



RESEARCH MATTERS

Editor: Joel Fritzler ♦ Office of Research Development and Administration ♦ www.siu.edu/orda

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ORDA Proposal Submission Policy and Procedures: An Update

—by Prudence M. Rice, Director

It's a new semester and we want to welcome all the new faculty joining us! It seems appropriate at this juncture to provide a brief refresher on institutional proposal submission policies and procedures, especially because federal agencies are increasingly requiring that researchers submit their proposals electronically through NSF FastLane, Grants.gov, etc. ORDA's proposal submission policy has been updated to reflect the fact that electronic proposal submissions are the new norm and involve new considerations.

Signature Authority

Some requirements have **not** changed with the move to electronic submissions. **All grant proposals, whether electronic or hard-copy, must be reviewed and approved by ORDA before going to the funding agency.** Only the ORDA Director or a designee has institutional signature authority. Proposals that do not require an institutional signature still must be approved by ORDA before the principal investigator (PI) submits the proposal to the agency. This is also the case when SIUC is a subcontractor with another institution.

Proposal Preparation

Once you know you will be submitting a proposal, please **notify the ORDA staff person assigned to your department/college at least a week in advance of the agency deadline.** If the proposal is to a limited-submission program, notification is 30 days in advance of the agency deadline; see www.siu.edu/orda/general/limited.html for information.

ORDA staff do not develop proposal budgets (you and your team are the best people to know if 10 widgets or 10,000 should be budgeted to achieve your project goals), but they

UPCOMING

Faculty Seed Grant Workshops

—Wednesday, September 13, 3:00-4:30 p.m.,
Woody Hall C-227
—Tuesday, September 19, 3:30-5:00 p.m.,
Woody Hall C-227

To reserve a seat, call ORDA at 453-4540 or
e-mail orda@siu.edu.

Faculty Seed Grant Application Deadline: Monday, November 13

Interdisciplinary Research Seed Grant Application Deadline: Monday, October 30

Preparing a Successful REACH Application

Thursday, October 12, 2:00-3:30 p.m., Woody
Hall C-227. Interested undergraduates can
reserve a seat at this workshop by contacting
Jo Nast at 453-4538 or jonast@siu.edu.

are more than happy to assist with this process and to review draft budgets. Your draft budget should originate from an Excel spreadsheet that can be easily understood and corrected. Budget templates are available on the ORDA website (www.siu.edu/orda; see “Proposal Assistance”).

Application forms should be completed by the PI. For electronic applications, forms are usually included with the agency’s request for proposals (RFP). To fill in the correct institutional details, such as identification numbers, consult “Proposal Assistance” on the ORDA website or contact ORDA staff for assistance.

Once the proposal is written, print the completed copy and bring it to ORDA along with the budget, agency forms, and fully signed Proposal Checklist (www.siu.edu/orda; see “Proposal Assistance”).

Special Notes on Electronic Submissions Programs

NSF FastLane: If a proposal is to be submitted via NSF FastLane, the PI must give ORDA access to the proposal and permission to submit it. The PI is responsible for uploading the narrative into the FastLane system and completing the forms. ORDA can make *minor* last-minute changes if the PI uses the “SRO edit” feature. See ORDA’s summary guidelines on FastLane at www.siu.edu/orda/guide/fastlane.html. FastLane also has a demonstration application for new users; see www.fldemo.nsf.gov.

Grants.gov: Grants.gov proposals and other e-grant submissions that require ORDA uploading should be either e-mailed or brought to ORDA on an external memory device. The proposal should be complete, including the forms and budget. PIs must follow agency submission guidelines when compiling the documents. See ORDA’s summary guidelines on Grants.gov at www.siu.edu/orda/guide/grantsgov.html. Grants.gov’s Applicant Help page (www.grants.gov/applicants/applicant_help.jsp) also has helpful resources, including a FAQs page and a user guide.

Other electronic submissions: Contact your ORDA staff person for guidance. Note

that even when the agency gives PIs the authority to submit their own proposals, ORDA approval is required first.

ORDA Submission Deadlines

Although electronic submission programs have many advantages (including saving trees), from the point of view of PIs and research administrators the process has been far from seamless, as funding agency directions and guidelines often seem to change overnight. The most serious problem that we in ORDA have encountered is PIs coming to our office to submit their proposals only an hour or two before they are due. ORDA staff have occasionally had to stay as late as 7 p.m. to assist with this process, which has been complicated by researchers wanting to continue to make changes in the proposal at the same time sections are being submitted. I’m sure you can all understand the difficulties this creates for staff (whose workday ends at 4:30 p.m.) as well as for other PIs who might be submitting at the same deadline. Hence we have set some new ground rules.

1. Electronic proposals: Proposals must be brought to ORDA for review at **least one working day in advance of the agency deadline**. After reviewing the proposal, ORDA will submit it or will give the PI authorization to submit it, depending on the agency’s submission system. Do not submit a proposal without authorization.

Note that **ORDA cannot guarantee that the proposal will be submitted if you do not meet this deadline**. Last-minute submissions can overload the funding agency’s system, and may result in incomplete information being submitted and a whole host of other problems. ORDA cannot be held responsible in these situations.

Furthermore, funding agencies assume a proposal has had adequate review and approval before the institution submits it. Proposals written haphazardly and without adequate review reflect unfavorably on the PI and the institution. When a researcher brings a proposal too late for adequate review, the director of ORDA may agree to sign the proposal to meet the agency deadline but **reserves the right to withdraw it from agency consideration** if it is found not to meet University guidelines and standards.

2. Non-electronic (hard-copy) proposals: These must be brought to ORDA for review **one working day in advance of the agency mailing deadline** if all you need is proposal review and sign-off. If you want ORDA to handle the photocopying and mailing of the proposal as well, bring it **two working days in advance**.

We are here to help you, and we appreciate your cooperation in helping us serve all PIs in a timely way. If you have questions, please contact us. ORDA’s web site has many resources for faculty who are seeking grant opportunities, writing grant proposals, and managing grant projects, including a comprehensive online *Sponsored Project Guide*.

Best wishes for a productive semester.

OF SPECIAL NOTE

ORDA Trades Duncan for Another Schwartz

If you missed the July issue of *Research Matters*, you may not have heard that Rex Duncan left ORDA for a position in the President’s Office. However, after a national search, Erick Schwartz (no relation to Sonjie Schwartz) has been hired away from a CPA firm in Myrtle Beach, S.C., to fill the void.

Erick is no stranger to SIU, as he is a double graduate of SIUC and previously worked in SIUC’s Grant & Contract Accounting office. While in Myrtle Beach, Erick’s duties included auditing public firms, so he will be helpful in keeping proposal budgets in line. He also just returned from a Pre-Award Research Administration Conference hosted by the National Council of University Research Administrators (NCURA), so he is now well versed in the jargon ORDA uses to maintain a safe level of confusion.

Erick will work with the Colleges of Applied Sciences and Arts, Business, Education, and Science, as well as Continuing Education, the Fisheries Center, and the Wildlife Lab. You can contact him at 453-4542 or ericks@siu.edu.

New Mass Spectrometry Facility To Host Open House

The College of Science and ORDA are pleased to announce the opening of SIUC's new Mass Spectrometry Facility in the Department of Chemistry & Biochemistry, Neckers Room 103. The newly retooled facility will hold an open house on Thursday, Sept. 21, from 2:00 to 5:00 p.m. Faculty and staff are welcome to attend and to discuss their research interests in person with facility staff.

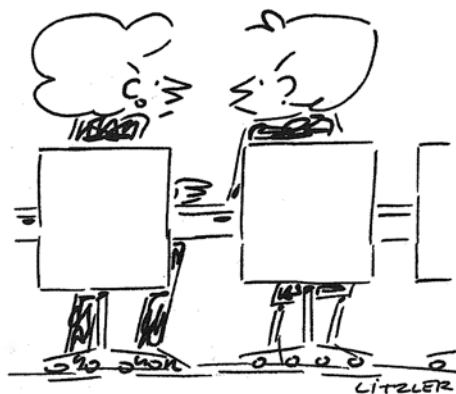
The facility houses a wide array of modern mass spectrometric instrumentation suitable for applications in chemical, biomedical, biological, and environmental research. Instruments include an Applied Biosystems 4700 Proteomics Analyzer (acquired through an NSF Shared Instrumentation Grant), a Bruker Daltonics Microflex MALDI mass spectrometer, a Bruker Daltonics Esquire ESI LC-MS high capacity ion trap mass spectrometer, and a ThermoFinnigan Polaris GCQ mass spectrometer.

Researchers are welcome to either submit samples for analysis or, for more extensive projects, to have direct access to the equipment following hands-on training by the facility personnel. The availability of this state-of-the-art facility to the SIUC research community should prove a valuable resource.

The director of the facility, Dr. Mary Kinsel, invites interested researchers to visit the facility website (www.mass-spec.siu.edu). For additional information about the facility, contact Mary (453-6428 or mkinsel@siu.edu).

Researcher Lounge Opens in Woody

Are you a PI needing a place to escape your dean or department chair, or to finish up a grant proposal? Or are you a dean or department chair needing a place to escape a PI seeking matching funds or multiple signatures? Well, seek no further than Room C-224 in Woody Hall. To better serve those preparing grant proposals for submission, ORDA has set up a room just



"All this time I thought a matching gift came in the same color and style."

Reprinted from *The Chronicle of Philanthropy*
by permission of the artist, Mark Litzler.

for you. Like a developing budget, the lounge is a work in progress, but there are two computers with Internet access and any software that you need to complete your proposal. There are also a couple of lounge chairs and a reading lamp to make you feel more at home. Future plans and additions to the room depend upon future funding, so feel free to include the lounge as a line item in your future budgets.

Chugh Earns Fulbright Senior Specialist Honor

—*excerpted from Southern Spotlight, Aug. 16, 2006*

Y. Paul Chugh, a professor of mining and mineral resources in the College of Engineering, will travel to India later this year as a Fulbright Senior Specialist. "One of the goals of this award is to nurture the students and the faculty with the latest methods of learning and teaching," Chugh said. "I will be interfacing with their faculty to see how we can transfer some of our teaching technologies to them and similarly work with the students on what are the different models of learning and how they can be incorporated into their program."

Created in 2000 to complement the Fulbright Scholar Program, the Fulbright Senior Specialists Award "provides short-term academic opportunities to prominent U.S. faculty and professionals to support curricular and faculty development and institutional planning in post-secondary academic institutions around the world," according to the organization. The programs range from two to six weeks. Chugh is one of more than 400 faculty and professionals from the United States who will travel abroad as a part of the program this year.

There are a number of Fulbright Program opportunities with deadlines in October and November. For a list of some of these opportunities, see **State Dept.** on page 8 of the Grant Deadlines section, and **Council for International Exchange of Scholars and Foundation for Educational Exchange Between Canada and the U.S.** on page 11.

The main webpage for the Fulbright programs is <http://exchanges.state.gov/education>.

RESEARCH DIGEST

Panel Calls for Extra Review of Dual-Use Research

—*excerpted from Science, July 21, 2006*

A panel set up to help the U.S. government prevent terrorists from misusing life sciences research has recommended that institutions adopt formal procedures to prescreen the publication of findings from such dual-use projects. The 25-member National Science Advisory Board for Biosecurity (NSABB) approved recommendations from one of its working groups asking authors, institutional reviewers, and journal editors to carry out a risk-benefit analysis before deciding whether to publish results of dual-use research.

The board has yet to specify how universities might implement this approach or how federal agencies funding dual-use projects might ensure compliance with guidelines for prepublication review. More detailed recommendations will not be ready before NSABB's October meeting, but several panelists suggested that the primary responsibility for oversight will likely fall upon institutional biosafety committees (IBCs).

The process would likely involve the following: An institutional oversight committee would first review proposals from researchers to determine, based on answers to specific questions, whether their projects have potential for misuse. If a project were to meet the standard for dual use—which the board has defined in broad terms as research leading to knowledge that could be misapplied to threaten “public health, agriculture, plants, animals, the environment, or materiel”—the proposal would be flagged accordingly before being submitted to a federal agency for funding. Papers and presentations arising from the work would need to undergo review by the same oversight body or a different one. In addition, journal editors accepting such submissions would be encouraged to conduct similar reviews of their own. Authors would have the option of appealing institutional decisions to modify their papers or prevent publication.

Bioinsecurity

—*excerpted from Science, July 28, 2006*

Some U.S. universities handling dangerous pathogens are beefing up their security procedures in the wake of a recent federal audit. A Department of Health and Human Services (DHHS) inspector general report found that between November 2003 and November 2004, 11 of 15 universities audited lacked adequate security procedures for handling select agents. Most problems involved access control, security plans, and training. In comments on DHHS's draft report, the Centers for Disease Control and Prevention stated that the findings “generally agree” with the results of its own inspections and that half of the 26 identified “weaknesses” have already been addressed.

NIH Prepares for Lean Budget

—*excerpted from Science, July 28, 2006*

2007 is shaping up to be another year of slim pickings for the National Institutes of Health (NIH). In mid-July, a Senate spending panel approved a modest 0.8% increase, to \$28.6 billion. The committee also asked the NIH director to fund a long-term, multibillion-dollar children's health study, a project NIH had said it can no longer afford.

The Senate Appropriations Committee's figure for NIH is \$201 million more than the president requested; a House spending panel [in June] approved roughly the amount Bush requested (minus \$100 million for the Global AIDS fund). It would give most institutes a slight boost (although less than the rate of inflation) instead of the cuts proposed in the House bill. Still, the raise is far less than biomedical researchers were expecting this spring after the Senate resolved to boost spending on health and education by \$7 billion.

Advocates are also worried about the committee's call for “full and timely implementation” of the projected \$3.2 billion, 30-year National Children's Study (NCS). The House bill requires the National Institute of Child Health and Human Development, which oversees the study, to

find \$69 million within its 2007 budget.

The Senate committee [was] silent on NIH's policy of asking grantees to submit their accepted manuscripts to NIH's free full-text papers archive. The House bill would make submission mandatory and require that NIH post the papers within 12 months.

Humanities and Social Sciences Should Improve Digital Resources

—*excerpted from The Chronicle of Higher Education, Aug. 11, 2006*

The humanities and social sciences need to give more attention and resources to building digital infrastructures within their disciplines, says a report from the American Council of Learned Societies. The report, “Our Cultural Commonwealth,” notes that the sciences have already made significant progress in creating “cyberinfrastructure”—including the establishment of an Office of Cyberinfrastructure at the National Science Foundation—and that the humanities must catch up.

Cyberinfrastructure is roughly defined as the systems, personnel, and practices that support the digital resources and activities of a discipline—including, but not limited to, digital collections and electronic communications. With documents and cultural artifacts constantly being generated in digital form, and a clear need to preserve and distribute those items for history and other disciplines, creating an “integrated, networked cultural record will require intensive collaboration among scholars,” along with help from librarians, archivists, the business community, and the public, the report notes. Along the way, people will have to come up with new technological tools, solutions to copyright and preservation problems, and sources of money to provide “seamless access to the cultural record.”

John Unsworth, dean of the graduate school of library science at the University of Illinois, was the chair of the 11-member commission that wrote the report. He said that development of cyberinfrastructure for the humanities should coincide with

digital efforts in the sciences. Whether forming a comprehensive cyberinfrastructure for the humanities and social sciences will take forever is still a question. Roy Rosenzweig, a professor at George Mason who served on the commission, said much of what is recommended in the report is “within the realm of the possible.” Gary Wells, an associate professor of art history at Ithaca College who has led conferences and written reports about technology and the humanities, said the report hit a lot of points that he has encountered in his research of the topic. Mr. Wells said the humanities and social sciences have an ever-growing collection of materials that need to be put in digital archives—central elements of any cyberinfrastructure—and yet the disciplines have very little money to work with. Institutions are going to have to figure out standards for digitization and archiving, Mr. Wells said. “Until some of those basic and fundamental problems are resolved,” he said, “I’m not certain that even the money that’s available is going to be well spent.”

Ed.—Access the report at <http://tinyurl.com/ehwok>.

FUNDING OPPORTUNITIES

For more information about these programs, contact Joel Fritzler, ORDA Information Specialist, at 3-4530 or jcfritz@siu.edu.

SIUC Interdisciplinary Research Seed Grants

Applications to the University’s Interdisciplinary Research Seed Grant program are due to ORDA on Monday, October 30.

This competitive, peer-reviewed program provides initial support for new, long-term programs of collaborative interdisciplinary research that will have strong potential to attract external funding. Proposals should involve multiple colleges, centers, and/or SIU campuses. Proposals from existing interdisciplinary programs

or centers must represent new initiatives and target external funding opportunities that existing programs cannot access.

Applicants must be full-time faculty members on continuing appointment who have not received funding through the Faculty Seed Grant Program within the last 24 months. Staff at the rank of Scientist or Researcher can be co-principal investigator (co-PI), but not lead PI.

For FY2007, proposals will be accepted for review in **five priority areas**:

- materials research
- biotechnology (including human health and nutrition)
- neuroscience/cognitive science
- energy
- Delta Region studies

Preference will be given to energy research. Only **one** award will be made in FY2007.

Grants provide up to \$30,000 per year for up to two years (\$60,000 maximum). Budget items may include equipment, commodities, contractual services, travel, graduate assistantship (one per year), and student worker wages. Summer salary for principal investigators may be requested up to a **total** of \$7,000 per year (note: this is a total, not per PI).

Proposals for this program are reviewed by one or more ad hoc advisory committees selected by the Vice Chancellor for Research and Associate Vice Chancellor for Research. External reviews may be solicited.

Awardees must submit a proposal related to their interdisciplinary seed grant topic to an external funding source no more than 6 months after the award period ends.

For FY2007 application materials, see www.siu.edu/orda/internal/interdisc_seed.html.

DEADLINE: Oct. 30

Michigan Society of Fellows

Each year the Michigan Society of Fellows selects applicants for appointment to **three-year fellowships in the arts and humanities, in the social, physical, and life sciences, and in the professional schools.** The newly appointed Postdoctoral

Fellows join a unique interdisciplinary community composed of their peers as well as Senior Fellows.

The most distinctive aspect of the Michigan Society is a multidisciplinary emphasis which gives the fellows an opportunity to interact across disciplines and to expand their horizons and knowledge. While their own scholarship is enriched, the fellows also enrich the University of Michigan through teaching during their residency and bringing new insights to other faculty members.

Applications are invited from qualified candidates who are at the beginning of their academic careers, having received the Ph.D. or comparable professional or artistic degree between June 1, 2004, and September 1, 2007. Fellows are appointed as assistant professors in appropriate departments at the University of Michigan and as postdoctoral scholars in the Michigan Society of Fellows. They are expected to be in residence during the academic years of the fellowship, to teach for the equivalent of one academic year, to participate in the informal intellectual life of the society, and to devote time to their independent research. The annual stipend will be \$49,689.

There is an application fee of \$30.00. Applications from recent recipients of the Ph.D. from the University of Michigan will not be considered.

For more information about this program, see <http://tinyurl.com/hcswa> or contact the society (734-763-1259, society.of.fellows@umich.edu).

DEADLINE: Oct. 6

IDOA: Sustainable Agriculture Research

The Illinois Department of Agriculture is seeking proposals through its FY07 Sustainable Agriculture Grant Program to carry out research, education, and on-farm demonstration projects that:

- (1) identify agricultural practices that maintain productivity and minimize environmental degradation;
- (2) relate overland runoff, sediment transport, stream flow quantity and quality, and groundwater quantity (recharge) and

quality to specific agricultural practices;

(3) integrate and coordinate experimental field and on-farm research and educational efforts of cooperating individuals, agencies, institutions, and organizations;

(4) test and refine alternative approaches to organizing and conducting on-farm research and demonstration projects;

(5) test the organizational approach of joint farmer/specialist development of a computerized decision support system (expert system) as an approach to fostering sustainable agriculture;

(6) develop an expert system embodying the expertise of experienced farmers and agency, institutional, and agri-business specialists to help answer the question of what tillage and crop management system should be used in a particular field in a particular year;

(7) test the usefulness of the existing conservation tillage knowledge base in making tillage system selection, implementation, and management decisions; and/or

(8) identify the most critical needs for research and educational programs related to sustainable agriculture.

For more information about this program, see www.agr.state.il.us/C2000 or contact Mike Rahe (217-782-6297, Mike.Rahe@illinois.gov).

DEADLINE: Oct. 12

NSF: Active Nanostructures and Nanosystems

The National Science Foundation will fund a program on collaborative research and education in the area of active nanostructures and nanosystems, and on the long-term societal change associated with these innovations. The goal of this program is to support fundamental research and catalyze synergistic science and engineering research and education in several emerging areas of nanoscale science and engineering, including:

- active nanostructures;
- nanosystems with improved functionality and new architectures;
- hierarchical nanomanufacturing; and

- long-term societal and educational implications of scientific and technological advances on the nanoscale.

This solicitation provides support for Nanoscale Interdisciplinary Research Teams (NIRT) and Nanoscale Exploratory Research (NER). It is estimated that 60 awards will be made from an anticipated funding amount of \$29 million.

For more information about this program, see <http://tinyurl.com/rgbrc> or contact Kevin Lyons (703-292-5365, klyons@nsf.gov) or Matthew Realff (703-292-7081, mrealf@nsf.gov).

DEADLINE: Nov. 15

NIH: Methamphetamine Research

The National Institutes of Health has issued a Funding Opportunity Announcement for “MDMA: Research Areas Needing More Emphasis.” The purpose of this request is to establish an optimally comprehensive and balanced MDMA (3,4-methylenedioxymethamphetamine) research program, given the upsurge in MDMA abuse worldwide, including its abuse outside the rave scene. Although researchers have made great strides in characterizing MDMA’s neural mechanisms and neurotoxicity, it is necessary now to focus on specific areas of MDMA research, across all research disciplines, that urgently need attention.

This FOA is designed to increase the scope of NIDA’s MDMA research portfolio. Clinical and preclinical research is needed. Research on racially and ethnically diverse populations in various social and cultural settings is encouraged. Studies with adolescent subjects are especially encouraged. When appropriate, research should include males and females, address gender issues, contain sex/gender-based hypotheses, and perform a sex/gender analysis of the data.

For additional information about this program, see <http://tinyurl.com/n9lpl> or contact Jerry Frankenheim (301-435-1312, JFranken@nida.nih.gov).

DEADLINE: Oct. 1

NIH: Science Education Drug Abuse Partnership Awards

The National Institutes of Health is soliciting Research Education (R25) grant applications to fund the development and evaluation of innovative model programs and materials for enhancing knowledge and understanding of neuroscience and the biology of drug abuse and addiction among K-12 students, the general public, health care practitioners, and other groups.

Awards will provide support for the formation of partnerships between scientists and educators, media experts, community leaders, and other interested organizations for the development and evaluation of programs and materials that will enhance knowledge and understanding of science related to drug abuse. The intended focus is on topics not well addressed in existing efforts by educational, community, or media activities.

For more information, see <http://tinyurl.com/f4jch> or contact Cathrine Sasek (301-443-6071, csasek@nih.gov).

DEADLINE: Oct. 1

NIA: Developmental Research on Elder Mistreatment

The National Institute on Aging will fund initial developmental research with the ultimate goal of providing a scientific basis for understanding, preventing, and treating elder mistreatment.

Scientifically gathered knowledge of the prevalence, incidence, and risk factors associated with community and institutional elder mistreatment in the United States is missing. Insight needs to be gained prior to the creation of national policy on preventing elder mistreatment. Developmental research prior to a full incidence/prevalence study is a necessary first step. This solicitation is intended to fund these initial steps.

For more information about this program, see <http://tinyurl.com/kkeol> or contact Sidney Stahl (301-402-4156, Sidney_Stahl@nih.gov).

DEADLINE: Oct. 24

NIH: Neuroeconomics of Aging

The National Institute on Aging will fund projects examining the social, emotional, cognitive, and motivational processes and neurobiological mechanisms of economic behavior as these (1) influence social, financial, and health-related decisions affecting the well-being of middle-aged and older adults, and (2) inform the development and refinement of integrative economic theories of utility, learning, and strategic choice relevant to aging.

Of particular interest are projects exploring the neurobiological underpinnings of economic behavior associated with life-cycle decisions in areas such as health care, health and long-term care insurance, health behaviors, savings, and retirement, as well as projects investigating age differences in socioeconomic phenomena that govern expenditures of social and economic capital, such as fairness, altruism, and trust.

For the purposes of this program, economic behaviors are defined as those related to the individual allocation of financial, temporal, social, and physical resources for the purpose of influencing the subjective or objective well-being of individuals, social groups, or institutions. Well-being in the context of this program is based on utility theory in neoclassical economic models of behavior, in which utility is an ordinal or cardinal measure of well-being derived from consumption of goods or leisure. Recently, the bridging of economics and psychology has led to recognition of the need to expand traditional conceptualizations of utility to include the contribution of affective, temporal, and social factors that influence well-being. Thus references to well-being are intended to reflect the common understanding across psychology, economics, and neuroscience regarding the concept of utility.

Research priority areas include: (1) investigation of age differences in reward processing, inter-temporal choice, preference formation, and motivation associated with economically relevant behaviors, with a focus on both the psychological and behavioral manifestation

of these differences and differences in the underlying neurobiological mechanisms; (2) development of innovative methods for measuring economic choices of relevance to middle-aged and older adults in the laboratory, field, and neuroimaging environments; (3) incorporation of neurobiological and behavioral measures of economic behaviors into longitudinal studies of aging; and (4) investigation of social, affective, and contextual factors influencing the economic behavior of middle-aged and older adults, and the neurobiological correlates thereof.

It is estimated that four to six awards will be made from an anticipated funding amount of \$1.5 million. For more information about this program, see: <http://tinyurl.com/rghkd> or contact Lis Nielsen (301-402-4156, nielsenli@nia.nih.gov).

DEADLINE: Nov. 27

NSF: Discovery Research K-12

The National Science Foundation's Discovery Research K-12 Program funds research, development, and evaluation activities through knowledge generation and application to improve K-12 learning and teaching. The program addresses this mission by funding activities in three major areas:

- **Applied Research**, which supports three categories of projects: Evaluative Studies of NSF-Funded Resources and Tools, Studies of Student Learning Progressions, and Studies of Teachers and Teaching.
- **Development of Resources and Tools**, which supports two categories of projects: Assessment of Students' and Teachers' Learning, and Instruction of K-12 Students and Teachers.
- **Capacity Building**, which supports two categories of projects: STEM Systems Research, and STEM Education Research Scholars.

In addition to these three areas, conferences related to the mission of the program are also supported.

It is estimated that 48 awards will be made from an anticipated funding amount of \$42 million. For more information about this program, see www.nsf.gov/

pubs/2006/nsf06593/nsf06593.htm or contact Michael Haney (703-292-5102, mhaney@nsf.gov).

DEADLINE: Letters of Intent (Mandatory)—Nov. 1

Wildlife Refuge System: History Initiative

Executive Order 13287 calls for federal agencies to improve their protection of historic properties and to foster visitor programs through partnerships. The U.S. Fish and Wildlife Service and the National Fish and Wildlife Foundation are requesting proposals to help foster interpretive, educational, and visitor initiatives that incorporate history and historic sites into the National Wildlife Refuge System's mission. This program seeks to protect historic sites, integrate history into refuge interpretive and education programs, and build partnerships with communities and organizations interested in supporting refuge programs.

Grant proposals must demonstrate national, state, or local partnerships to qualify. Priority will be placed on proposals that effectively blend interpretive or education programs with the Refuge System's mission to conserve fish, wildlife, and plants and that emphasize themes that are important for understanding American history at the national, state, or local levels.

Special consideration will be given to proposals that begin new interpretive or education programs on refuges that meet the President's Preserve America's objectives (www.preserveamerica.gov) or that have the potential to reach new audiences to broaden the public's understanding of and support for the Refuge System's mission (www.fws.gov/refuges).

Grant amounts range from \$10,000 to \$15,000. For more information about this program, see www.nfwf.org/programs/nwrgp_pa.cfm or contact Mr. Eugene Marino (FWS, 703-358-2173) or Mr. Jody Olson (NFWF, 202-857-0166).

DEADLINE: Nov. 1

GRANT DEADLINES

October and November 2006

Information on many of the following programs is available from the Community of Science grants database at www.cos.com or from www.grants.gov. For web links to programs, contact Joel Fritzler at jcfritz@siu.edu or see the "External Funding" pages on ORDA's web site.

October 2006

Federal

Agriculture

- Oct 09 CSREES: National Research Initiative—Interagency Microbial Observatories Program
- Oct 31 CSREES: Animal Biosecurity Coordinated Agricultural Projects; Plant Biosecurity

Commerce

- Oct 02 NOAA: Research in Satellite Data Assimilation
- Oct 20 NOAA: Collaborative Science, Technology, and Applied Research

Defense

- Oct 17 DARPA: Mission Adaptable Chemical Sensors
- Oct 19 DARPA: Disruptive Manufacturing Technologies
- Oct 20 USAF: Specialized Medical Materiel or Procedures Designed to Enhance Force Health Protection
- Oct 24 DARPA: VisiBuilding—ISR for Building Interiors
- Oct 27 DARPA: Dynamic Multi-Terabit Core Optical Networks: Architecture, Protocols, Control and Management
- Oct 31 DARPA: Analog Spectral Processors
- Oct 31 USMC: Marine Corps Training and Simulation Technology

Energy

- Oct 24 Superconducting Power Equipment

Health and Human Services

- Oct 01 NIOSH: Small Research Grants on Occupational Safety and Health
- Oct 01 NCI: Cancer Education
- Oct 01 NCI: Cancer Prevention, Control, Behavioral, and Population Sciences Career Development Award
- Oct 01 NCI: Immunoregulation of Gastrointestinal Carcinogenesis
- Oct 01 NIDA: Research Education Grants in Drug Abuse and Addiction
- Oct 01 NIDDK: Education Program Grants
- Oct 01 NIH: Centers of Excellence in Genomic Science
- Oct 01 NIH: Nutrition and Diet in the Causation, Prevention, and Management of Heart Failure
- Oct 01 NIH: Development Biology and Regeneration of the Liver
- Oct 01 NIH: Developmental Projects in Complementary Approaches to Cancer Care
- Oct 01 NIH: Novel Technologies for *In Vivo* Imaging
- Oct 01 NIH: Planning Grants for Translational Research for the Prevention and Control of Diabetes and Obesity
- Oct 01 NIH: The Influence of Religiosity and Spirituality on Health Risk Behaviors in Children and Adolescents
- Oct 01 NIMH: Research Education Grants in Mental Health
- Oct 06 NIH: Program Projects for Basic Research on Human Embryonic Stem Cells
- Oct 22 NIMH: Translational Research Centers in Behavioral Science
- Oct 23 NIAMS: Small Grant Program for New Investigators
- Oct 24 NIA: Developmental Research on Elder Mistreatment
- Oct 28 NCI: GCF/NCI Scholar's Program

National Science Foundation

- Oct 01 ENG: Structural Systems and Hazard Mitigation of Structures
- Oct 01 ENG: Materials Processing and Manufacturing
- Oct 01 ENG: Nanomanufacturing
- Oct 02 GEO: Critical Zone Observatories (watershed, fresh water)
- Oct 03 MPS: Algebra, Number Theory, and Combinatorics; Foundations
- Oct 06 BIO: Plant Genome Research
- Oct 07 ENG: Power, Controls, and Adaptive Networks
- Oct 09 BIO: Microbial Observatories and Microbial Interactions and Processes
- Oct 10 CISE: Foundation of Computing Processes and Artifacts
- Oct 12 EHR: Advanced Technological Education
- Oct 15 GEO: Geospace Environment Modeling
- Oct 19 CISE: Information and Intelligent Systems
- Oct 30 SBE: Partnerships for International Research and Education
- Oct 31 SBE: Archaeometry Awards

National Security Agency

- Oct 15 Research in Mathematics and Cryptology: Senior Investigators, Young Investigators, and Standard Grants
- Oct 15 MSP: Conferences, Workshops, and Special Situations

State Dept.

- Oct 03 Grants to Support International, Collaborative Projects in Science and Technology (U.S./Egypt)
- Oct 10 Grants to Support Junior Scientist Development Visits by U.S. and Egyptian Scientists
- Oct 15 ECA: Fulbright Teacher Exchange

Other**Alaska Conservation Foundation**

Oct 01 Watchable Wildlife Conservation

Alaska Humanities Forum

Oct 01 General Grants

American Academy of Arts and Sciences

Oct 14 Visiting Scholars

American Cancer Society

Oct 15 Basic, Preclinical, Clinical, and Epidemiology Research; Cancer Controls and Preventions; Psychosocial and Behavioral Research; Health Services and Health Policy

American Chemical Society

Oct 02 Research in Agricultural Chemistry

American College of Neuropsychopharmacology

Oct 31 Educational Outreach Grants

American Council for International Education

Oct 01 Southeastern Europe Research
Oct 01 Title VIII Combined Research and Language Training

American Dietetic Association

Oct 30 Nutrition Education Grants

American Music Center

Oct 01 Composer Assistance Grants

American Psychiatric Association

Oct 14 Research Development in Biological Psychiatry
Oct 14 Minority Research Fellowship

American Society for Microbiology

Oct 15 Indo-U.S. Professorships in Microbiology

American Society of Nephrology

Oct 01 Basic Science Travel Award

Association for Asian Studies

Oct 01 Japan Studies Grants: various
Oct 01 Korean Studies Grants: various

Association of Professors of Gynecology and Obstetrics

Oct 01 Medical Education, Undergraduate Education, Faculty Development, and Curriculum Development Grants

Association for Women in Mathematics

Oct 01 Travel Grants for Women Researchers

Burroughs Wellcome Fund

Oct 02 Career Awards for Medical Scientists

Bush Foundation

Oct 21 Bush Artist Fellowships

Chiang Ching-Kuo Foundation for International Scholarly Exchange

Oct 15 Research, Scholar, and Junior Scholar Grants

Children's Cardiomyopathy Foundation

Oct 06 Grants

Doctors Cancer Foundation

Oct 31 Investigator Grants

Filson Historical Society

Oct 15 Ballard Breaux Visiting Fellowships

Gynecologic Cancer Foundation

Oct 06 Research Grants for Ovarian, Breast, and Endometrial Cancer

Hawai'i Council for the Humanities

Oct 15 Publication Assistance Grant

Hereditary Disease Foundation

Oct 15 Lieberman Award (Huntington's Disease)

Alexander von Humboldt Foundation

Oct 31 Transatlantic Cooperation in Research—Humanities, Social Sciences, Economics, and Law

Robert Wood Johnson Foundation

Oct 25 Scholars in Health Policy Research

Meet the Composer

Oct 01 Creative Connections

National Art Education Association

Oct 01 Various Awards

National Organization for Hearing Research

Oct 06 Annual Research Awards

Orthopaedic Research and Education Foundation

Oct 03 Various Research Awards

Pharmaceutical Research and Manufacturers of America Foundation

Oct 01 Research Starter Grants in Health Outcomes

Research Corporation

Oct 02 Research Grants in Energy Sciences, Engineering, Natural and Physical Sciences, Mathematics, and Technology

Skin Cancer Foundation

Oct 13 Research Grants

Society for Progressive Supranuclear Palsy

Oct 01 Research Grants

South Dakota Arts Council

Oct 01 Artists-in-Schools Artist Grants

U.S. Poultry and Egg Foundation

Oct 05 Research Grants

Virginia Foundation for the Humanities and Public Policy

Oct 15 Resident Fellowship

Whitehall Foundation (Neurobiology)

Oct 01 Research Grants and Grants-in-Aid

November 2006**Federal****Agriculture**

Nov 06 Hendricks Lectureship (Agricultural/Food Chemistry)

American Museum of Natural History

Nov 01 Collection Study Grants
Nov 15 Research Fellowships; Chapman Memorial Grants

Defense

Nov 21 DARPA: Nanoscale Architectures for Coherent Hyper-Optic Sources
Nov 28 DARPA: Sustained Littoral Presence Program
Nov 30 Navy: National Oceanographic Partnership

Energy

Nov 01 Low & Medium Energy Nuclear Physics
Nov 08 High Energy Physics—Outstanding Junior Investigator
Nov 14 Basic Research for Solar Energy Utilization

EPA

Nov 01 National Academies: Summer Faculty Program

Health and Human Services

Nov 01 NCI: Established Investigator Award in Cancer Prevention and Control
Nov 01 NIDDK: Type 1 Diabetes—Rapid Access to Intervention Development
Nov 01 NIH: Mentored Quantitative Research Development Award
Nov 11 NIAID: Allergen and T Cell Reagent Resources for the Study of Allergic Diseases
Nov 17 NIEHS: Disease Investigation Through Specialized Clinically Oriented Ventures in Environmental Research
Nov 20 NCI: Cancer Prevention Research—Small Grant Program

HHS cont.

Nov 21 NIDCR: New Models of Pain Relevant to the Trigeminal System
Nov 21 NIDDK: Clinical Nutrition Research Unit Core Centers
Nov 22 NICHD: Developmental Infrastructure for Population Research
Nov 27 NIA: Neuroeconomics of Aging
Nov 27 NIAID: Cooperative Research into Therapeutics and Diagnostics for Category B Bacteria, Viruses, and Parasites
Nov 27 NIAID: Partnerships to Improve Diagnosis and Treatment of Selected Drug-Resistant Healthcare-Associated Infections
Nov 27 NIAID: Cooperative Research Partnerships into Therapeutics and Diagnostics for Biodefense Toxins
Nov 27 NIAMS: Rheumatic Diseases Research Core Centers
Nov 28 NHGRI: Technology Development for the Comprehensive Determination of Functional Elements in Eukaryotic Genomes
Nov 29 NIH: Collaborative Research on Tinnitus
Nov 30 NHLBI: Career Development Program in the Genetics and Genomics of Lung Diseases

Holocaust Memorial Museum

Nov 25 Research Fellowships: Jewish Resistance; Archival; Postdoctoral; Displaced Persons; and Holocaust in Romania

National Archives

Nov 01 JFK Library: Ernest Hemingway Research Grant

National Foundation for the Arts and the Humanities

Nov 01 Collaborative Research

National Science Foundation

Nov 01 MPS: Advanced Technologies and Instrumentation
Nov 03 MPS: Biomaterials

NSF cont.

Nov 06 Minority Postdoctoral Research Fellowships
Nov 07 Quantitative Environmental and Integrative Biology
Nov 07 MPS: Applied Mathematics; Statistics; Geometric Analysis; Topology; Probability
Nov 10 Arctic Research Opportunities
Nov 10 CISE: Computer Systems Research
Nov 15 Active Nanostructures and Nanosystems
Nov 15 GEO: Earth Sciences Research at the NSF—Continental Dynamics
Nov 16 Dynamics of Coupled Natural and Human Systems

Smithsonian Institution

Nov 15 Tropical Research Institute: Short-Term Fellowships

Other**Academy of American Poets**

Nov 15 Walt Whitman Award

Actors Theatre of Louisville

Nov 01 National Ten-Minute Play Contest

American Academy of Audiology

Nov 15 New Investigator Research

American Association for Cancer Research

Nov 28 Scholar-in-Training Awards

American Association of University Women

Nov 15 Summer/Short-Term Research Publication Grants

American Council of Learned Societies

Nov 15 American Research in the Humanities in China
Nov 15 East Asian Archaeology/Early History: Translation Grants

American Heart Association

Nov 15 Stroke Prevention Research

American Research Institute in Turkey
Nov 01 Humanities Fellowship

American Rivers
Nov 01 River Restoration

American Society for Biochemistry and Molecular Biology
Nov 30 Team Travel Award

American Society for Investigative Pathology
Nov 15 Minority Trainee Travel

American Society of Nephrology
Nov 15 R01 Research Bridge Funding

American-Scandinavian Foundation
Nov 01 Awards for Study in Scandinavia

Burroughs Wellcome Fund
Nov 01 Pathogenesis of Infectious Diseases

Council for International Exchange of Scholars
Nov 01 Fulbright Scholar Program: German Studies Seminar; U.S.-Japan Int'l Education Administrators; U.S.-Korea Int'l Education Administrators; Sociology/Anthropology in China

Foundation for Educational Exchange Between Canada and the U.S.
Nov 15 Canada/U.S. Fulbright Visiting Research Chairs Program; Traditional Fulbright Scholar Awards

German Academic Exchange Service
Nov 01 Study Scholarships (all academic fields, PhD ABD/Postdocs)

Getty Trust
(Arts, Humanities, Social Sciences)
Nov 01 Getty Scholars; Various Other Visiting and Nonresidential Grants and Fellowships, Including Pre- and Postdoctoral Residential Fellowships

Great Lakes Regional Center of Excellence for Biodefense and Emerging Infectious Diseases
Nov 01 Career Development Projects

National Academies
Nov 01 Summer Faculty Programs (environmental, EPA)

Retina Research Foundation
(Retinal Disease)
Nov 15 Research Grants

Society for Cardiovascular Angiography and Interventions
Nov 30 Research Grants

U.S. Indonesia Society
Nov 03 Sumitro Fellows: Political and Economic Relations

U.S./Israel Binational Science Foundation
Nov 15 Start-Up Grants; Collaborative Research

AWARDS PROCESSED

Externally funded grants and contracts processed during August 2006

Title	Investigator(s)	Department(s)	Agency	Award
Research Awards				
*Professional Development International Fellowship for Amaha Segid Debretsiion	R. Corruccini	Anthropology	Wenner-Gren Foundation for Anthropological Research, Inc.	\$17,500
*Acquisition of a 300 MHz Solid-State NMR Probe	D. Dyer L. Vermeulen Y. Gao B. Goodson L. Zang M. McCarroll P. Kohli W. Stevens	Chemistry Chemistry Chemistry Chemistry Chemistry Chemistry Chemistry NMR Facility	NSF	\$164,419
*Molecular Simulation of Catalytic Activities of Transition Metal Oxides	Q. Ge	Chemistry	Battelle Pacific Northwest Labs (USDOE)	\$13,902
*Exploratory Research on Fabrication and Characterization of Coaxial Nanowires	L. Zang	Chemistry	NSF	\$100,000
*Field Demonstration of Concrete Composites Made with Illinois CCBs in Construction of Southern Illinois Ballpark	S. Kumar	Civil Engineering	City of Marion, IL (IDCEO)	\$20,000
*Evaluation of Potential Habitat for Peregrine Falcon Reintroduction in Southern Illinois	C. Roy Nielsen	Cooperative Wildlife	IDNR (USDI/USFWS)	\$40,672
Cooperative Wildlife Research - Illinois Deer Investigations	E. Schauber C. Nielsen	Cooperative Wildlife Cooperative Wildlife	IDNR/Division of Wildlife Resources (USDI/USFWS)	\$171,420
*Human-Machine Interface System for Hands-Free Robot Control	L. Gupta	Electrical and Computer Engineering	Naval Postgraduate School Foundation	\$19,795
*Temperature as a Component of Toxicity Identification Evaluation for Pyrethroid Insecticides	M. Lydy A. Harwood	Fisheries Center Fisheries Center	USEPA/STAR Fellowship Program	\$12,178

Title	Investigator(s)	Department(s)	Agency	Award
*Fate and Effects of Sediment-Associated Pyrethroid Insecticides in Central Valley, California	M. Lydy A. Trimble	Fisheries Center Fisheries Center	USEPA/STAR Fellowship Program	\$12,178
*Enhancement of Blast Resistance in Composite Marine Structures	S. Abrate	Mechanical Engineering	USN/ONR	\$45,000
*Development of a System for Testing the Performance of Nanofluid Flow and Heat Transfer in a Heat Exchanger	E. Nsofor	Mechanical Engineering	American Society of Heating, Refrigeration and A/C Engineers	\$5,000
*Characteristics of Multidrug Resistance	Y. Mo	Medical Microbiology and Immunology	U of I Chicago (USDHHS/NIH)	\$19,691
Ubc9 as a Novel Target for Cancer Therapy	Y. Mo	Medical Microbiology and Immunology	USDHHS/NIH/NCI	\$232,150
Asthma and Adiposity	P. Hopkins-Price	Medicine	American Lung Association	\$40,000
*Role of Rab25 in Breast Cancer Progression	K. Rao	Medicine	IDPH	\$65,000
Development of Coal Combustion Products-Based Transmission Poles for the Utility Industry (CBRC Administration)	Y. Chugh	Mining and Mineral Resources Engineering	West Virginia University (USDOE/IDCEO/ICCI)	\$51,000
*Role of Estrogen on Lipid Internalization in Neurons	X. Cheng	Neurology	IDPH	\$35,000
*Objective Measures of Motor Impairment in Early Parkinson's Disease: Feasibility Study of At-Home Testing	R. Elble	Neurology	Kinetics Foundation	\$18,546
*Determine Safety of Long-Term Oral SPM 927 for Partial Seizures	S. Evans	Neurology	Schwarz Pharmaceutical	\$14,483
IMDN/Child and Family Connections - Effingham	J. Joost	Pediatrics	IDHS	\$25,890
IMDN/Child and Family Connections - Mason County	J. Joost	Pediatrics	IDHS	\$10,860
*Childhood Cancer-Associated Brain Disorders: Inflammatory Mediators as Therapeutic Targets	M. Pranzatelli	Pediatrics	The CINN Foundation	\$50,012
Vanilloid Receptors in Diabetic Peripheral Neuropathy	L. Premkumar	Pharmacology	USDHHS/NIH	\$251,351

Title	Investigator(s)	Department(s)	Agency	Award
*TILLING: A Community-Oriented Reverse Genetics Tool in Soybean	K. Meksem	Plant, Soil, & Ag Systems	USDA/CSREES	\$490,000
*Effect of Tinnitus Retraining Therapy on Subjective and Objective Measures of Tinnitus	C. Bauer	Surgery	Tinnitus Research Consortium	\$99,800
*Study of Tamsulosin Hydrochloride in Children with Neuropathic Bladder	P. McKenna	Surgery	Boehringer Ingelheim	\$29,772
*Monitoring the Mixing of Chloride in Living Light Ministry (Maru) Pond as Part of Its Recovery	F. Wilhelm	Zoology	IEPA	\$10,000
*Summary and Cost-Benefit Analysis of Projects to Improve the Water Quality in Illinois Lakes	F. Wilhelm	Zoology	The Lumpkin Foundation	\$15,761
Training Awards				
Expanded Practice Management Training Model - Quincy Residency Program	T. Miller	Family and Community Medicine	IDPH	\$100,000
Education and Training of PHLS for Responsiveness to Bioterrorism Agents	D. Carpenter	Medical Microbiology and Immunology	IDPH	\$122,431
Other Awards				
*Center for Intergenerational Leadership	J. Angelis	Affirmative Action	ISBE	\$60,000
Southern Region Even Start Program	B. Grace	Curriculum and Instruction	Murphysboro School District #186 (USED/ISBE)	\$85,500
Southern Region Prekindergarten and Parental Training 3-5 Programs FY2007	B. Grace	Curriculum and Instruction	Murphysboro School District #186 (ISBE)	\$3,082,332
Southern Region Prevention Initiative and Parental Training 0-3 Programs FY07	B. Grace	Curriculum and Instruction	Murphysboro School District #186	\$310,295
Southern Illinois Entrepreneurship Center	E. Carter	Economic Development	IDCEO	\$146,584

Title	Investigator(s)	Department(s)	Agency	Award
*Rural Medical Transportation Network	T. Ford K. Guetersloh K. Sanders	Economic Development Economic Development Economic Development	IDOT	\$249,885
Mobile School Health Center Program	P. Tippy	Family and Community Medicine	IDHS	\$100,000
Violent Crime Victims Assistance Program Grant	D. St. Germain	Pediatrics	IAG	\$29,872
Project 12-Ways Enhancement	B. Greene	Rehabilitation Institute	IDCFS (USDHHS)	\$3,082

*indicates new award

Awards Processed During August 2006 (40) \$6,371,361

Summary of Fiscal Year 2007 Awards Received to Date

excludes Financial Aid Office awards

	Fiscal Year 2007 Awards as of August 2006		Fiscal Year 2006 Awards as of August 2005	
Research	(48)	\$3,898,791	(63)	\$5,632,881
Training	(12)	\$772,924	(13)	\$987,894
Other	(26)	\$8,885,504	(25)	\$8,894,720
Federal	(28)	\$5,434,181	(36)	\$7,257,619
State	(30)	\$3,187,602	(33)	\$3,964,659
Industry	(4)	\$112,352	(6)	\$258,389
Foundation	(7)	\$195,067	(8)	\$232,628
Other	(17)	\$4,628,017	(18)	\$3,802,201
TOTAL	(86)	\$13,557,219	(101)	\$15,515,495