Grant advances new engineering program

Dr. Rachid Manseur of SUNY Oswego’s computer science department has received a grant from the Engineering Information Foundation to ensure that the college’s new program in electrical and computer engineering prepares graduates with the communication skills they will need to be successful.

Manseur joined Oswego’s faculty last year to begin developing the new program, which is scheduled to become Oswego’s second engineering program when it is approved in the next couple of years. Software engineering was approved this fall.

“Engineers have to present their work to a variety of people and defend it,” Manseur explained. “Engineers design products. They need to defend their products, their design choices, and explain why they decided to do things the way they did. They really need good communication skills.”

The EiF grant of $25,000 will fund a multidisciplinary team of Oswego faculty members to work on the best way to infuse modern communication education and training into the engineering program plan.

The team includes participants in the college’s Center for Communication and Information Technology: Cara Brewer Thompson of the graphic design program, Dr. Kristen Eichhorn of the communication studies faculty and David Vampola, director of the information science program.

Manseur said he hopes to begin offering courses in electrical and computer engineering by next fall and for the new degree program to receive all approvals by fall 2010.

The new program, projected to enroll about 120 students, will help meet a clear need, Manseur said. “There is a high demand for electrical and computer engineers,” he said, including in Central New York with such companies as Novelis, Welch Allyn and Lockheed Martin. “Engineering is everywhere—agriculture, medicine… You can’t find an area where electrical and computer engineering does not have a significant impact.”

And engineering is important to the economy, he added.

“Engineering is now the subject of a lot of discussion and investment,” he said. “The reason engineers are so important to the economy is that they are the creators of wealth. They create new products. They stimulate the economy. Many of them end up creating new companies in the high technology area.”

Noting that China graduates about 10 times as many engineers as the US does, he said, “It becomes almost a matter of national security. We need to graduate more qualified engineers.”

Campus Update, November 11, 2009
Proost's Award

The Provost's Award, in the amount of $500, shall be given annually by the Provost of Oswego State University to a junior member or members of the full-time faculty and staff on continuing appointment and with a minimum of three years of service at Oswego. This award, which is designed as a recognition of a career of significant accomplishment in scholarly or creative activity or research, may be received only once.

For complete details visit our web site.

Campus Grants & Awards Timeline

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

<table>
<thead>
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<th>PROGRAM</th>
<th>DEADLINE</th>
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| FACULTY—Scholarly & Creative Activity Grants | Fourth Monday in October  
Second Monday in February |
| STUDENTS—Graduate & Undergraduate Scholarly & Creative Activity Grants | First Monday in November |
| FACULTY—President’s Award for Scholarly & Creativity and Research | January 31, annually |
| FACULTY—Provost's Award for Scholarly & Creativity and Research | January 31, annually |
| FACULTY & STUDENTS—Student/Faculty Collaborative Challenge Grants | Second Monday in February |
| FACULTY—Curriculum Innovation Grants | First Monday in March |
About—Bonnie Prime

NAME:  Bonnie Prime

TITLE:  Financial Resource Manager at WRVO

HOW LONG HAVE YOU BEEN AT OSWEGO? I have been employed by WRVO/ Research Foundation of SUNY for almost 5 years.

HOW WOULD YOU DESCRIBE YOUR JOB AND RESPONSIBILITIES? I am part of the Development Department at the station. My duties include: scheduling the company (underwriter) on-air spots, handling the data entry, billing, invoices, contributions and payments for our members and underwriters.

WHAT IS YOUR FAVORITE PART OF WORKING AT OSWEGO? I love the atmosphere and energy of the campus community. I find everyone very friendly and helpful and enjoy the interaction with students. I appreciate the beauty of the campus and enjoy witnessing the growth and improvements during my lunch hour walks.

WHAT ACHIEVEMENT ARE YOU MOST PROUD OF? At this point in my life, having raised two children and watching them grow into wonderful young adults. My step-daughter is working and pursuing a degree in Business Administration and my son is a Freshman here at SUNY Oswego, majoring in Software Engineering.

DO YOU HAVE ANY HOBBIES? I love being outdoors gardening, home improvement, baking, reading, bargain shopping, traveling or just spending time with family and friends.

WHAT CAN YOU TELL US ABOUT YOUR FAMILY (SIGNIFICANT OTHER, CHILDREN, PETS, AREA OF RESIDENCE. I have been with my husband, Mike, 29 years, married for 24. He is retired from the Oswego Co. Sheriff’s Dept. We have two children, Denise (33) and Michael (19), and a grandson, Zachary (8). We reside in Fulton with our tabby cat, Kismet.

Upcoming Workshops

Objectives & Goals
Place: Penfield Library, Room 123
Time: 3:00 p.m. to 4:00 p.m.
Date: Friday, January 22, 2010

Grant Application Basics
Place: Penfield Library, Room 123
Time: 3:00 p.m. to 4:00 p.m.
Date: Friday, February 26, 2010

SPIN (Sponsored Program Information Network)
Place: Penfield Library, Room 123
Time: 3:00 p.m. to 4:00 p.m.
Date: Friday, March 26, 2010

Budgets
Place: Penfield Library, Room 123
Time: 3:00 p.m. to 4:00 p.m.
Date: Friday, April 30, 2010
An Eye on Funding—Current Funding Opportunities

ARTS

Moore (Henry) Foundation, Grants Programme [28697]
Deadline(s): 02/03/10, 05/05/10, 09/08/10
Synopsis: The sponsor aims to advance the education of the public by the promotion of their appreciation of the fine arts and in particular the works of Henry Moore. Support is concentrated on sculpture. Funding amounts will vary dependent on application.
Objectives: The sponsor's grant categories include: New Projects; Collections; Research and Development; Fellowships; and Conferences, Lectures, and Publications.

Graham (Elizabeth Firestone) Foundation, Grants Program [48257]
Deadline: 03/15/10
Synopsis: Support is provided to foster awareness and appreciation of contemporary visual art, particularly through catalogues and other publications that document art produced by emerging or under-recognized artists. Grant amounts typically range from $5,000 to $20,000.
Objectives: The sponsor is interested in projects that attempt to bring together artists and the community, support artists from marginalized populations, and provide exposure to contemporary art where it may not otherwise be seen. Funding is available for: exhibition catalogues and brochures, publications related to the grantee organization and its programs or collections, exhibitions and installations (on- or off-site), visiting artist programs, and film projects in their final completion phase.

EDUCATION

American Honda Foundation [09372]
Deadline(s): 02/01/10, 05/01/10
Synopsis: The sponsor provides grant support for projects in the areas of youth and scientific education. Average grants range from $20,000 to $60,000 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. The sponsor defines "youth" as prenatal through 21 years of age. "Scientific education" encompasses both the physical and life sciences, mathematics and the environmental sciences.

Arts Midwest, The Big Read [88321]
Deadline: 02/02/10
Synopsis: The program is an initiative designed designed to restore reading to the center of American culture. Selected organizations receive grants ranging from $2,500 to $20,000.
Objectives: The purpose of The Big Read is to give communities the opportunity to come together to read, discuss, and celebrate one of 30 selections from American and world literature. This initiative supports innovative reading programs in selected communities, providing engaging educational resources for discussing outstanding literature and conducting expansive outreach and publicity campaigns, and a Web site offering comprehensive information about the authors and their works. Activities should be approximately one month in duration and must occur between September 2009 and June 2010. A successful Big Read will reach lapsed and/or reluctant readers, b) possess a wide range of imaginative activities, and c) occur in a variety of locations. Successful applicants’ programming will occur in various venues beyond libraries to encourage participation by diverse audiences and reluctant readers.

Sun Microsystems, Inc., Academic Excellence Grant Program [61268]
Deadline: 02/26/10, 05/31/10
Synopsis: The sponsor grants equipment to eligible organizations who have developed creative projects that address the sponsor's investment priorities and create partnerships for success. The primary investment priorities are higher education and kindergarten through twelve education.
Objectives: The sponsor grants equipment to eligible organizations who have developed creative projects that address the sponsor's investment priorities and create partnerships for success. Grants are awarded under the following priorities:
Higher Education: including the teaching of SUN technologies, web-based learning, scientific and engineering computing, and business collaborations.
Primary and Secondary (K-12) Education: including primary and secondary education and university outreach. Funding for grants focus on areas such as: Curriculum Integration; Community Development; Localization; Community Outreach; Java Software Development; Application Development; and Thin Client.

HEALTH & WELLNESS

NIH, Diet Composition and Energy Balance [87099]
Deadline: 02/05/10
Synopsis: The sponsor provides support for research investigating the role of diet composition in energy balance, including studies in both animals and humans. This program will use the NIH Research Project (R01) award mechanism.
Objectives: This funding opportunity invites research applications investigating the role of diet composition in energy balance, including studies in both animals and humans. Collaborations between basic and clinical researchers,
which explore mechanisms underlying differences in response to diet composition, are particularly encouraged. Both short and longer-term studies are encouraged, ranging from basic studies investigating the impact of micro- or macronutrient composition on appetite, metabolism, and energy expenditure through clinical studies evaluating the efficacy of diets differing in micro- or macronutrient composition, absorption, dietary variety, or energy density for weight loss or weight maintenance.

NIAAA, Epidemiology and Prevention Alcohol Research (R01) [94387]

**Deadline(s):** 01/07/10, 02/05/10, 05/07/10, 06/05/10

**Synopsis:** The sponsor provides support for research investigating the epidemiology of alcohol use and alcohol use disorders and the prevention of underage drinking, alcohol use disorders, and other alcohol-related harms. This program will use the NIH Research Project (R01) award mechanism.

**Objectives:** The sponsor provides support for research investigating the epidemiology of alcohol use and alcohol use disorders and the prevention of underage drinking, alcohol use disorders, and other alcohol-related harms.

NIAAA, Screening and Brief Alcohol Interventions in Underage and Young Adult Populations [93813]

**Deadlines(s):** 01/07/10, 02/05/10, 05/07/10, 06/05/10

**Synopsis:** The sponsor provides support for research grant applications on screening and brief interventions to prevent and/or reduce alcohol use and its adverse consequences. This program will use the NIH Research Project (R01) award mechanism.

**Objectives:** This FOA is designed to stimulate a developmentally grounded program of research on screening and brief interventions to prevent and/or reduce underage drinking and hazardous young adult drinking. Research objectives of this Funding Opportunity Announcement (FOA) include, but are not limited to: testing strategies to improve screening methods for youth with or at high risk for alcohol-related problems; testing the efficacy and effectiveness of novel or modified existing brief prevention interventions to: (a) prevent or delay the initiation of alcohol use, or (b) decrease the risk for the development of alcohol use disorders (AUDs) and associated problems among youth; examining individual, peer, familial, community, setting, cultural, or other contextual factors that affect the selection, implementation, and outcomes of empirically validated screening measures or brief interventions. Studies of racially and ethnically diverse populations in various social and cultural settings are encouraged. Investigations must be especially sensitive to unique human subject issues when conducting research in minors.

**ARHQ, Utilizing Health Information Technology (IT) to Improve Health Care Quality [99427]**

**Deadline(s):** 01/25/10, 05/25/10, 09/25/10

**Synopsis:** The sponsor provides support for health information technology (IT) demonstration projects that evaluate factors associated with successful implementation and utilization of health IT in order to improve the quality, safety, effectiveness and efficiency of health care in ambulatory settings and in the transitions between care settings. The use of health IT has been demonstrated to improve health care in various large health care delivery systems. Yet, there has been limited diffusion and evaluation of the implementation and utility of health IT in ambulatory care settings and in transitions between care settings. This FOA supports real world demonstration projects that evaluate factors (facilitators and barriers) associated with successful health IT implementation and use and ultimately improve health care outcomes. As appropriate, facilitators and barriers to health IT implementation may include adequacy of engagement and training of health care staff, patients, and family in the use of health IT; characteristics of the health care setting; organizational processes and practices; workflow; adequacy of health IT implementation plan; nature of technical support of health IT; integration of new health IT with pre-existing health IT, and other factors. Applications responding to this FOA must seek to evaluate and demonstrate how to optimize functionality of existing health IT; implement health IT in new settings or with new providers and patient populations; or, demonstrate sustainability of health IT. This FOA will use the AHRQ Research Demonstration and Dissemination Projects (R18) grant mechanism.

**Objectives:** This FOA supports the conduct of demonstration research grants that rigorously evaluate health IT implementation to improve the quality, safety, effectiveness and efficiency of health care in ambulatory settings and that support transitions in care between ambulatory settings or ambulatory and non-ambulatory settings. These grants must evaluate the utilization and implementation of health IT and be designed to provide scientific findings about the implementation process of health IT and its effects on quality and safety. AHRQ is interested in supporting health IT demonstration projects for which the findings regarding the health IT functionality or implementation approach are demonstrated to be transferable to other settings or circumstances. Applications responsive to this FOA should also include a small strategic dissemination plan. This FOA is focused on three research areas of interest: Health IT to improve the quality and safety of medication management via the integration and utilization of medication management systems and technologies; Health IT to support patient-centered care, the coordination of care across transitions in care settings, and the use of electronic exchange of health information to improve quality of care; and, Health IT to improve health care decision making through the use of integrated data and knowledge management. Each applica-
An Eye on Funding (Continued from page 5)

HUMANITIES

Kress (Samuel H.) Foundation, Digital Resources Grants Programs [01505]
Deadline(s): 04/15/10, 10/15/10
Synopsis: The Digital Resources program is intended to create incentives for historians of art and architecture, as well as archivists and librarians who support their work, to convert important existing information resources (especially key visual resources such as our major art history photo archives) to digital form. These resources will reach a vastly larger audience of specialists, teachers, and students online than they could ever reach previously, while also fostering new forms of research and collaboration and new approaches to teaching and learning.

Objectives: Support will also be offered for the digitization of primary textual sources (especially the literary and documentary sources of European art history); for promising initiatives in online publishing; and for innovative experiments in the field of digital art history.

Archaeological Institute of America, Site Preservation Grant [98175]
Deadline: 02/15/10
Synopsis: The Site Preservation Grant Program supports the conservation of ancient monuments and the preparation of management plans for long-term maintenance of the cultural and physical landscapes of sites.

Objectives: The goal of the grant, which carries a maximum value of $25,000 to be awarded over the course of one to three years, is to maximize global preservation efforts and awareness through AIA support. The sponsor is targeting projects that not only seek to directly preserve archaeological sites, but those that also emphasize outreach, education, and/or best practices intended to create a positive impact on the local community, students, and the discipline of archaeology as a whole. In addition to direct funding, the AIA will work with the grant recipient to raise public awareness of the significance of archaeological sites and the threats they face, to implement and disseminate best practices, and encourage increased support for preservation efforts. The AIA will promote projects that receive grants through its annual meeting, newsletter, and website.

Humboldt (Alexander von) Foundation, TransCoop Program: Transatlantic Cooperation in the Humanities, Social Sciences, Law, and Economics [72070]
Deadline: 04/30/10
Synopsis: Support is provided for transatlantic research cooperation among German, American, and/or Canadian scholars (Ph.D. required) in the humanities, social sciences, economics, and law. The sponsor provides EUR 55,000 over a three-year period.

Objectives: The sponsor provides funds for research in the humanities, social sciences, economics, and law. Scientific questions, including any from engineering or life sciences, may be considered providing the subject of the proposed research is convincingly related to the humanities and social sciences. In the selection procedure, priority is given to new research cooperation.

NEH, America's Historical and Cultural Organizations Implementation Grants [94862]
Deadline: 01/13/09
Synopsis: America’s Historical and Cultural Organizations implementation grants support traveling or long-term museum exhibitions, library-based projects, interpretation of historic places or areas, interpretive Web sites, or other project formats that creatively engage audiences in exploring humanities ideas and questions.

Objectives: All projects should: build on sound humanities scholarship; deepen public understanding of significant humanities questions; involve humanities scholars in all phases of development and implementation; appeal to broad audiences; approach the subject analytically and interpretively through an appropriate variety of perspectives; and employ appealing and accessible program formats that will actively engage the general public in learning.

Grant funds can support all typical activities connected with project implementation and production, including: final consultation with scholars or other advisers; final exhibition design and fabrication, as well as crating and shipping; Web site development; completion of interactive program components; publication costs for complementary materials, including catalogues and curriculum guides; publicity expenses; staff training specifically for the project’s interpretive programs; development of teachers’ guides and curriculum materials; presentation and distribution of public programs and related materials; and audience evaluation.

Americana Foundation, Grants Program [83763]
Deadline(s): 01/10/10, 04/10/10
Synopsis: The sponsor offers support to nonprofit 501(c)(3) organizations for education and advocacy programs that address the preservation of American agriculture, the conservation of natural resources, and the protection and preservation of expressions of America's heritage.

Objectives: The sponsor focuses on two program areas of protection, preservation and education: American Heritage--the sponsor supports projects and programs that educate and advocate for the preservation of this diverse American heritage and that preserve, conserve and present this material culture in a manner that will help all people discover, understand and appreciate this American heritage.
An Eye on Funding (Continued from page 6)

The sponsor will support: programs and restoration projects that exhibit classic material artifacts and provide information on the common values of freedom for the individual, and the creative pioneer spirit which fostered the innovation and industriousness that built the nation; the production of publications, exhibits, electronic and film based media and symposia that contribute to a better understanding of American and American heritage; and the acquisition and preservation of high quality, classic examples of American furniture and the decorative arts, and other representations of material culture.

Agriculture and Natural Resources—the sponsor will consider requests for projects containing one or more of the following: the maintenance of historical buildings and grounds at the Tollgate Farm and support for agricultural education programs conducted on this site; education and advocacy for the protection of agriculture, open space and natural resources; basic education and information in regard to tools for managing growth and preventing sprawl through integrated planning and zoning; and partnerships of environmental and agricultural organizations with other stakeholder groups working to protect agriculture, open space and natural resources.

The sponsor’s third program area is Tollgate Farm. Support is provided for the maintenance of the historical buildings and grounds at the Tollgate Farm as well as educational programs conducted on site.

**NEH, America’s Historical and Cultural Organizations Planning Grants [93167]**

**Deadline:** 01/13/10

**Synopsis:** America’s Historical and Cultural Organizations grants support traveling or long-term museum exhibitions, library-based projects, interpretation of historic places or areas, interpretive Web sites, or other project formats that creatively engage audiences in exploring humanities ideas and questions. Planning grants can be used to plan, refine, and develop the content and interpretive approach of a project. Applicants should have already begun consulting with scholars to help shape the humanities content of the project, and with other programming advisers appropriate to the project’s format. Applications for panel exhibitions are accepted only from organizations other than museums, such as libraries or library systems. Panel exhibitions must travel beyond a single site and must also incorporate at least one other program format. Applications that make innovative use of emerging technologies are encouraged. Projects should do more than simply provide a digital archive of material. They should offer new ways of contextualizing and interpreting information that engages public audiences interactively in exploring humanities ideas and questions. Applications may, for example, include plans to create Web sites, PDA tours and resources, podcasts, virtual environments, wiki formats or others that utilize user-generated content, virtual imaging, GIS mapping, online scholar-led discussions, video on demand, streaming video, games, or other digital components. Digital components should rest on sound humanities scholarship and enhance the project’s humanities content for the general public in ways that take unique advantage of the chosen technology. Support is also available to expand previously funded NEH projects through the addition of new, complementary formats: for example, developing a series of reading and discussion programs around an exhibition or film, or using digital formats to add new interpretive dimensions to a project. The new formats should complement and expand the project’s original humanities content in unique ways and should reach audiences that were not served by the original project. The program also supports Chairman’s Special Award projects. These are more complex projects of national visibility that would be of compelling interest to the general public, show exceptional promise of dealing with important humanities ideas in new ways, and are likely to reach large audiences. These goals can be accomplished through combining a variety of program formats, forming creative collaborations among diverse institutions, and expanding the scope and reach of the project.

**INTERDISCIPLINARY**

**World Community Grid [03318]**

**Deadline:** 03/31/10

**Synopsis:** World Community Grid is seeking proposals from research organizations interested in harnessing the immense power of Internet-connected computers to accelerate humanitarian research. The sponsor’s goal is to support innovative efforts that will benefit most from this technology and promise to deliver significant results on the most pressing issues facing the global community. To meet this goal, the sponsor plans to implement as many as five research projects per year.

**Objectives:** The sponsor invites public and not-for-profit organizations to apply to use its powerful grid technology at no cost for projects that benefit humanity. Grid technology enables researchers to access tremendous amounts of power, exceeding that of several supercomputers, to run complex computations and to accelerate the pace of their research. Research results must be made available to the global research community and will be made available on World Community Grid’s web site.

Because projects must serve to promote human welfare directly or indirectly, it is anticipated that projects in the following disciplines will be run on World Community Grid: New and existing infectious disease research: Research...
on cures for HIV and AIDS, Severe Acute Respiratory Syndrome (SARS), malaria, and others; Genomic and disease research: Studies that seek to identify the functions of the proteins that are coded by human genes and how they might relate to cures for common diseases; Natural disasters and hunger: Earthquake predictions, information on improving crop yields and livestock production, and evaluation of the supply of critical natural resources such as water; and Environmental Research: Meteorology and severe weather prediction, pollution remediation, climate modeling, and others. Research that has the potential to assist economically disadvantaged communities and those in developing countries or to provide the initial research that can open new fields of inquiry will have priority. Projects must meet three basic technological requirements, to ensure benefits from grid computing: 1. Projects should have a need for millions of CPU hours of computation to proceed. However, humanitarian projects with smaller CPU hour requirements are able to apply; 2. The computer software algorithms required to accomplish the computations should be such that they can be subdivided into many smaller independent computations; 3. If very large amounts of data are required, there should also be a way to partition the data into sufficiently small units corresponding to the computations.

NIAAA, Mechanisms of Alcohol and Nicotine Co-Dependence [02044]
Deadline(s): 02/05/10, 06/05/10
Synopsis: The sponsors invite applications from institutions/organizations that propose to study neurobiological and behavioral mechanisms contributing to concurrent alcohol and nicotine use and dependence. This FOA will use the NIH Research Project (R01) award mechanism.
Objectives: The purpose of this program announcement is to promote research to study neurobiological and behavioral mechanisms of dependence and how alcohol and nicotine use interact through these mechanisms to promote dependence. Such an understanding is essential to guide the development of better prevention and treatment strategies for alcohol and nicotine co-abuse. A complete understanding of alcohol and nicotine dependence will require a multifactorial approach that encompasses cellular, molecular, pharmacological, and behavioral aspects of their interactions. The knowledge gained from this initiative will provide the foundation for identification of brain circuits, molecular and behavioral mechanisms mediating alcohol and nicotine dependence. Such an understanding should lead to more effective prevention and treatment strategies for alcohol and nicotine co-abuse.

Constellation Energy Group, Community Partnerships [68120]
Deadline: 04/01/10
Synopsis: The sponsor provides support to make social investments addressing energy initiatives, education, economic development and environmental needs.
Objectives: The sponsor’s target is to make social investments addressing energy initiatives, education, economic development and environmental needs.

Eastern Bird Banding Association, Research Awards [86237]
Deadline: 03/15/09
Synopsis: The sponsor seeks applicants for one to five grants of up to $1,000 in aid of research using banding techniques or bird banding data.
Objectives: Preference is given to but not limited to research in eastern United States, or with species that spend part of their life there. Projects that are planned for other portions of the United States, North America, or the Western hemisphere also may be considered. Research studies with conservation or management implications are particularly encouraged.

SCiences

NICHD, Enhancing Developmental Biology Research at Undergraduate Institutions Academic Research Enhancement Award [01608]
Deadline(s): 04/13/10, 05/13/10
Synopsis: The sponsor invites grant applications to strengthen the developmental biology research environment at educational institutions that provide baccalaureate or advanced degrees, but that have not been major recipients of NIH support. In addition this FOA attempts to foster the development of novel or underutilized experimental model systems, and to motivate students through exposure and participation in research projects designed to study fundamental processes underlying normal development. Projects that benefit students through exposure to and participate in developmental biology research are encouraged. Projects that employ novel or underutilized experimental animal model systems are also encouraged. This FOA will utilize the Academic Research Enhancement Award (AREA) R15 award mechanism.
Objectives: The goal of this Announcement is to stimulate developmental biology research in Academic Research Enhancement Award (AREA)-eligible educational institutions that provide baccalaureate or advanced degrees, but that have not been major recipients of NIH support. The AREA grants are intended to support small-scale developmental biology research projects proposed by faculty members of eligible, domestic institutions including many small primarily undergraduate and historically minority institutions. The intention is to create research opportunities for developmental biologists who otherwise would be unlikely to participate in NIH-funded research. Furthermore, this FOA encourages: (1) the use of novel or underutilized animal models in developmental biology research, and (2) enhanced exposure of undergraduate students (if available) to the basic concepts required to understand the molecular and cellular basis of embryonic development.
This FOA will support scientifically meritorious research projects relevant to NICHD's mission, strengthen the research environment at recipient schools, and foster research experience in developmental biology for undergraduates in the basic concepts required to understand the molecular and cellular basis of embryonic development. Research proposals appropriate to this FOA will include small scale, new or renewal projects investigating questions of importance to developmental biology such as, but not limited to: projects that aim to elucidate the cellular, molecular, and physical mechanisms that direct the formation of the embryonic plan of multicellular organisms; projects to determine the mechanisms underlying the normal development of organ primordia against which aberrations of these processes can be better understood; projects to better understand the mechanism controlling the early pattern of the developing nervous system, the processes of neurogenesis, axonal guidance, and/or neural crest differentiation; projects that seek to identify and characterize genes, genetic networks, and epigenetic factors that control developmental processes; projects aiming to understand development of the immune system; projects to assess adverse genetic and/or environmental influences on development and to elucidate mechanisms by which developmental aberrations are produced; and testing and refinement of research techniques or animal model systems applicable to developmental biology.

Association for Women in Mathematics, Mathematics Education Research Mentoring Travel Grants [05614]
Deadline: 02/01/10
Synopsis: These grants are provided for female mathematicians who wish to collaborate with an educational researcher or to learn about educational research.
Objectives: The grants are intended to support the mathematician's travel to collaborate with or be mentored by a mathematics education researcher.

NSF, Geography and Spatial Sciences [61299]
Deadline(s): 01/15/10, 02/15/10
Synopsis: The Geography and Regional Science (GRS) Program sponsors research on the geographic distributions and interactions of human, physical, and biotic systems on the Earth's surface.
Objectives: The sponsor supports basic research on the geographic distributions and interactions of human, physical, and biotic systems on the Earth's surface. Investigations are encouraged into the nature, causes, and consequences of human activity and natural environmental processes across a range of scales. Projects on a variety of topics (both domestic and international) qualify for support if they offer promise of contributing to scholarship by enhancing geographical knowledge, concepts, theories, methods, and their application to societal problems and concerns. Support also is provided for projects that explicitly integrate undergraduate and graduate education into the overall research agenda.

Sun Microsystems, Inc., Academic Excellence Grant Program [61268]
Deadline(s): 02/26/10, 05/31/10
Synopsis: The sponsor grants equipment to eligible organizations who have developed creative projects that address the sponsor's investment priorities and create partnerships for success. The primary investment priorities are higher education and kindergarten through twelve education.
Objectives: The sponsor grants equipment to eligible organizations who have developed creative projects that address the sponsor's investment priorities and create partnerships for success. Grants are awarded under the following priorities: Higher Education: including the teaching of SUN technologies, web-based learning, scientific and engineering computing, and business collaborations.

Primary and Secondary (K-12) Education: including primary and secondary education and university outreach. Funding for grants focus on areas such as: Curriculum Integration; Community Development; Localization; Community Outreach; Java Software Development; Application Development; and Thin Client.

NSF, Interdisciplinary Training for Undergraduates in Biological and Mathematical Sciences [73519]
Deadline: 02/11/10
Synopsis: 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.
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 for those studying mathematics.

NSF, Mechanics of Materials [95039]
Deadline: 02/15/10
Synopsis: The MOM program supports fundamental research on solid mechanics including theoretical, analytical, and
computational approaches, model-based simulation, and the development of constitutive models. **Objectives:** It also supports research to link the nanostructure and microstructure mechanical behavior of materials across time and length scales, including experimental and analytical research on deformation, fatigue, and fracture, and the underlying molecular and microstructural states.

**NIH, New Technology for Proteomics and Glycomics [86685]**
**Deadline(s):** 01/07/10, 04/05/10, 05/07/10, 08/05/10
**Synopsis:** The sponsor provides support for Small Business Technology Transfer Research (STTR) from small business concerns (SBCs) that propose the development of broadly applicable research tools that address the core technical challenges in proteomics and glycomics. This program will use the STTR (R41/R42) grant mechanisms for Phase I, Phase II, and Fast-Track applications.

**Objectives:** The sponsor offers support for the development of broadly applicable research tools that address the core technical challenges in proteomics and glycomics. This includes but is not restricted to robotics, sample preparation and pre-fractionation, analytical separations, gel and array imaging, quantitation, mass spectrometry, intelligent automated data acquisition, and improved informatics technologies. Technologies that address the unique needs of glycomics and clinical proteomics are of particular interest.

**NSF, Interdisciplinary Training for Undergraduates in Biological and Mathematical Sciences [73519]**
**Deadline: 02/11/10**
**Synopsis:** 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.

**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 for those studying mathematics.

**NSF, Developing Global Scientists and Engineers [79930]**
**Deadline: 02/15/10**
**Synopsis:** The Developing Global Scientists and Engineers program provides highest quality international research experiences for U.S. students.

**Objectives:** OISE supports international research and education experience for U.S. scientists early in their careers. This solicitation describes opportunities for two such activities: International Research Experiences for Students (IRES)-- IRES aims to provide high quality educational experiences for small groups of U.S. undergraduate and/or graduate students through active research participation in collaboration with foreign researchers at an international site. IRES will help prepare a globally-engaged science and technology workforce by providing students with international collaborative research training and a personal network on which to build future collaborations. IRES proposals must have a unifying research theme that enables a cohort experience for participating students.

Doctoral Dissertation Enhancement Projects (DDEP)-- OISE supports dissertation research conducted by graduate students at a foreign site. Students are expected to work in close cooperation with a host country institution and investigator.

**SOCIAL / BEHAVIORAL**

**NIH, Methodology And Measurement In The Behavioral And Social Sciences [87761]**
**Deadline(s):** 01/07/10, 02/16/10, 09/07/10, 10/16/10
**Synopsis:** The sponsor offers support for research that will improve the quality and scientific power of data collected in the behavioral and social sciences, relevant to the missions of the participating NIH Institutes and Centers. Research that addresses methodology and measurement issues in diverse populations, issues in studying sensitive behaviors, issues of ethics in research, issues related to confidential data and the protection of research subjects, and issues in developing interdisciplinary, multimethod, and multilevel approaches to behavioral and social science research is particularly encouraged, as are approaches that integrate behavioral and social science research with biological, physical, or computational science research or engineering. This program will use the NIH Small Research Grant (R03) award mechanism.

**Objectives:** This program announcement encourages applications addressing four general areas of methodology and measurement research in the social and behavioral sciences. These areas, discussed in detail below, include research design, data collection techniques, measurement, and data analysis. Within the broad spectrum of research defined by these areas, applicants are particularly encouraged (but are not required) to consider studies that address one or more of the following key issues: Methodology and measurement issues
in developing innovative interdisciplinary, multimethod, and multilevel research designs for use in behavioral and social science research, with special emphasis on both developing new technologies and addressing the analytical complexities associated with the integration of behavioral, social, and biological data. Methodology and measurement issues in research relating to diverse populations, for example, populations that are distinctive by virtue of age, gender, sexual orientation, ethnicity, culture, including culture-specific medical systems, socio-economic status, literacy, language, or disability. Methodology and measurement issues in studying how dramatic changes in economic, social, environmental, physical, or political context affect human health and well-being, including developing new methods if older ones are no longer valid in the face of significant changes in populations and societies over the last several decades. Methodology and measurement issues in studying potentially sensitive behaviors, such as sexual behavior and abortion, and covert or illegal behaviors such as drug use, abuse, and violence. Methodology and measurement issues that facilitate incorporating measures of social environment with genetic data or enhance bringing genetic measures into studies of social epidemiology. Methodology and measurement issues concerning ethics in research, with emphasis on the topics of informed consent, assessment of risk and benefit, and selection and retention of subjects, and ensuring subjects’ confidentiality.

NIH, Methodology And Measurement In The Behavioral And Social Sciences [87759]
Deadline(s): 01/07/10, 02/16/10, 05/07/10, 06/16/10
Synopsis: The sponsor offers support for research that will improve the quality and scientific power of data collected in the behavioral and social sciences, relevant to the missions of the participating NIH Institutes and Centers. Research that addresses methodology and measurement issues in diverse populations, issues in studying sensitive behaviors, issues of ethics in research, issues related to confidential data and the protection of research subjects, and issues in developing interdisciplinary, multimethod, and multilevel approaches to behavioral and social science research is particularly encouraged, as are approaches that integrate behavioral and social science research with biological, physical, or computational science research or engineering. This program will use the NIH Exploratory/Developmental (R21) grant mechanism.

Objectives: This program announcement encourages applications addressing four general areas of methodology and measurement research in the social and behavioral sciences. These areas, discussed in detail below, include research design, data collection techniques, measurement, and data analysis. Within the broad spectrum of research defined by these areas, applicants are particularly encouraged (but are not required) to consider studies that address one or more of the following key issues:

Methodology and measurement issues in developing innovative interdisciplinary, multimethod, and multilevel research designs for use in behavioral and social science research, with special emphasis on both developing new technologies and addressing the analytical complexities associated with the integration of behavioral, social, and biological data.

Methodology and measurement issues in research relating to diverse populations, for example, populations that are distinctive by virtue of age, gender, sexual orientation, ethnicity, culture, including culture-specific medical systems, socio-economic status, literacy, language, or disability.

Methodology and measurement issues in studying how dramatic changes in economic, social, environmental, physical, or political context affect human health and well-being, including developing new methods if older ones are no longer valid in the face of significant changes in populations and societies over the last several decades. Methodology and measurement issues in studying potentially sensitive behaviors, such as sexual behavior and abortion, and covert or illegal behaviors such as drug use, abuse, and violence. Methodology and measurement issues that facilitate incorporating measures of social environment with genetic data or enhance bringing genetic measures into studies of social epidemiology. Methodology and measurement issues concerning ethics in research, with emphasis on the topics of informed consent, assessment of risk and benefit, and selection and retention of subjects, and ensuring subjects’ confidentiality.

NIH, Psychopharmacology Of Widely Available Psychoactive Natural Products [87605]
Deadline(s): 01/07/10, 02/16/10, 05/07/10, 06/16/10
Synopsis: The sponsors provide support for research grant applications that characterize the chemistry, psychopharmacology, and/or toxicology of acute and chronic exposure to psychoactive natural products, as well as the transition in the use of these products to licit or illicit drugs of abuse. This program will use the NIH Small Research Grant (R03) award mechanism.

Objectives: For the purposes of this program, psychoactive natural products are defined as fungus- or plant-derived products that are taken primarily for their effects on the central nervous system (e.g., stimulant, depressant, and/or hallucinogenic effects), rather than for treatment, medicinal or therapeutic effects. Listed below are examples of areas of research that are of programmatic interest. These examples are not meant to be all-inclusive: Classification/Mechanisms of Action; Chemistry, Distribution, and Metabolism; Behavioral, Physiological, and Toxicological Effects; and Prenatal or Developmental Effects.
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

### ORSP Contact Information

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