications for research grants in the Environmental Remediation Sciences Program (ERSP). The goal of the ERSP is to support innovative, fundamental research investigating coupled chemical, biological and physical processes affecting the transport of DOE-relevant contaminants within the subsurface at DOE sites leading to new or improved subsurface remediation techniques and a sound foundation for remedial action decisions important to long-term site stewardship. This solicitation addresses several science elements previously addressed under the Natural and Accelerated Bioremediation Research (NABIR) program and the Environmental Management Science Program (EMSP) and reflects the merger of these two programs into the ERSP. Applications should address hypothesis-driven research to define biologically-mediated and/or hydrogeochemical processes influencing the form and mobility of DOE contaminants and provide the basis for development of new remediation concepts or strategies for long term stewardship. Applications should address the applicability of the proposed research to DOE relevant contaminant transport processes occurring in the field. The environment of interest is the terrestrial subsurface below the zone of root influence including both the vadose zone (unsaturated) and the saturated zone (groundwater and sediments). Phytoremediation is not addressed in this Notice. Specific Science Elements of interest to this Notice include: 1) Subsurface Biogeochemistry; 2) Subsurface Microbial Ecology and Community Dynamics; 3) Innovative Field-scale Remediation and Long-Term Stewardship Research; 4) Novel Measurement and Monitoring Concepts, and; 5) Exploratory Research.

Basic Research for Solar Energy Utilization, DOE [DE-FG02-06ER06-15]
Deadline: Required preapplications are due 06/05/06. Full proposals are due on 11/14/06.
Scope: The Office of Basic Energy Sciences (BES) of the Office of Science (SC), U.S. Department of Energy (DOE), in keeping with its mission to assist in strengthening the Nation's scientific research enterprise through the support of fundamental science and the experimental tools to perform basic research, announces its interest in receiving applications for basic research in the area of solar energy utilization. This Notice solicits innovative basic research applications to establish the scientific basis that underpins the efficient capture, conversion, and utilization of solar energy in a cost-effective manner. We seek to support outstanding fundamental research programs that will lead to key discoveries and conceptual breakthroughs to make sunlight as the practicable solution to meet our compelling need for clean, abundant sources of energy.
Funding: It is anticipated that up to $20 million annually will be available for multiple awards for this notice. Initial awards will be in Fiscal Year 2007,
Computational Science Training for Undergraduates in the Mathematical Sciences, NSF
Deadline: 06/27/06, 10/17/06
Scope: The goal of Computational Science Training for Undergraduates in the Mathematical Sciences (CSUMS) is to enhance computational aspects of the education and training of undergraduate students in the mathematical sciences -- mathematics and statistics -- and to better prepare these students to pursue careers and graduate study in fields that require integrated strengths in computation and the mathematical sciences. The core of the activity is long-term research experiences for cohorts of at least six undergraduates. Projects must focus on research topics that require interplay between computation and mathematics or statistics. They should expose students to contemporary mathematics, statistics, and computation, addressed with modern research tools and methods. That is, projects must be genuine research experiences rather than rehearsals of research methods. Interdisciplinary projects are encouraged, and appropriate mentorship from the disciplines involved is welcomed. In addition, we expect that projects will strengthen the research and education capacity, infrastructure, and culture of the participating institutions. To this end, we welcome projects that create models for education in the mathematical sciences and influence the direction of academic programs for a broad range of students. CSUMS is a joint effort of the Education and Human Resources (EHR) and the Mathematical and Physical Sciences (MPS) directorates at the National Science Foundation (NSF).
Funding: 7 to 15 - Three-year to five-year projects, as well as shorter projects, are appropriate. $2,000,000 in FY 2006, pending availability of funds.
Objectives: CSUMS provides opportunities for funding of undergraduate education and training efforts that integrate the mathematical sciences with computation. Such efforts:

- Must be grounded in research activities involving both computation and the mathematical sciences;
- Should connect to regular academic studies, influencing the direction of academic programs for a broad range of students;
- Must involve groups of students in significant research experiences that involve both computation and the mathematical sciences; and
- Must show commitment of faculty to mentoring of the undergraduate students.

Proposals for durations of up to five years are invited, and we encourage projects of a five year duration. Long-term projects will be reviewed in the third year; fourth- and fifth-year funding will depend on the outcome of this review. Proposals for shorter terms of one or two years are also invited; these may be appropriate as, for example, pilot projects that could lead to longer-term efforts. In either case, research activities should focus on areas funded by the Division of Mathematical Sciences (DMS). In this regard, note that DMS funds research grants whose research spans the full range of NSF disciplines. Therefore, CSUMS proposals may appropriately incorporate interdisciplinary research experiences. We encourage such research projects in CSUMS proposals.

CSUMS proposals that offer interdisciplinary research experiences are particularly encouraged. However, they must take care to show appropriate mentoring in the relevant disciplines for the undergraduate participants -- including, if necessary, senior mentors from the other disciplines.

The Sigma Xi and ORSP (Office of Research & Sponsored Programs) Scientific Research Award, in the amount of $100, shall be given annually to the two best research projects presented at QUEST by students.

If you require additional information about QUEST 2006, please feel free to contact Bill Bosch by phone at Ext. 2875 or e-mail celt@oswego.edu.

Hot News from NIH
(Continued from page 1)

Electronic Application Submission Process ListServ
Finally, to help the behavioral and biomedical research community to keep informed of evolutions in its electronic submission requirements, NIH’s Office of Extramural Research has established two listservs to provide periodic updates on its electronic grant application program. Investigators and administrators are encouraged to [subscribe] (Listserv@listserv.nih.gov) either to the listserv for Scientists, Researchers and Principal Investigators or to the listserv for Institutional Officials, Administrative, and Business Personnel.

American Association of State Colleges and Universities
1307 New York Avenue, NW, Fifth Floor
Washington, DC 20005
202.293.7070

 QUEST 2006
(Continued from page 5)

and applications may request project support for up to three years. All awards are contingent on the availability of funds and programmatic needs.
The Office of Research and Sponsored Programs (ORSP) is responsible for the development, coordination and financial management of all contracts and grants at the College. All externally sponsored projects for research, scholarly / creative activity, curriculum development or services utilizing SUNY Oswego facilities and / or personnel must be processed and administered through ORSP.

A project is externally sponsored if a grant or contract is awarded to the College in support of a specific activity. For example, external sponsors consist of federal and state agencies, private foundations, business and industrial enterprises, local and state governments and professional organizations. Sponsored projects include, but are not limited to, research, conferences, curriculum development, workshops, meetings, special events and scholarly and creative activities.

**ORSP Pre-Award Services Available**

1) Maintain a faculty/staff profile of research and special projects interests
2) Match faculty/staff projects with potential sponsors
3) Notify faculty/staff of funding opportunities appropriate to their interests
4) Maintain a current resource collection of funding sources
5) Obtain guidelines and application forms
6) Assist with interpret guidelines and preparation of agency forms
7) Provide technical and editorial critique of proposals
8) Discuss budget categories and provide assistance with the development of an appropriate inclusive budget
9) Assist with the development of competitive proposals
10) Submit assurance reports and policies to maintain an approved institutional animal care and use committee and human subject committee in compliance with state and federal procedures
11) Review of final application
12) Obtain administrative approvals
13) Submit proposals by mail or electronically per sponsor specifications
14) Negotiate grant awards and contracts
15) Establish a Research Foundation project account

ORSP Pre-Award works in conjunction with other campus resources such as Penfield Library, Instructional Computing Center, Learning Resources, Center for Excellence in Learning and Teaching to provide necessary services to project activity and appropriate reimbursements. It is essential that Project Directors discuss their anticipated needs during budget development prior to proposal submission to ensure adequate funds are allocated for these campus services.

**ORSP Contact Information**

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