



Office of Research and Sponsored Programs

Newsletter, October 2009

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ANNOUNCEMENTS

THREE OAKS MIDDLE SCHOOL REQUEST FOR SCIENCE FAIR JUDGES

This invitation is extended to Florida Gulf Coast University to serve as a judge and help select the students who will represent Three Oaks Middle School at the Lee County Regional Science Fair. The School Fair will be held on Tuesday, December 8, 2009 at Three Oaks Middle School.

You would use your expertise in determining how well these middle school students understand and use the scientific method. You will rate their projects on a rubric provided the day of judging. There will be a short training session as part of the judges' orientation breakfast on the day of the fair, and this will include a discussion of the criteria.

The judging will take place at Three Oaks Middle School, and will start with a continental breakfast at 9:00 A.M. in the media center. Your official duties would be completed by noon.

If you are able to participate, please contact JasonLL@leeschools.net or fax (239) 267-4007 between the hours of 8-5. Should you have any questions, please call the school between 8:00-9:30 and 4:00-4:30 at 239-267-5757 or in the evenings at (419)-852-0190 or by email JasonLL@leeschools.net.

GRANT WRITING WORKSHOP

The State of Florida Department of Health and Grant Writing USA will present a GRANT WRITING WORKSHOP in Belle Glade, October 22-23. This training is applicable to city, county and state agencies, nonprofit organizations, K-12 schools, colleges and universities. For more information including venue location, tuition, graduate testimonials and online enrollment, please visit us at: <http://GrantWritingUSA.com>

GRANTS.GOV SUBMISSION GUIDELINES

Due to heavy traffic on the grants.gov server, ORSP has been advised to begin the submissions process to grants.gov two working days prior to the submission deadline date. This means ORSP needs your completed proposal **four** days prior to the submission deadline. The Grants.gov icon is shown next to this month's Funding Announcements that require this submission process. If you wish to apply for a grant through grants.gov, contact Beth Rieger at brieger@fgcu.edu.



ORSP WEBSITE

ORSP offers a multitude of services to assist you in preparing and submitting grant applications. Our website at <http://www.fgcu.edu/orsp> provides easy access to the forms, announcements, and other useful materials. We would like to include links to websites associated with the many externally funded projects currently active. Send the URLs to dstremke@fgcu.edu and the link will be added to ORSP's site.

HAVE YOU COMPLETED YOUR GENIUS/SMARTS PROFILE IN INFO ED?

In order to process your proposals, ORSP needs a GENIUS/SMARTS investigator profile in our web-based database system. To edit a Genius profile, use an on-campus computer and go to <http://fgcu-mako.primary.ad.fgcu.edu>. Click on “Login”; then on “Profile”; and proceed to edit the information contained in your profile. Please select keywords that describe your research interests. For further assistance or if you any questions about these InfoEd products please contact Lucia Soria at asoria@fgcu.edu. If you have a GENIUS/SMARTS profile, you can search InfoEd’s SPIN Plus from any on-campus computer to find funding. Call Lucia at ext.7020 to send you instructions.

ORSP PROGRAM: STUDENT TRAVEL AWARDS

ORSP supports enrolled FGCU students by providing funds on a first-come, first-serve basis so they can present their scholarly works at conferences. ORSP staff will assist the students with the necessary paperwork, both before and after the travel. Within 30 days of travel completion, all awardees are required to submit a one-page report to ORSP describing the benefit of the award and the overall experience. Awardees are required to participate in Research Day in April. The guidelines and application form are at: <http://www.fgcu.edu/orsp/internalPrograms.html>

ORSP PROGRAM: FACULTY TRAVEL AWARDS

ORSP provides travel awards up to \$1,000 for faculty to attend technical workshops or other related activities for the purpose of increasing chances of obtaining a grant. The trip must result in a proposal submission through ORSP. The application consists of the following items: a 50-100 word abstract of the proposed project; workshop information or the specific purpose of the trip; and an estimated budget for travel expenses. Guidelines and application are on our web page at: <http://www.fgcu.edu/orsp/internalPrograms.html>

DO YOU NEED HELP WITH PROPOSAL PREPARATION?

Please contact Beth Rieger at brieger@fgcu.edu to assist you set up your budget and to complete your proposal/application package. ORSP will then enter the budget information into the sponsor’s budget form for you and provide you with a copy to help you prepare the budget justification. ORSP needs to receive your completed proposal package three business days (four business days for grants.gov) before the submission deadline. We ensure all the required forms are attached and that your proposal is compliant with the specifications outlined in the RFP/RFA. Remember that additional forms, releases, and agreements may be required, so make sure **you** allow enough time for these documents to be prepared. If ORSP receives the completed proposal with less than the three (or four) business days’ lead time, we cannot guarantee that the proposal will be submitted.

CONGRATULATIONS

AWARDS DURING THE LAST MONTH

College of Arts and Sciences			
ALLMAN, Phillip	U.S. Fish and Wildlife Service	Sea Turtle Conservation in Ghana (Strengthening The Local Capacity to Integrate Research, Education, and Ecotourism into Meaningful Sea Turtle Management Strategies in West Africa)	\$10,500.00
CEILLEY, David Everham, Edwin	Kitson Babcock	Aquatic Faunal Assessment, Babcock Community	\$15,000.00
FITCH, John	Environmental Protection Agency	Combining Innovative Renewable and Native American Technologies in the Design of a Sustainable "Outdoor Classroom"	\$9,994.00
JACKSON, Jerome Jackson, Bette	Babcock Property Holding, L.L.C.	Fall Migration, Babcock Ranch	\$15,000.00
PARSONS, Michael Fugate, David Loh, Ai Ning Rumbold, Darren Savarese, Mike Tolley, Greg Voley, Aswani	U.S. Department of Education	The Impacts of Variable Freshwater Inflow On Estuarine Process In Southwest Florida	\$333,000.00
SAVARESE, Michael	Rookery Bay National Estuarine Research Reserve	Coastal Training Program	\$597.86
TOLLEY, S. Gregory	Florida Department of Environmental Protection	Coral Reef Conservation Program 2009-2014	\$250,003.00
VOLETY, Aswani Tolley, S. Gregory Toll, Roll Rumbold, Darren	National Science Foundation	Planning for the Field Station	\$24,070.00
College of Business			
GEIGER, Chris Isern, Sharon Michael, Scott	National Science Foundation	MRI: Acquisition of An Inverted Confocal Microscope For FGCU	\$449,314.00
ZALEWSKI, Janusz	University of Central Florida	Expansion of Internet-Based Embedded Systems Lab to Enhance Courses	\$12,480.00
ZIDEK, Lisa Ellis, Tina Sweeney, Jim Csavina, Kristy	Global Public Service Academics	International Health Guatemala/Marketing	\$104,676.00
ZIDEK, Lisa Ellis, Tina Sweeney, Jim Csavina, Kristy	Global Public Service Academics	International Health Guatemala/Educational	\$25,000.00
College of Education			
GREENE, Marci Isaacs, Maddy	Florida Department of Education	Teacher Recruitment IDEA B 2009-2010	\$135,874.00
GREENE, Marci Isaacs, Maddy	Florida Department of Education	Teacher Recruitment Title IIA State 2009-2010	\$845,876.00
Student Affairs			
YOVANOVICH, Michele	US Department of Education	Student Support Services 2005-2009	\$268,465.00
YOVANOVICH, Michele Doyle, Cathy	Florida Department of Education	College Reach Out Program 2009 - 2010 ARRA	\$27,319.68
YOVANOVICH, Michele Doyle, Cathy	Florida Gulf Coast University	College Reach-Out Program 2009-2010	\$ 194,901.00

SUBMISSIONS DURING THE LAST MONTH

College of Arts and Sciences * denotes correction			
Parsons, Michael*			
David Fugate			
Ai Ning Loh		The Impacts of Variable Freshwater	
Darren Rumbold	US Department of Education	Inflow On Estuarine Process In	\$333,000.00
Mike Savarese		Southwest Florida*	
Greg Tolley			
Aswani Voley			
RUMBOLD, Darren*		MRI-R2: Acquisition of ICP-MS	
Loh, Ai Ning	National Science Foundation	Instrumentation to Investigate	\$928,986.00
Dubetz, Terry		Environmental Contaminants to the	
Voley, Aswani		Gulf of Mexico	
CORCORAN, Peter Blaze	Allegra Print and Imaging	Allegra Foot Print Fund	\$1,000.00
College of Education			
GREENE, Marci	Florida Department of Education	Florida Inclusion Network 2009-2010	\$260,000.00
HIBBARD, Susan	Southwest Florida Workforce Development Board, Inc.	Evaluation for Miracle Plus 3 Project	\$1,500.00
HIBBARD, Susan	Southwest Florida Workforce Development Board, Inc.	Evaluation for Miracle Plus 2 Project	\$2,000.00
HIBBARD, Susan	Southwest Florida Workforce Development Board, Inc.	Evaluation for Miracle Plus 1 Project	\$ 2,000.00

FUNDING OPPORTUNITIES

ENVIRONMENTAL PROGRAMS

P3 AWARDS: SUSTAINABILITY FOCUSING ON PEOPLE, PROSPERITY AND THE PLANET

The U.S. Environmental Protection Agency, as part of the P3 Award Program, seeks applications proposing to research, develop, and design solutions to real world challenges involving the over-all sustainability of human society. The P3 competition highlights the use of scientific principles in creating innovative projects focused on sustainability. The P3 Awards program was developed to foster progress toward sustainability by achieving the mutual goals of economic prosperity, protection of the planet, and improved quality of life for its people-- people, prosperity, and the planet – the three pillars of sustainability. The EPA offers the P3 competition in order to respond to the technical needs of the world while moving towards the goal of sustainability.

http://www.epa.gov/ncer/rfa/2010/2010_p3.html

Deadline: 01/05/2010

FELLOWSHIPS FOR UNDERGRADUATE ENVIRONMENTAL STUDY

The U.S. Environmental Protection Agency, as part of its Greater Research Opportunities (GRO) program, is offering GRO undergraduate fellowships for bachelor level students in environmental fields of study.



Eligible students will receive support for their junior and senior years of undergraduate study and for an internship at an EPA facility during the summer between their junior and senior years. The fellowship provides up to \$19,250 per year of academic support and up to \$8,000 of internship support for a three-month summer period. The EPA is making available 30 grants of \$46,500 each to enhance and support quality environmental education for undergraduates.

Subject Areas are:

- EPA-F2009U-GRO-P1 Natural and Life Sciences
- EPA-F2009U-GRO-P2 Environmental Science and Interdisciplinary
- EPA-F2009U-GRO-P3 Engineering
- EPA-F2009U-GRO-P4 Social Sciences and Decision Making
- EPA-F2009U-GRO-Q1 Physical Sciences
- EPA-F2009U-GRO-Q2 Mathematics and Computer Science

http://epa.gov/ncer/rfa/2010/2010_gro_undergrad.html

Deadline: December 10, 2009

HEALTHY HOMES AND TECHNICAL STUDIES PROGRAM

The Department of Housing and Urban Development 2009 Green and Healthy Homes Technical Studies Program offers funding opportunities that will improve our knowledge of the effects residential green construction has on both indoor environmental quality and occupant health, with a particular focus on children and other sensitive populations. The goals are to improve our knowledge of the benefits of residential green building methods on 1) indoor environmental

quality, and 2) occupant health. It is expected that benefits would be most likely observed for respiratory health outcomes and reductions in irritation-related symptoms. Questions regarding specific program requirements should be directed to the agency contact identified in this program NOFA. Questions regarding the FY2009 General Section should be directed to the Office of Departmental Grants Management and Oversight at 202-708-0667 or the NOFA Information Center at 1-800-HUD-8929. Reference: (CFDA) Number: 14.911, Green and Healthy Homes Technical Studies Program.

<http://www07.grants.gov/search/announce.do;jsessionid=yR18KGVQRhmph0sfz9wdhqP2Mhr7R0LNTjxF75nxkb1Hk0mSYtGW!-1017983794>

Deadline: Nov 17, 2009

HEALTH PROFESSIONS

CLINICAL AND HEALTH OUTCOMES INITIATIVE

In FY 2010, the NIH Agency for Healthcare Research and Quality (AHRQ) intends to support research grants focusing on comparative effectiveness of different clinical treatments and services. The intent of these research project grants is to support research focusing on the generation and translation of new scientific evidence and analytic tools in an accelerated format and the integration of evidence into practice and decision-making in the health care system. AHRQ is especially interested in studies that include under represented and AHRQ priority populations such that potential clinical heterogeneities and population subgroups are considered in study design and proposed methodologies, and that subgroup analyses can be performed and research results and findings are relevant for all populations. Applicant's specific plans for inclusion of priority populations will be evaluated by the scientific review committee and will be a component of the assigned priority score.



Specifically, this FOA requests applications for large projects in comparative effectiveness aimed at generating new knowledge to help inform decision making in priority areas of clinical care. The impact of these studies should have a high likelihood of creating major advancements in clinical care. Emphasis is placed on applications that define important research gaps and design a study to provide actionable results. Applications that include study aims to address the outcomes and effectiveness of assessments across population subgroups often underrepresented in medical research are expected. Priority populations include but are not limited to racial and ethnic minorities, persons with disabilities, children, elderly, patients with multiple and chronic conditions, and disadvantaged and/or under represented populations for the specific condition being studied. Priority conditions important to the Medicare, Medicaid, and CHIP programs and mandated by the MMA section 1013 are of special interest. The current list of priority conditions includes:

- Arthritis and non-traumatic joint disorders
- Cancer
- Cardiovascular disease, including stroke and hypertension
- Dementia, including Alzheimer's disease
- Depression and other mental health disorders
- Developmental delays, attention-deficit hyperactivity disorder and autism
- Diabetes mellitus
- Functional limitations and disability
- Infectious diseases including HIV/AIDS
- Obesity
- Peptic ulcer disease and dyspepsia

- Pregnancy including pre-term birth
- Pulmonary disease/asthma
- Substance abuse

The clinical emphasis of the application should be to develop new scientific evidence that fills important knowledge gaps and to generate critical insights on the clinical effectiveness and comparative clinical effectiveness of health care interventions. These interventions could include medical tests, devices, procedures, therapeutics, or behavioral and counseling interventions. For studies in which randomized controlled trials may not be feasible or timely, or would raise ethical concerns that are difficult to address, novel or alternative study designs should be proposed, with the emphasis on prospective data collection as appropriate. Such clinical research projects also need to be informed by the information needs and inputs from various stakeholders (e.g., policy-makers, clinicians, and patients) to ensure the most appropriate outcome measures for assessing the effectiveness of the interventions and outcomes of importance to stakeholders are included in the study.

<http://grants.nih.gov/grants/guide/rfa-files/RFA-HS-10-003.html>

Deadline: December 16, 2009

INTERDISCIPLINARY RESEARCH

NSF INTERDISCIPLINARY RESEARCH

The NSF Directorate for Engineering welcomes and encourages the submission of transformative, interdisciplinary research proposals to its Divisions.

Definition of Interdisciplinary Research

"Interdisciplinary Research (IDR) is a mode of research by teams or individuals that integrates information, data, techniques, tools, perspectives, concepts, and/or theories from two or more disciplines or bodies of specialized knowledge to advance fundamental understanding or to solve problems whose solutions are beyond the scope of a single discipline or area of research practice".

Characteristics of IDR Proposals

- IDR submissions should have a level of interdisciplinary content not covered in the core programs of ENG. To be funded, IDR proposals must ultimately attract funding from at least two programs in at least two divisions of the NSF. The primary funding division must be within ENG.
- IDR proposals may be on any topic relevant to engineering and, in particular, should not be constrained by the current program structures. It is hoped that new fields of research will eventually emerge from IDR awards.
- While not an absolute requirement, an IDR proposal typically will be submitted by a small team of 2-4 investigators.
- The typical anticipated total award size will be \$400,000-600,000 (for up to three years), although requests of lesser or greater size, up to a total of \$1,000,000, will be considered, consistent with the scope of the proposed work.

Submission of IDR Proposals

- IDR proposals that do not comply with the following requirements will be returned without review:
 - The deadline for proposal submissions is not later than 5:00 PM local time on December 7, 2009.
 - Proposals must be submitted as unsolicited proposals and directed to the IDR program (Program Element 7951) in the CBET, CMMI, or ECCS Divisions.
 - Proposals must have a proposal title that begins with "IDR: "
 - Proposals must explicitly address the interdisciplinary nature of the proposed research in a separate paragraph within the one-page Project Summary.
 - Proposals must explicitly address both Intellectual Merit and Broader Impacts and conform with all other requirements of the NSF Grant Proposal Guide (Document #NSF 09-29).
- IDR proposals should be prepared so that reviewers from any of the different fields to which the proposal relates can appreciate the intellectual merit, transformative nature, and broader impact of the interdisciplinary research proposed.

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=503439&WT.mc_id=USNSF_25

Deadline: December 7, 2009

PSYCHOLOGY

BEHAVIORAL AND COGNITIVE SCIENCES

The Social Psychology Program at NSF supports basic research on human social behavior, including cultural differences and development over the life span. Among the many research topics supported are: attitude formation and change, social cognition, personality processes, interpersonal relations and group processes, the self, emotion, social comparison and social influence, and the psychophysiological and neurophysiological bases of social behavior.

The scientific merit of a proposal depends on four important factors: (1) The problems investigated must be theoretically grounded. (2) The research should be based on empirical observation or be subject to empirical validation. (3) The research design must be appropriate to the questions asked. (4) The proposed research must advance basic understanding of social behavior.

http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5712

Deadline: January 15, 2010

SCIENCE, TECHNOLOGY, ENGINEERING, MATHEMATICS

COMPUTATIONAL MATERIALS SCIENCE NETWORK PROGRAM

In FY 2010, the Theoretical Condensed Matter Physics program of the U.S. Department of Energy, Basic Energy Sciences, Division of Materials



Sciences and Engineering, will provide support for starting new Computational Materials Science Network (CMSN) projects. The CMSN program supports fundamental research activities in theory and computation relevant to Materials Sciences. CMSN projects involve the creation of a Collaborative Research Team (CRT) of researchers who share a coherent scientific goal addressing a significant problem in the physics of materials. The main purpose of CMSN

funding is to provide CRT members appropriate resources so that the team can coalesce into a larger whole and allow the team to come together to focus effectively on a challenging problem which requires a combination of skill-sets. One of the members of the CRT must serve as the lead principal investigator for the team.

CMSN teams are funded for three years. Awards may be up to \$320K per year. For multi-institution projects, the lead PI's home institution must serve as the central budget and reporting authority with sub-awards to other participants. Although CMSN projects are non-renewable, a CRT may reconstitute itself after three years for the purpose of addressing a new challenge. CMSN funds are intended to facilitate collaborative aspects of the team research effort and may be used to support shared junior researchers, travel between member institutions, holding team coordination meetings, or other appropriate activities that will enable the team to work together. CMSN funds cannot be used towards salaries of the PIs or other senior members of the team. Although experimentalists cannot be members of a CMSN team, they can serve in the role of advisors

http://www.er.doe.gov/bes/dms/Research_Programs/tcmp.htm#NEW_FUNDING_OPPORTUNITY

Deadline: November 2, 2009 (Preliminary Proposal)

Deadline: March 10, 2009 (invited proposals) via grants.gov

BUILDING ENGINEERED COMPLEX SYSTEMS

NSF welcomes proposals that address the grand challenges such as energy, climate change, health care, critical civil infrastructure, transportation systems, and national safety and security systems. Many natural, social, and engineered systems have been recognized to be complex systems, that is, systems characterized by their display of patterns of structure or behavior at one level of system organization that are diagnostic of interactions among parts of the system at other levels; the emergent behaviors or structures are not evident from considering only the system's separate components. For such systems the traditional reductionist approach to science and engineering fails to predict and explain the patterns and behaviors that emerge from the functioning of these systems. Many engineered systems fall into this category; unexpected failures and other consequences have been experienced as these systems function near the edge of their expected performance capacity (e.g., in power grids, traffic systems, critical civil infrastructures, materials, chemical industrial systems, manufacturing and service enterprises, and environmental systems). Although these unexpected behaviors can be undesirable, it has also been recognized that complex systems with their ability to display emergent behaviors are often resilient and robust, desirable features in engineered systems.

This solicitation supports innovative exploratory research and aims to provide "seed funding" for small teams of engineers and mathematical scientists to seek and develop the theoretical basis of complex systems that will result in formal methods for design and management of engineered complex systems. Teams, in which at least one of the members has demonstrated high expertise in engineering and another of whom has demonstrated high expertise in mathematics or statistics, are required. The goal here is to create a new modality of linking engineering and the mathematical sciences to develop potentially transformative paradigms in an area of significant promise.

http://www.nsf.gov/pubs/2009/nsf09610/nsf09610.htm?WT.mc_id=USNSF_25

Deadline: January 19, 2010