The Education Department says it will shelve its $12.7 million 2005 higher education improvement competition due to lack of funds.

Congress provided $163 million in the just-enacted omnibus appropriation measure for the Fund for the Improvement of Postsecondary Education, but lawmakers ordered ED to bypass the competitive grant process and direct most of the money to 419 specific projects totaling $146.2 million.

According to an ED spokesman, "this is what Congress did, and we implement the laws as written. The funds were earmarked so there was no money for a new competition."

Lawmakers have been stuffing FIPSE with so-called pork projects for several years, but not to the current extent or with the same dramatic result.

Colleges, universities and other eligible applicants had already submitted preliminary proposals under a Nov. 3 deadline and after a series of regional meetings at which program officials tutored grant hopefuls on the fine points of the application process.

The popular program, which funds innovative approaches to problems of national significance in higher education typically draws 1,500 to 1,800 pre-proposals.

During the highly competitive two-phase process, staff and field readers usually winnow the total down to 150 to 200 applicants who are invited to submit full proposals. ED expected to fund 60 applications, which were to be due March 22. Not this year.

FIPSE isn't the only ED program feeling the squeeze. About 1,183 ED projects are earmarked in the '05 law, totaling $417.2 million, after an across-the-board rescission.

Generally defined, pork projects go to a specific recipient identified in the appropriation and are funded through programs that would otherwise make competitive awards based on merit. Many may be perfectly worthy, but they bypass traditional review, critics contend.

In addition to FIPSE, ED's '05 pork barrel also contains:

- School improvement programs: four projects, totaling $4.6 million (in the Education of Native Hawaiians and the Alaska Native Education programs).
- Innovation and improvement: 700 projects totaling roughly $245 million (in the Fund for the Improvement of Education).
- Rehabilitation services and disability research: 21 projects totaling nearly $8 million (in demonstrations and training activities).
- Institute of Education Sciences: 37 projects totaling $10.5 million (in special education research and innovation).
- Impact Aid construction grants: two projects totaling $3 million competitive grants for emergency repairs and modernization of schools in districts that have lost property tax revenue due to the presence of tax-exempt federal property.

Lawmakers did create new education related grant programs, although not all at ED. A sample includes:

- $5 million at ED for mental health integration grants.

(Continued on page 7)
If you are interested in any of the following funding opportunities, send an e-mail to lcook@oswego.edu with the program title and reference number if there is one.

**ARTS**

Charles Lafitte Foundation [68674]

**Scope:** The mission of the Arts Program is to foster the growth of new artists, invest in established artists and expand access to the arts. As one of the primary outlets of human creativity, art is a vital resource in developing and maintaining healthy communities. As school budgets are often short on cultural opportunities, the foundation will favor educational programs that encourage students to release their creativity, inspire them to learn and empower them with achievement. The Foundation supports innovation and creativity in the arts, and is particularly interested in encouraging emerging artists and inspiring the development of new artistic work.

**Deadline:** Open

Graham (Elizabeth Firestone) Foundation [48257]

**Scope:** 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.

**Deadline:** April 1

**Funds:** Grant amounts typically range from $5,000 to $20,000.

**Areas:** The foundation 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**

Stranahan Foundation [68571]

**Scope:** The sponsor's emphasis is to: increase the number of quality educational opportunities at the primary and secondary school levels, and to promote greater access to such programs; support learning institutions that value independent thinking, artistic appreciation, cultural, economic and ethnic diversity, and community service; and support small manageable programs within institutions of higher learning.

**Deadline:** March 1

**Funds:** 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.

Ethics Education in Science and Engineering (NSF) [81569]

**Scope:** The sponsor considers proposals for research and educational projects to improve ethics education in all of the fields of science and engineering that NSF supports. For this year, proposals must focus on improving ethics education for graduate students in those fields, and on ethical issues that arise in research or graduate research education in those fields, particularly in interdisciplinary or inter-institutional contexts.

**Deadline:** March 10

**Areas:** The sponsor will consider proposals for research projects, education projects, and combinations of the two: Education projects must be based on research findings that indicate successful ways to enhance ethics education for graduate students. They may include a wide range of activities such as mentoring programs, infrastructure-development activities, faculty capacity-building activities, training of post-doctoral fellows to implement programs, and graduate-student involvement in program development. Programs to develop and test new materials or teaching techniques are also eligible.

Research projects that examine ethics education for graduate students in science and engineering are also eligible for consideration in EESE. Proposals should build on earlier research and add to the research base. Projects can include qualitative and/or quantitative approaches. The expectation is that project results will help in developing better ethics-education programs for graduate students; thus, proposals should specify plans to deliver findings to appropriate research and educational communities and assist them to implement projects or programs based on the findings. Research projects may also include a focus on ethical issues arising in educational research or in ethics education for graduate students. Proposals may also combine research and education components. For instance, the first year of a project might examine ethics education for graduate students in a scientific or engineering field. The second year might implement programs on several campuses based on what was discovered. Repetition and modification, evaluation and diffusion might occur during the third year.

**HUMANITIES**

Institute of Museum & Library Services / Corp. for Public Broadcasting (RFP1210)

**Scope:** The Institute of Museum and Library Services, in conjunction with the Corporation for Public Broadcasting, has released guidelines for the Partnership for a Nation of Learners (PNL) Community Collaboration Grants, which are designed to support new and existing lifelong learning collaborations between museums, libraries, and public broadcasters.

**Deadline:** March 1

**Funds:** Grant amounts will range from...
$25,000 to $250,000
Areas: Eligible projects include collaborations between a public broadcasting licensee (radio or television) and a museum or library, or among all three types of organizations. Projects that involve all three types of organizations will generally be considered more competitive for funding.

Applicants must be either a unit of state or local government or a private non-profit organization that has tax-exempt status under the Internal Revenue Code and be located in one of the fifty states of the United States, the District of Columbia, the commonwealth of Puerto Rico, Guam, American Samoa, the Virgin Islands, the Commonwealth of the Northern Mariana Islands, the Republic of the Marshall Islands, the Federated States of Micronesia, or the Republic of Palau.

The initiative also will feature extensive professional development opportunities for museum, library, and public broadcasting personnel.

INTERDISCIPLINARY

American Educational Research Association [64551]
Scope: The sponsor provides support for research. The program's goals are: (a) to stimulate quantitative policy- and practice-related research on U.S. education using large-scale, nationally-representative NCES and NSF data sets; (b) to improve the U.S. educational research community's firsthand knowledge of the range of data available at the two agencies and how to use them; and (c) to increase the number of U.S. educational researchers using the data sets.

Deadline: March 10
Areas: The sponsor invites educational policy-related research proposals using NCES, NSF, and other national data bases. Research topics may cover a wide range of policy-related issues that include but are not limited to: school persistence and career entry; teachers and teaching, including supply, quality, and demand; policies and practices related to achievement; policies and practices that influence student and parental attitudes; contextual factors (individual, curricular, and school related) in education; education in middle schools; educational participation and persistence (kindergarten through graduate school); at-risk students; early childhood education; US education in an international context; school finance; materials (curriculum) development, research and informal science education; undergraduate science, engineering, and mathematics education; the supply (pipeline) of students taking mathematics and science courses from K-12; research career development; the quality of educational institutions; and methodological studies.

Scholarly Works in Biomedicine, Health (NIH) [2848]
Scope: The National Institutes of Health's National Library of Medicine seeks applications to prepare book-length manuscripts and other scholarly works in biomedicine and health.

Deadline: Feb. 1, June 1 and Nov. 1
Funds: $1.4 million for grants up to $50,000 in direct costs for one, two or three years.
Areas: Grants support several types of projects:
- Scholarly works in the history or philosophy of medicine, public health and the life sciences, the development of medical research and health services, bioethics and the interrelationship of medicine and society.
- The history or philosophy of health informatics, health information sciences, biomedical communications and health sciences librarianship.
- Analytical and comprehensive critical reviews that identify the present status of research and practice in various health-related fields.
- Problems and emerging trends.
- Scientifically significant symposium or conference proceedings related to U.S. priorities in health care, public health and biomedical research.
- Research aids.
- Selected secondary tools in the health sciences, such as biomedical guides, atlases, handbooks, dictionaries, indices, catalogs, directories and other unique reference materials.
- English language translations of important foreign-language classics or primary materials in the history of medicine.

Tip: Applicants should include a topic or chapter outline of the book or work to be produced as part of the research plan.

Evaluative Research in Education (NSF) [2901]
Scope: The National Science Foundation solicits proposals for that offer unique approaches to evaluation in science education and for research related to human learning and science education.

Deadline: Jan. 14 for letters of intent for research on learning and education (ROLE); March 31 for letters of intent for evaluative research and evaluation capacity building (EREC); March 4 for ROLE proposals; May 15 for EREC proposals.
Funds: $16 million in 2005 for 15 to 30 grants.
Areas: Both programs seek proposals that help stimulate quality preparation of the science, technology, engineering and mathematics education (STEM) researchers and evaluators.
- Evaluative research studies should expand understanding of education practices, policies, procedures and outcomes that can contribute to STEM educational improvement. The program is especially interested in projects that
Ongoing work by a professor and a student at SUNY Oswego on the strategic role of a basic emotion will expand under a new $92,200 federal grant beginning in January.

Dr. Craig DeLancey, an assistant professor of philosophy and cognitive science, and John Callan, a junior majoring in computer science and cognitive science, received a campus Challenge Grant last spring for their project to use simulations to test a series of hypotheses about the nature of the social and economic role of anger.

Now the Army Research Institute's Office of Basic Research has awarded DeLancey a year-long grant to hire an additional student and expand the study to, among other things, include the role of fear. "This is a very extensive extension of that project," DeLancey said.

Emotions like anger and fear often decisively determine how a person or a group behaves, DeLancey explained in his proposal, but predicting their role in varying scenarios has proven difficult. Standard economic and game-theory models often fail to reflect actual behavior, he said, and the subject is too complex to study through experiments with animal or human subjects.

"It's really hard to experiment with emotions," he said. "Simulation is one of the few ways to get some traction."

With Callan as his computer programmer, he develops simulated individuals, or agents, and then uses genetic algorithms to "evolve" emotional behaviors, first in one-to-one interactions and then in more complex social interactions.

They are focusing on retributive action as the emotional behavior associated

(Continued on page 7)

An Eye on Funding (continued from page 3)

focus on topics of national importance and have results that can be generalized. Evaluation capacity-building projects enhance the ability of the education field to conduct evaluations by providing education and training, research and resource development. The program encourages focused projects such as: pre-service and in-service education and training of evaluators; development of quality undergraduate, graduate and professional STEM education evaluation experiences, degree and certificate programs and degree concentrations; and creation of infrastructure to support the practice of evaluation, such as regional professional groups and education and training consortia.

Projects to advance the state-of-the-art in evaluation focus on developing innovative tools, models, theories and techniques to help the field address issues of complex causality, cause and effect and the impact of education interventions. Examples include: synthesis of existing evaluation and research results from multidisciplinary perspectives; development of methods to increase the validity and reliability of measures; and creation of new models and approaches for disseminating STEM evaluation findings and methods to various audiences.

- Research on learning and education focuses on five broad emphasis areas, including: the biological basis of human learning; fundamental research on behavioral, cognitive, affective and social aspects of STEM learning; research on STEM learning in educational settings; STEM policy research; and diffusion of STEM innovations.

Ethics Education Science (NSF) [2902]

Scope: The ethics and science program accepts proposals for research and education projects to improve ethics education in all the science and engineering fields NSF supports.

Deadline: March 10

Funds: $1.5 million for five to 12 awards.

Areas: This year, proposals must focus on improving ethics education for graduate students and on ethical issues that arise in research or graduate research education, particularly in interdisciplinary or inter-institutional contexts, such as subject privacy in research.

Tip: Projects may involve diverse sets of participants, including faculty with disciplinary or cross discipline expertise and graduate students, who should be project participants as well as recipients.
Campus News—Faculty Enhancement Grants Due in February

To pursue scholarly and creative activities and/or enhance professional skills.

1) New Faculty Incentive Grants-
This program is designed to provide support for new faculty (in their fifth year of less) in the development of their research or creative activity programs.

2) Scholarly & Creative Activity Grants-
This program is designed to encourage experienced faculty to enrich and refocus their research or creative activity programs.

Deadline: February 4, 2005

To assist in the development of new or revised courses and programs.

1) Course Development Grants-
This program is designed to help individuals change existing courses and develop new courses to further student learning. Courses with innovative pedagogies that are General Education courses, or have creative collaboration or interdisciplinary approaches will receive highest priority.

2) Program Innovation Grants-
This program is designed to assist in the development of new graduate, undergraduate, or certified programs. The development of new delivery systems for existing programs will also be considered.

Deadline: February 4, 2005

To promote and support true student/faculty scholarly collaboration.

The purpose of the Challenge Award program is to promote and support true student/faculty scholarly collaboration. It is not the goal of the program to fund research assistants, but rather to assist faculty in providing motivated students with graduate level scholarly and creative experiences. Successful applicants will be engaged in an ongoing project with one or more undergraduates who participate in a direct and meaningful way in every stage of the project from initial conception to dissemination of results. As a condition of this award, results must be submitted to a national or regional conference and presented at QUEST.

Deadline: February 4, 2005

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Campus Grants Timeline

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

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An Eye on Funding (continued from page 4)

Arts Exchanges on International Issues (DoS) [2902]
Scope: The State Department's Bureau of Educational and Cultural Affairs invites applications for exchanges that build relationships between U.S. non-profit arts, educational and cultural organizations and their counterparts overseas.
Deadline: Feb. 8
Funds: Five to 10 awards ranging from $50,000 to $300,000 each. The project period is one to three years.
Areas: Applicants should propose two-way people-to-people arts exchanges on international issues that aim to break down stereotypes, enhance understanding of democratic processes and contribute to conflict resolution. Topics include: conflict resolution; new opportunities for youth, especially in Muslim countries; respect for cultural identity and creative products; governance, accountability and transparency in cultural management; HIV and AIDS awareness and prevention; performing arts (dance, music, and traditional arts and theater); visual arts; arts education; arts management; and, video and digital media.

Sociobehavioral Data on Aging (NIA) [2902]
Scope: The National Institute on Aging seeks small grant applications to stimulate and facilitate data archiving and secondary analysis of data related to social and behavioral issues in aging research.
Deadline: Feb. 1 and June 1
Funds: Up to $50,000 a year each for two years.
Areas: Funds support: archiving involving data on caregiving, cognition, demography, economics, epidemiology, behavioral genetics and other behavioral research on aging; preliminary projects using secondary analysis that could lead to full-scale research projects; and rapid analyses of new databases and experimental modules to inform the design and content of future studies.

SCIENCES

Instruments for Materials Research (NSF) [2847]
Scope: The National Science Foundation invites proposals to acquire or develop costly research instruments to advance materials science.
Funds: $6.7 million for 35 to 50 awards each year. Requests from Ph.D.-granting institutions must be for equipment that costs more than $100,000 (less than $50,000 for non-Ph.D.-granting institutions).
Areas: The program usually considers proposals for single instruments or single systems. Applications should show that equipment will increase researchers' capacity to discover fundamental phenomena in materials; synthesize, process and/or characterize the composition, structure, properties and performance of materials; and improve the quality, expand the scope and foster and enable the integration of investigation and education.

Living Stock Collections (NSF) [2824]
Scope: The National Science Foundation solicits applications for scholarships to encourage talented science, technology, engineering and mathematics majors and professionals to become K-12 mathematics and science teachers.
Deadline: Feb. 28 for letters; March 31 for proposals.
Funds: $4 million for eight to 10 awards of up to $500,000 each over three to four years. Up to 15 percent of the proposed budget may be used for administrative and program costs. Scholarships must total at least $7,500 a year each but may not exceed $10,000 a year. Recipients may receive scholarship support for two years in return for equal service as a math or science teacher in a high-needs school. Stipends of up to $10,000 each for one year are available to professionals with degrees in science technology, engineering or mathematics who enroll in teacher certification programs and commit to serving two years as a math or science teacher in a high-need school.
Areas: Applicant institutions must describe the proposed scholarship or stipend program, including the number and size of awards, academic requirements and projected cumulative number of new teachers to be produced by the program, as well as details about the teacher preparation program in which recipients will be enrolled.

Robert Noyce Scholarships (NSF) [2824]
Scope: The National Science Foundation invites proposals for research using the George E. Brown, Jr. Network for Earthquake Engineering Simulation, a national shared-use experimental resource of 15 research sites dedicated to improving the design and performance of civil and mechanical infrastructure subjected to earthquakes.

Earthquake Engineering (NSF) [2848]
**Emotional Study**  
*(Continued from page 4)*

with anger and flight as the emotional behavior associated with fear.

DeLancey's approach using computer simulation will be able to take into account such complexities as how an individual's display of emotions affects others in the group, what happens when an individual lies, and how individual and group behavior over time shapes future interactions and defines social standards.

"No one has used these technologies to look at how emotion evolves," he said. "To my knowledge, nobody out there is doing this."

Callan and the other student that De-

Lancey will bring on in January are key collaborators on the project, the professor said. "Undergraduate computer science students can do important work," he said. "They're really in the trenches doing the work, working with me, kicking around ideas. It really is collaborative."

DeLancey is the author of the book "Passionate Engines: What Emotions Reveal About Mind and Artificial Intelligence," published by Oxford University Press in 2002, and his work has been applied to financial problems on Wall Street. He joined Oswego's philosophy faculty two years ago.

*Courtesy of SUNY Oswego News*

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**Pork Funding**  
*(Continued from page 1)*

by the Safe and Drug-Free Schools Program, are intended to support school-based programs focusing on early detection, assessment and treatment of students' mental health problems.

- $7 million at the Substance Abuse and Mental Health Services Administration for grants to states to provide youth suicide prevention programs in schools.
- $250 million at the Labor Department for the Bush administration's community college/community-based job training initiative.
- Funds for a new National Oceanic and Atmospheric Administration Ernest F. Hollings scholarship program, designed to increase undergraduate training in oceanic and atmospheric science, research, technology and education.

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

**Deadline:** Feb. 1 for letters; March 11 for proposals.  
**Funds:** $9 million for eight to 12 grants, including: individual investigator awards of up to $125,000 a year each for three years; small group awards up to $400,000 a year each for four years; and grand challenge awards of up to $500,000 a year in the first and final years and $1 million a year in intervening years of the five-year projects.  
**Areas:** The NEES provides the opportunity for researchers to participate in cutting-edge research to extend theory; model-based simulation; computational and visualization tools; design practice and codes in earthquake engineering; advanced technologies for design, retrofit and remediation; experimental techniques; and sensor technology.  
**Stewardship Science Academic Alliance (DoE) [2848]**  
**Scope:** The Energy Department seeks applications for university-based research in the physical sciences that is relevant to ensuring the safety, reliability and performance of the nation's nuclear stockpile.

**Deadline:** March 18. DoE encourages institutions to submit applications early.  
**Funds:** $5 million for awards of $250,000 to $1.2 million each.  
**Areas:** Research areas include: properties of materials under extreme conditions and hydrodynamics; high-energy density physics; and low-energy nuclear science.

**Advanced Technological Education (NSF) [2902]**  
**Scope:** The National Science Foundation invites applications under its premier two-year college activity, the Advanced Technology Education program, which focuses on the education of technicians for high-tech fields critical for economic growth.

**Deadline:** April 26, 2005 and April 25, 2006 for preliminary proposals—now optional; and Oct. 18, 2005 and Oct. 12, 2006 for full proposals.  
**Funds:** $39 million for 60 grants in FY '06 and FY '07.  
**Eligibility:** Two-year colleges must have a leadership role in all projects, which involve partnerships with two-year colleges, four-year colleges and universities, secondary schools, business, industry and government. Projects should re-
spend to employers' needs for prepared technicians with adaptable skills. 

**Areas:** The program supports two major tracks: ATE projects and ATE centers. Projects include activities with national or regional focus that address: program improvement to increase the relevance of technician education to modern practices and the number of students prepared for the high-performance workplace; professional development of secondary school teachers and college faculty; curriculum and education materials development for national dissemination; teacher preparation; research on technician education; and institutional reform of technician education.

**Tip:** Changes this year are: elimination of the articulation partnerships track, with most previous activities incorporated into the projects track; inclusion of technical experiences for students and laboratory development in program improvement; teacher preparation refocused on technology education for K-12 preservice teachers; elimination of large-scale teacher preparation and an increase in the maximum funding for teacher preparation under projects; support for regional centers in any technological field supported by the program and other areas of high relevance to technician education across fields; increased support to $150,000 from $100,000 for equipment.

**Mathematical Geoscience (NSF) [2902]**

**Scope:** The National Science Foundation seeks applications for collaborative projects to encourage research at the intersection of the mathematical sciences and geosciences and foster interdisciplinary education in those fields.


**Funds:** $8.2 million for 15 to 25 awards in 2005.

**Eligibility:** Colleges, universities and other academic and nonacademic organizations. Research groups must include at least one mathematical scientist and one geoscientist. A principal investigator or co-PI is eligible as a mathematical scientist if he or she holds a doctorate in any mathematical sciences field, has a primary affiliation with a mathematical sciences department or has a well-established publication record in mathematical sciences journals. For interdisciplinary post-doctoral research, the postdoctoral investigator need not have a Ph.D. at the time of proposal submission but must have completed all requirements for the doctorate in a relevant discipline by July 15 immediately following the proposal deadline. The applicant investigator with a Ph.D. must be no more than 18 months past the award at the time of the solicitation deadline.

**Areas:** Categories include: interdisciplinary group research projects; interdisciplinary post-graduate summer training activities; and interdisciplinary postdoctoral research opportunities for interdisciplinary postdoctoral research. Research themes are: mathematical and statistical modeling of large, complex geosystems; uncertainty in geosystems; and analyzing large geoscientific data sets.

**Tip:** NSF encourages collaborative applications submitted by multiple university partners.

**Multi-User Equipment in Biosciences (NSF) [2902]**

**Scope:** The National Science Foundation invites applications to purchase costly research equipment for use by multiple investigators with actively funded research projects in areas supported by the biology directorate.

**Deadline:** July 6

**Funds:** $3.5 million for 20 to 25 awards of at least $40,000 to $500,000.

**Areas:** The program supports: purchase of a single item of eligible equipment or several related items; instrumentation resources consisting of several pieces of equipment with a related purpose, or the purchase of additional equipment for such resources; shared computational resources, including workstations, clusters and other equipment dedicated to broad research needs; and controlled environment systems.

**Regional Carbon Sequestration (DoE) [2902]**

**Scope:** The Energy Department invites applications for partnerships to test and validate promising carbon sequestration techniques.

**Deadline:** March 15

**Funds:** Seven awards of $2 million to $4 million a year each for four years. The grantee contribution is 20 percent.

**Eligibility:** Partnerships of universities, state agencies, private companies and federal laboratories.

**Areas:** Partnerships will build on the work of earlier programs to demonstrate the efficacy of sequestration by focusing on field validation tests and regional locations with the greatest promise of storing large quantities of carbon dioxide from power plant emissions and other sources.

**Poplar Genome-Based Sequestration (DoE) [2902]**

**Scope:** The Energy Department's Office of Biological and Environmental Research seeks research that will lead to strategies to improve the use of poplar or other trees to sequester atmospheric carbon in terrestrial ecosystems.

**Deadline:** Jan. 18 for pre-applications; March 18 for full proposals.

**Funds:** $2 million for multiple awards of up to $100,000 to $500,000 total cost. The project period is three years.

**Areas:** DoE solicits applications that propose to use the poplar and/or microbial genomic sequences to enhance partitioning of carbon into quantitatively important components of trees or soil organic matter that could
lead to improved carbon sequestration.

**Fusion Energy Sciences (DoE) [2902]**

**Scope:** The Energy Department seeks proposals for research that pursues innovative approaches to high energy density physics in fusion energy science.

**Deadline:** March 8

**Funds:** $1.4 million in FY ‘05 for awards of $25,000 to $1 million a year each.

**Areas:** The solicitation is part of a broad program of science-based research to develop the knowledge needed for an economically and environmentally attractive fusion energy source in the long term. The program is sponsoring research in high energy density physics that might be relevant to creating fusion energy by inertial fusion or equivalently high-density plasmas. DoE will give priority to projects that can yield experimental results within three to four years.

**Biotechnology Risk Assessment (USDA) [2902]**

**Scope:** The Agriculture Department invites applications to support environmental assessment research on the impact of introducing genetically engineered organisms into the environment.

**Deadline:** Feb. 24

**Funds:** $3 million for awards of up to $400,000 each for two to five years.

**Areas:** The purpose of the program is to inform regulatory agencies in making science-based decisions about the effects of introducing into the environment genetically modified organisms, including plants, microorganisms, fish, birds and mammals. Proposals must address a designated priority area: research designed to identify and develop appropriate management practices to minimize physical and biological risks; research to develop methods to monitor the dispersal of genetically engineered animals, plants and microorganisms; studies to expand knowledge about the characteristics, rates and methods of gene transfer between genetically engineered organisms and related wild and agricultural organisms; and environmental assessment research.

**Biological Defense (USAMRAA) [2902]**

**Scope:** The U.S. Medical Research Acquisition Activity seeks proposals for research on the development of medical pretreatment and therapeutic countermeasures to chemical and biological threats and related medical diagnostics systems.

**Deadline:** Feb. 1

**Funds:** $5 million for awards that may range up to $1 million each. The project period is two years.

**Areas:** Topics include:
- (Pretreatment) investigations into the development and application of novel adjuvant formulations to enhance delivery of vaccines; evaluation of novel mechanisms for enhancing the immune response to intracellular bacterial pathogens; human immune response to bioterror agent pathogens T and B-cell epitope mapping studies.
- (Diagnostic technology) novel and definitive analytic procedures for chemical warfare agent detection/diagnosis and analytic procedures; whole blood cholinesterase assays based on a finger prick and correlation/indication of altered liver or other blood chemistry; clinical sample processing methods to detect low levels of bloodborne pathogens through DNA and RNA isolation; and novel ways to identify targets for assay development.
- (Medical countermeasures) proteomics approaches to rapidly identifying therapeutics to treat or prevent adverse effects of agents; investigations into combined use of FDA-approved drugs to treat patients with symptoms; design and development of small molecule therapeutics to defend against chemical and biological agents; investigation into FDA-approved gastrointestinal medication as adjunctive detoxifying therapeutics for specific agents; development of adjunctive detoxification or mitigation/mitigation/prevention of effects from agents using gastrointestinal therapeutics; and development or demonstration of hands-free patient monitoring.

**Shared Instrumentation (NIH) [2902]**

**Scope:** The National Institutes of Health seeks applications to help institutions purchase or upgrade costly research equipment shared by multiple investigators.

**Deadline:** March 22

**Funds:** Instruments must cost at least $100,000 and funding requests may range up to $500,000.

**Areas:** Types of instruments include, but are not limited to: nuclear magnetic resonance systems, electron and confocal microscopes, mass spectrometers, protein and DNA sequencers and biosensors.

**Neuroimaging Studies (NIA) [2839]**

**Scope:** The National Institute on Aging and the National Institute of Biomedical Imaging and Bioengineering invite proposals for ancillary studies to the Alzheimer's Disease Neuroimaging Initiative (ADNI), a multi-site, longitudinal, naturalistic study of cognition in aging.

**Deadline:** Feb. 1, June 1, Oct. 1.

**Funds:** There is no specific funding setaside. Funding is via the research project grant, which provides varying amounts for up to four or five years; the small grant of up to $50,000 a year for two years; and the exploratory development grant, which provides up to $275,000 each over a two-year period.

**Areas:** Examples of interests are: studies for measuring potential biomarkers that use biological samples from ADNI; studies of data processing and analysis that use imaging collected from ADNI; and autopsy follow-up studies.
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

Thomas Darvill     Interim Director     Darvill@oswego.edu     (315)312-4013
Maria Nakamura    Associate Director  Nakamura@oswego.edu     (315)312-2884
Linda Cook        Administrative Assistant Lcook@oswego.edu     (315)312-2561
Michele Frazier   Staff Associate     Mfrazier@oswego.edu     (315)312-2886
Suzanne Maniccia  Administrative Assistant Maniccia@oswego.edu     (315)312-2890
Lorie Smith       Secretary I          Lsmith7@oswego.edu     (315)312-2888

Visit our web site
http://www.oswego.edu/administration/ORSP/index.html