

FUNDING FORUM

AUGUST 2007

INSIDE THIS ISSUE:

MATH AND SCIENCE PARTNERSHIP AWARD 1

AGENCY HIGHLIGHT: EPA 2

FUNDING ANNOUNCEMENTS 3

DO YOU HAVE IRB APPROVAL? 4

SUBMITTED PROPOSALS 5

FUNDED GRANTS AND CONTRACTS 7

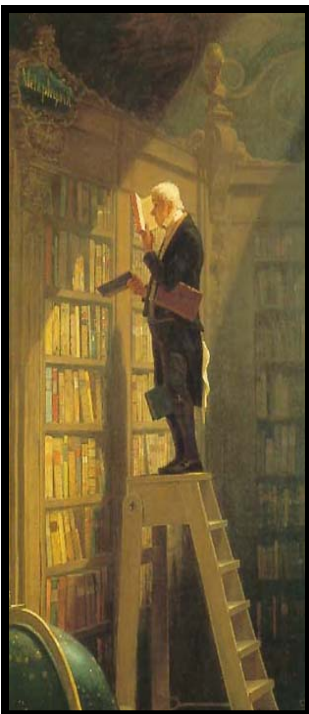
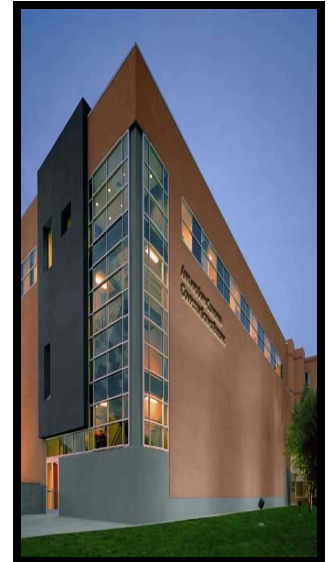
UPCOMING WORKSHOPS 8

OSP STAFF CONTACT INFORMATION 8

MATH AND SCIENCE PARTNERSHIP AWARD

In March of 2007 KSU Professors Tom Brown and Greg Rushton were awarded \$298,000 by the Georgia Department of Education to help Georgia's teachers accomplish the Department's Science Quality Core Curriculum goal of having students "Do Science, not View Science." Brown and Rushton's Math and Science Partnership Program, the *Northwest Georgia Science Education Partnership Project*, will focus its efforts on schools which are not making AYP (Adequate Yearly Progress). The overall goal of the project is to increase students' achievement in science by improving the content knowledge and skills of their teachers.

Brown and Rushton's experiences indicated that teachers may lack teaching strategies in physical science. Dr. Brown's reading of Thomas Friedman's [The World is Flat](#) alerted him to the need for improved content knowledge and instructional practices in science education. "Reading [The World is Flat](#) was an eye opener that helped me better understand the extent to which we are now competing economically in a global playing field. There is no doubt that our future success will require adaptable individuals who are fluent in science, mathematics, and technology." On a recent trip to China, Dr. Brown commented, "I was amazed to see how strongly they emphasize science and mathematics education. Since there are five times as many school age children in China as there are in the U.S., we may need to reevaluate our priorities in education." Dr. Rushton said his experience as a former high school teacher prompted his interest in improving teaching strategies. "I realized that the difficulties with content and pedagogy in my own practice were shared by many of my colleagues and that my students' learning suffered as a result of it. In my work with teachers here in Georgia, I have discovered a similar situation, and I wanted to help in any way I could." Dr. Brown agreed. "If we expect our elementary educators to teach science well, then we need to provide them with the training, support, and time that are needed to gain confidence and expertise in this area." Both professors believe that teachers are not receiving this crucial instruction in Georgia or in our country as a whole. "[Our] program will work with teachers 80 hours a year for two years," Dr. Rushton explained, "with the goal of improving their content knowledge and ability to teach science through inquiry. We do this through modeling authentic hands-on lessons that are aligned with the teachers' standards and provide the necessary



materials for the teachers to be able to enact them in their classrooms.” The program will reach 120 teachers in six northwest Georgia counties. Over a two-year period, the teachers will participate in eight 20-hour institutes designed to improve teacher content knowledge and confidence by providing them with interesting professional learning experiences and a supportive learning community. Dr. Brown and Dr. Rushton intend to provide teachers with differentiation and multiple assessment strategies that will improve science instruction and achievement among English language learners and special needs students.



Dr. Tom Brown

AGENCY HIGHLIGHT: U.S. ENVIRONMENTAL PROTECTION AGENCY

Since 1970, the Environmental Protection Agency (EPA) has worked to protect human health and the environment. In addition to funding research grants and contracts, the EPA develops and enforces regulations, performs environmental research, sponsors voluntary partnerships and programs, furthers environmental education, and publishes information.

Recently, 40 to 50 percent of the EPA’s budget has supported grants to states, non-profits, and educational institutions for research that will improve the scientific basis for decision making about environmental issues. Also supported are grants for environmental education.

Research interests of the EPA include the following:

- | | |
|----------------------|------------------------------------|
| particulate matter | global change |
| ozone | air toxics |
| ecological research | human health |
| drinking water | water quality |
| mercury | endocrine disruptors |
| safe food | safe pesticides |
| contaminated sites | resource conservation and recovery |
| pollution prevention | economic and decision sciences |

Like all federal agencies, the EPA lists competitive grant opportunities on the grants.gov website (www.grants.gov). These opportunities are also listed at http://www.epa.gov/ogd/competition/open_awards.htm. Information on both undergraduate and graduate fellowships funded by EPA is at www.epa.gov/ncer/fellow.

“Research is what I’m doing when I don’t know what I’m doing.”

—Werner von Braun



Dr. Greg Rushton

“Inspiration usually comes during work rather than before it.”

—Madeleine L’Engle

FUNDING ANNOUNCEMENTS

Program: ACLS Fellowships

Agency: American Council of Learned Societies

Next Deadline: Oct 03, 2007 (tentative)

Supports research in disciplines of the humanities and humanities-related social sciences. Appropriate fields of specialization include but are not limited to anthropology, archaeology, art history, economics, geography, history, languages and literatures, law, linguistics, musicology, philosophy, political science, psychology, religion, and sociology. Stipends are set at three levels based on academic rank: up to \$30,000 for Assistant Professor and career equivalent; up to \$40,000 for Associate Professor; and up to \$60,000 for Full Professor.

Contact: Cindy Mueller (ext. 136), Manager Office of Fellowships and Grants

633 Third Ave.

New York, NY 10017

Phone: 212-697-1505

Program: Franklin Research Grant

Agency: American Philosophical Society

Next Deadline: Oct 01, 2007

Supports travel to libraries and archives for research purposes, the purchase of microfilm, the cost of photocopies or equivalent research materials, and the costs associated with fieldwork and laboratory research expenses. Applicants must hold a doctorate or have published work of doctoral character and quality. Awards are up to \$6,000 each. Deadlines: 10/1/07 and 12/3/07.

See <http://www.amphilsoc.org/grants/franklin.htm> for details.

Contact: Linda Musumeci, Research Administrator

104 S. Fifth St.

Philadelphia, PA 19106-3386

Phone: 215-440-3429

E-mail: lmusumeci@amphilsoc.org

Program: Academic Research Enhancement Award (AREA)

Agency: National Institutes of Health

Next Deadline: Oct 25, 2007

Provides renewable awards (R15) up to \$150,000 over 3 years to support meritorious research projects in the biomedical and behavioral sciences conducted by students and faculty in health professional schools, and other academic components that have not been major recipients of NIH research grant funds. Grants designed to strengthen the research environment of institutions and expose students to research. Can include salaries of PI and research personnel, supplies, equipment, and travel. Other deadlines are February 25 and June 25. PA expires 1/3/09. See <http://grants.nih.gov/grants/funding/area.htm> for detailed information. See http://grants.nih.gov/grants/funding/area_contacts.htm for list of current program contacts.

Check out the OSP website <http://www.kennesaw.edu/osp> to find much of the information needed to apply for external funding. The new **Office of Sponsored Programs Handbook** has just been added to the site.

Research is to see what everybody else has seen and to think what nobody else has thought.. --Albert Szent-Gyorgy

FUNDING ANNOUNCEMENTS (CONT.)

Program: Sociology Program

Agency: National Science Foundation

Next Deadline: Oct 15, 2007 (target date)

Supports basic research on human social organization and processes of individual and institutional change. Encourages theoretically- focused empirical investigations to improve explanation of fundamental social processes. Includes research on organizations/organizational behavior, population dynamics, social movements, social groups, labor force participation, stratification and mobility, family, social networks, socialization, gender roles. Regular research due 8/15 and 1/15; See http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=5369 for details.

Contact: Patricia White, Program Director

Social and Economic Sciences (SES)

4201 Wilson Boulevard, Suite 995

Arlington, VA 22230

703-292-8762

E-mail: pwhite@nsf.gov

Program: Grants in Arts and Culture, Environment, Health, and Jewish Life

Agency: Nathan Cummings Foundation

Deadlines: January 14 and August 15.

Core programs: arts and culture, the environment, health, interprogram initiatives for social and economic justice, and the Jewish life and values/contemplative practice programs. Grants approved during two board meetings a year. Awards up to \$780,000. See <http://www.nathancummings.org/programs/index.html> for details.

Contact: Nathan Cummings Foundation

475 Tenth Avenue, Fourteenth Floor

New York, NY 10018

212-787-7300

Email: info@nathancummings.org



DO YOU HAVE INSTITUTIONAL REVIEW BOARD APPROVAL FOR YOUR RESEARCH WITH HUMAN SUBJECTS?

The KSU Institutional Review Board (IRB) is a committee established to protect the rights and welfare of all human subjects who volunteer to participate in research studies conducted under the auspices of the university. All research involving human subjects must be reviewed and conducted according to university, state, and federal regulations. Researchers worldwide are subject to IRB regulations, and all universities and research institutions have IRBs.

The KSU IRB must review any research activity that involves using human subjects as research participants to ensure that potential research-related risks are minimized. Any physical, social, emotional, or financial risks must be fully disclosed to the volunteers so they can make an informed decision to participate in the study. This includes preliminary and full studies; research conducted by students, staff, or faculty; studies funded with university or external funds; and research that involves minimal risk. The collection and/or analysis of data from human beings intended for publication, presentation, or other dissemination to an external audience is also covered by IRB regulations.



Research projects with human subjects may be conducted only after complete documentation has been submitted to and approved by the IRB.

In addition, prior to conducting research, each investigator, including supervising faculty, MUST complete the course for certification at <http://cme.cancer.gov/>. Certification must be renewed every three years.

For complete information on submitting your research project to the IRB, please go to the website at www.kennesaw.edu/irb/ or contact Dr. Ginny Zhan, IRB Chair, at gzhan@kennesaw.edu or x6679 or Paula Strange, IRB Administrator, at pstrange@kennesaw.edu or x2268.

Dr. Ginny Zhan

PROPOSALS SUBMITTED APRIL–JUNE 2007

Division	Sponsor	Proposal Title	Amount
Administration			
Berggren, Jeremy	National Education Association Foundation	Study Group for the Arts, Engagement, and Social Change	\$5,000.00
Laverdiere, Karen	Georgia Student Financial Commission	Peer Financial Counseling	\$5,000.00
Roebuck, Deborah	Northside Hospital-Cherokee, Inc.	Northside Ethical Leadership Certificate Program	\$47,500.00
Division Subtotal			\$57,500.00
Bagwell College of Education			
Stockdale, Susan	DeKalb County School System	DeKalb Co. Math/Science Partnership Grant	\$27,358.00
Stockdale, Susan	DeKalb County School System	DeKalb Co. Math/Science Partnership Grant	\$53,276.00
Wallace, Faith	University System of Georgia Reading Consortium	Methods and Materials for Reading in the Middle Grade Mathematics Classroom	\$1,000.00
Division Subtotal			\$81,634.00
Coles College of Business			
Jones, Lydia	University of Georgia	Small Business Development Center	\$196,219.00
True, Sheb	US Peace Corps	Peace Corps Fellows/USA Program	\$0.00
Division Subtotal			\$196,219.00
College of Humanities and Social Sciences			
Burruss Institute	Bartow County Government	Bartow County II	\$10,000.00
Burruss Institute	Georgia Department of Community Affairs	Every Georgian Counts Sampling Methodology for Count of Homeless in Georgia	\$51,000.00
Burruss Institute	Pew Foundation	Proposal to Pew Center on State/JEHT "Request For Proposals: New Diagnostics and New Solutions"	\$212,981.56
Burruss Institute	The Council on Alcohol and Drugs, Inc.	TCAD United Way	\$4,400.00
LeBaron, Alan	Governor's Office of Highway Safety	DUI Education for Hispanics in Cobb and Cherokee Counties	\$51,800.00
Division Subtotal			\$330,181.56
College of Science and Mathematics			
Adams, Lisa	Ocean Fund Royal Caribbean Cruises Ltd.	A Day In The Life Of An Estuary	\$47,963.64
Adams, Lisa	University of Georgia	2007 COSEE SE Ocean Education Leadership Institute	\$2,000.00
Albrecht, Eric	National Science Foundation (NSF)	Assessing Repetitive Biological Concepts Using Hierarchical Clustering	\$123,346.00
Burke, Meghan	National Science Foundation (NSF)	UBM-Institutional: Early Training for Undergraduates in Mathematical Biology	\$988,705.00

PROPOSALS SUBMITTED APRIL–JUNE 2007 (CONT.)

Ensign, William	Paulding County Water	Watershed Assessment-Fish Community	\$4,085.07
Lewis, Scott	POGIL	Implementing and Evaluating POGIL in High School Chemistry	\$3,120.00
Negash, Solomon	Georgia Tech	Summer PARC Adventure	\$4,999.00
Negash, Solomon	U. S. Department of Agriculture (USDA)	Kennesaw State University's Rural Programming, Animation, Robotics, and Computing (Rural PARC) Program	\$218,813.00
Reese, Scott	National Science Foundation (NSF)	Vertebrate Anatomy Multimedia Project: Integrating Resources for Evolution (VAMPIRE)	\$149,983.00
Shaw, Janet	National Science Foundation (NSF)	Chemistry at the Crossroads: Development of Inquiry Based Bioinorganic Laboratories with Intradisciplinary Ties	\$149,562.00
Xie, Ying	Computer Process Controls, Inc.	CPC Pattern Recognition	\$18,000.00
Division Subtotal			\$1,710,576.71
WellStar College of Health and Human Services			
Blake, Barbara	Department of Human Resources (DHR)	Utilization Focused Assessment and Training of CSA and CP	\$99,841.45
Collins, Mitchell	US Department of Education	Obesity Dilemma: A Cross-Cultural Ecologically-Based Model	\$204,053.00
Grable, Sherry	Governors Office of Highway Safety	Young Adult Program	\$17,900.00
Johnson, Ben	Department of State	Collaborative Project for the Development of Sport and Recreation Programs for Girls, Boys And Young Women in Egypt	\$134,975.00
Johnson, Ben	Department of State	Collaborative Project for the Development of Sport and Recreation Programs for Girls, Boys, And Young Adults with Disabilities in Egypt	\$118,801.00
Johnson, Ben	US Department of Education	Inclusive Recreation, Physical Activity and Sport Programming Targeting Youth with Physical Disabilities in Select Georgia Communities	\$303,857.00
Kirk, Alan	Department of Human Resources (DHR)	KSU Child Welfare Scholars Program	\$344,822.00
Long, Janice	National Institutes of Health (NIH)	IDEAL Worksite TIPS: Type 2 Intervention and Prevention Study	\$422,675.00
Mitchell, David	National Institutes of Health (NIH)	Forgiveness in Midlife and Older Women at Risk for Cardiovascular Disease	\$524,923.00
Nelms, Tommie	Health Resources and Services Administration (HRSA)	Kennesaw State University Nurse Faculty Loan Program	\$32,604.00
Division Subtotal			\$2,204,451.45
TOTAL REQUESTED			\$4,580,562.72

Research is formalized curiosity. It is poking and prying with a purpose. It is a seeking that he who wishes may know the cosmic secrets of the world and that they dwell therein.

—Zora Neale Hurston

PROPOSALS FUNDED APRIL–JUNE 2007

Division	Sponsor	Project Title	Amount
Administration			
Laverdiere, Karen	Georgia Student Financial Commission	Peer Financial Counseling	\$5,000.00
Roebuck, Deborah	Northside Hospital-Cherokee, Inc.	Northside Ethical Leadership Certificate Program	\$47,500.00
		Division Subtotal	\$52,500.00
Bagwell College of Education			
Stockdale, Susan	DeKalb County School System	DeKalb Co. Math/Science Partnership Grant	\$27,358.00
Wallace, Faith	University System of Georgia Reading	Methods and Materials for Reading in the Middle Grade Mathematics Classroom	\$1,000.00
		Division Subtotal	\$28,358.00
Coles College of Business			
Jones, Lydia	University of Georgia	Small Business Development Center	\$196,219.00
True, Sheb	US Peace Corps	Peace Corps Fellows/USA Program	\$0.00
		Division Subtotal	\$196,219.00
College of Humanities and Social Sciences			
Boeri, Miriam	National Institutes of Health (NIH)	Methamphetamine Use in the Suburbs: An Exploratory Study	\$180,900.00
Burruss Institute	Bartow County Government	Bartow County II	\$10,000.00
Burruss Institute	Georgia Department of Community Affairs	Every Georgian Counts Sampling Methodology for Count of Homeless in Georgia	\$51,000.00
Burruss Institute	The Council on Alcohol and Drugs, Inc.	TCAD United Way	\$4,400.00
Kirby, Dawn Latta	Georgia Council For The Arts	Teacher Professional Learning Grant	\$0.00
		Division Subtotal	\$246,300.00
College of Science and Mathematics			
Ensign, William	Paulding County Water System	Watershed Assessment-Fish Community Monitoring	\$4,085.07
King, Merle	Georgia Secretary of State	Center for Election Systems	\$735,080.00
Negash, Solomon	Georgia Tech	Summer PARC Adventure	\$4,999.00
Williams, Brit	Georgia Secretary of State	Georgia Election Division	\$50,000.00
Xie, Ying	Computer Process Controls, Inc.	CPC Pattern Recognition	\$18,000.00
		Division Subtotal	\$812,164.07
WellStar College of Health and Human Services			
Dorman, Genie	Health Resources and Services Administration (HRSA)	Support for the Development of Advanced Practice Nurses	\$43,636.00
Johnson, Ben	Department of State	Collaborative Project for the Development of Sport and Recreation Programs for Girls, Boys, And Young Adults with Disabilities in Egypt	\$118,801.00
		Division Subtotal	\$162,437.00
		TOTAL AWARDED	\$1,497,978.07

Watch for OSP workshops on these topics during the academic year:

- **National Science Foundation:** OSP will present basic information about applying to NSF. Topics include finding the right program, communicating with program officers, and what to expect throughout the submission process. This workshop is appropriate for researchers in all scientific disciplines, including the social sciences.
- **National Endowment for the Humanities:** OSP and the College of Humanities and Social Sciences will present a series of short workshops on applying for NEH funding. As the culmination of the series, an NEH program officer has been invited to present information on competing for grants in the humanities. Contact Debbie Smith, dsmit228@kennesaw.edu, if you are interested in attending.
- **Applications to Private Non-Profits:** Applying to private non-profits is different from applying to state and federal sources. Often applications to private non-profits require the faculty member to work with both OSP and with the Office of Advancement. This workshop will demystify the process.
- **Grantseeking in the Arts:** This workshop will cover trending information in the arts, as well as federal, state, and private opportunities for which KSU is eligible.
- **NIH, Academic Research Enhancement Awards:** AREA grants support small research projects in the biomedical and behavioral sciences at institutions that have not been major NIH recipients. This funding mechanism is highly appropriate for KSU. Attend this workshop to learn how to apply.



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