

Spirit of INNOVATION

Research, Creativity and Commercialization News

OFFICE OF RESEARCH ADMINISTRATION NEWSLETTER August 2007 (Volume VII, No. 2)

The **Office of Research Administration** supports and advocates research and technology transfer by faculty, graduate students and staff. The ORA provides services in conjunction with external and internal sources of funding for research, along with services related to commercializing discoveries through technology transfer. The goal of this newsletter is to inform the campus community of grants received, to highlight the accomplishments of our faculty, graduate students and staff, and to share with you a calendar of important events and deadlines. Please direct any comments or questions regarding the newsletter to Tamara Wilgers (wilgerst@umsl.edu).

RECENT AWARDS

June 2007 EXTERNAL FUNDING Sources	
Corporation	\$20,000
Federal	\$22,300
Foundation	\$11,500
Government – Other	\$35,783
MO Local Government	\$205,604
Other University	\$105,760
State of Missouri	\$452,018
TOTAL	\$852,965

June 2007 EXTERNAL FUNDING Purposes	
Instruction	\$452,018
Other Sponsored Activity	\$93,783
Research	\$307,164
TOTAL	\$852,965

EXTERNALLY FUNDED AWARDS, June 2007

Marvin Berkowitz, Educational Psychology, awarded \$35,783 for "Leadership Training Series in Character Education in the Floresville (TX) Independent School District" by the Floresville Independent School District.

Godfrey Bourne and **Andrea Loayza**, Biology, awarded \$11,460 for "DISSERTATION RESEARCH: Closing the seed dispersal loop for *Guettarda viburnoides*: Connecting patterns of avian seed dispersal with population growth in a Neotropical savanna" by the National Science Foundation.

John Cattanaach, Performing Arts Operations, awarded \$3,500 for "St. Louis Symphony/ Performing Arts Center Fusion Series" by the Regional Arts Commission of St. Louis.

Jerry Dunn, Child Advocacy C Touhill enter, awarded \$7,500 for "Follow Up Evaluation Project-Continued Funding" by the Norman J. Stupp Foundation.

Joel Glassman, Center for International Studies, awarded \$5,500 for "The International Performing Arts Series" by the Regional Arts Commission of St. Louis.

Joel Glassman, Center for International Studies, awarded \$4,000 for "Conference on Entrepreneurship in China, Japan and the USA" by the Japan Foundation.

Wenjie He and **Charles Chui**, Mathematics & Computer Science, awarded \$105,760 for "Irregular representations of terrain for navigation and mobility applications" by the University of North Carolina Chapel Hill.

Deborah Henry, Continuing Education & Outreach, awarded \$14,000 for "Annual St. Louis Storytelling Festival" by the Regional Arts Commission of St. Louis.

Lois Pierce, Social Work, awarded \$156,112 for "MSW Graduate Training for Public Child Welfare 2007-08" by the Missouri Division of Family Services.

Lois Pierce, Social Work, awarded \$216,706 for "IV-E Child Welfare Training BSW 2007-2008" by the Missouri Division of Family Services.

Lois Pierce, Social Work, awarded \$79,200 for "IV-E Child Welfare Training BSW 2007-2008 Participant Costs" by the Missouri Division of Family Services.

Peter Stevens and **Monica Carlsen**, Biology, awarded \$10,840 for "DISSERTATION RESEARCH: Understanding the origin and rapid diversification of the genus Anthurium (Araceae) integrating molecular phylogenetics, morphology and anatomy" by the National Science Foundation.

Terry Suhre, Art & Art History, awarded \$10,000 for "Gallery 210 Exhibition Season" by the Regional Arts Commission of St. Louis.

Diane H. Touliatos, Center for the Humanities, awarded \$4,000 for "The Monday Noon Cultural Series and Poetry and Short Story Reading Series" by the Regional Arts Commission of St. Louis.

Mark Tranel, Public Policy Research Centers, awarded \$151,604 for "Evaluation of the Transitions to Work for Youth" by the St. Louis Agency on Training and Employment.

Mary Troy, English, awarded \$3,500 for "Natural Bridge" by the Regional Arts Commission of St. Louis.

Mel Watkin, Public Policy Research Centers, awarded \$7,500 for "Photography Project and Point-of-View Exhibition Series" by the Regional Arts Commission of St. Louis.

Patricia Wente, KWMU FM Radio, awarded \$6,000 for "Cityscape" by the Regional Arts Commission of St. Louis.

Keith Womer, Dean College of Business, awarded \$20,000 for "Meta Structured Optimization" by the Opttek Systems Incorporated.

Total Awarded: \$852,965

FUNDING OPPORTUNITIES

Opportunities listed are a sampling only. For additional opportunities, visit Grants.gov (<http://www.grants.gov>), Grant Advisor Plus (<http://www.grantadvisor.com/tgaplus/>), InfoEd (http://www.infoed.org/new_spin/spinmain.asp) and the RFP Bulletin of the [Foundation Center](#) (<http://www.fdncenter.org/pnd/rfp/index.jhtml>), or contact Tamara Wilgers (wilgerst@umsl.edu) for a customized database search.

FOR HELP GETTING SET UP TO RECEIVE CUSTOM EMAIL ALERTS FOR FEDERAL GRANT OPPORTUNITIES, CONTACT BRENDA STUTTE AT 516-5897 OR STUTTE@UMSL.EDU.

EXTERNAL FUNDING OPPORTUNITIES

Agency for International Development (USAID)

- Kenya USAID-Nairobi, USAID NUTRITION AND HIV PROGRAM
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=14903>
- Russia USAID-Moscow, Strategic Health Partnerships Initiative
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=14980>
- Russia USAID-Moscow, Youth Development Competencies Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=14750>

WHEN PREPARING A GRANT PROPOSAL, YOU MUST SUBMIT YOUR BUDGET TO GINNY SCHODROSKI AT LEAST 2 WEEKS BEFORE THE PROPOSAL SUBMISSION DEADLINE. ANY EXCEPTION MUST BE APPROVED BY VICE PROVOST NASSER ARSHADI.
ginny@umsl.edu or x.5284

Department of Defense (DOD)

Defense Advanced Research Projects Agency (DARPA)

- System F-6 Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=14870>

Department of the Army

- FY 2008 Defense University Research Instrumentation Program (DURIP) - For Proposal Submission to the Army Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=14754>
- FY 2008 Multidisciplinary University Research Initiative (MURI) - For Proposal Submission to the Army <http://www.grants.gov/search/search.do?mode=VIEW&oppld=14648>

Office of Naval Research

- Defense University Research Instrumentation Program (DURIP) - for Proposal Submission to Navy Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=14751>
- Counter Improvised Explosive Device (IED) Basic Research Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=14588>

Department of Education (ED)

- Postsecondary Achievement and Institutional Pilot Program CFDA 84.116C <http://www.grants.gov/search/search.do?mode=VIEW&oppld=15006>
- Ready for College: Adult Education Transitions Program CFDA 84.191A Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=14981>

Department of Energy (DOE)

- Manufacturing Research and Development for Hydrogen and Fuel Cell Systems Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=14876>
- Advanced Detector Research Program Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=14902>

Department of Health and Human Services (HHS)

Centers for Disease Control and Prevention (CDC)

- Support for Program Implementation through U.S.-Based Universities in the Federal Democratic Republic of Ethiopia under PEPFAR Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=15009>

Food & Drug Administration (FDA)

- Clinical Studies of Safety and Effectiveness of Orphan Products Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=14721>

National Institutes of Health (NIH)

- A Data Analysis Center for the Encyclopedia of DNA Elements (ENCODE) Project (U01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=14855>
- Computational Tools for Research in Neuroscience, Behavioral Science and Mental Health: STTR [R41/R42] Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=14987>; SBIR [R43/R44] Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=14988>
- Developmental Mechanisms of Human Structural Birth Defects (P01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=14983>
- Health Promotion Among Racial and Ethnic Minority Males: (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=14985>; (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=14986>
- Health Research with Diverse Populations (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=14877>
- International Research Ethics Education and Curriculum Development Award (R25) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=14969>
- Lymphatic Biology in Health and Disease (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=14979>
- New Interventions for Menopausal Symptoms (U01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=14853>
- U.S.-India Bilateral Collaborative Research Partnerships (CRP) on the Prevention of HIV/AIDS (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=14869>

Department of Labor (DOL)

- National Technical Assistance and Research Center to Promote Leadership for Employment and Economic Independence for Adults With Disabilities; Solicitation for Cooperative Agreement Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=14975>

Environmental Protection Agency (EPA)

- Analysis of Innovative Feedstock Sources and Production Technologies for Renewable Fuels Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=14970>

- CLIMATE MODELING WORKSHOPS AND STUDY Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=14984>
- Cooperative Agreement for Water Quality Standards (WQS) Forum Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=14709>
- Ecology and Oceanography of Harmful Algal Blooms
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=14735>
- Midwest Clean Diesel Initiative Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=14862>
- Regional Environmental Priority Projects (REPP)
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=14847>
- Strategic Agricultural Initiative Cooperative Agreement Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=14875>

National Aeronautics and Space Administration (NASA)

- ROSES 2007: Astrobiology: Exobiology and Evolutionary Biology Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=14859>
- ROSES 2007: Lunar Reconnaissance Orbiter Participating Scientists Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=14589>
- ROSES 2007: Mars Data Analysis Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=14982>

National Endowment for the Arts (NEA)

- New Play Development Project Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=14581>

National Science Foundation (NSF)

- Earth Sciences: Instrumentation and Facilities
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12956>
- Emerging Frontiers in Research and Innovation Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=14993>
- Engineering Research Centers (ERC) <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11486>
- Graduate Research Fellowship Program
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=14880>
- Information and Intelligent Systems: Advancing Human-Centered Computing, Information Integration and Informatics, and Robust Intelligence Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=14972>
- Joint DMS/NIGMS Initiative to Support Research in the Area of Mathematical Biology
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10967>
- Research on Gender in Science and Engineering FY 2008 Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=14973>
- RIDGE 2000 Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=14715>

NEW ANNOUNCEMENTS: FOUNDATIONS & OTHER; DEADLINE MEMO

<http://www.grantadvisor.com/tgaplus/order.pdf>

GRANT SUBMISSION POLICY

PeopleSoft Signature Routing Sheet (PSRS)

Must be delivered to the Office of Research BEFORE the grant will be submitted. Applies to any grant being submitted to any agency. Must include ALL signatures (all PIs Co-PIs, Dept. Chairs, Deans of each person, dept, and/or school who has time/resources committed through direct costs or cost sharing/match).

Budgets: SUBMIT YOUR BUDGET TO GINNY SCHODROSKI TWO WEEKS PRIOR TO

SUBMISSION DEADLINE. Large or complex budgets should be finalized a week before submission so that the PSRS can be prepared and routed for ALL required signatures. Proposal review time must be allowed before asking someone to commit their unit.

Note: If you are going to be away from the University at the time of submission, you must arrange before leaving to sign the PSRS signature page.

Questions? Contact Ginny Schodroski at 516-5284 or ginny@umsl.edu.

RESEARCH AND COMMERCIALIZATION NEWS

- UMSL Launches "IT Enterprises"
- Senate Panel Approves Patent Reform Bill



Technology Innovations + High Performance Computing at UMSL

UMSL Launches "IT Enterprises"

The University of Missouri-St. Louis has purchased a 56,000 square-foot facility to house IT start-up companies and a high performance computing (HPC) center. The building, acquired in June for \$2.7 million, sits across Highway 70 from the Lambert International Airport and formerly housed Incyte Genomics, Inc. (now Incyte Corporation), a Wilmington, DE, incorporated pharmaceutical company.

Originally constructed as a data center for Magna Bank in 1991, the property was renovated extensively by Incyte in 2000 to include wet labs furnished with benches, sinks and hoods.

IT Enterprises will serve as a catalyst for several university objectives, including research, technology transfer and economic development. The facility will provide a cross-discipline research center of excellence serving all academic and industry researchers requiring high-performance computing; a springboard for major external research funding, technology transfer activity and economic development; and an economic development engine encouraging new start-up companies in this high-growth industry, which in turn will provide high paying job opportunities for UMSL graduates and others in the field.

This facility will not only provide traditional services to tenant companies, such as common conference rooms and a shared receptionist, but it will offer a state-of-the-art research center with high performance computing capabilities. The HPC Center will conduct cutting-edge R&D in collaboration with tenant companies and outside industry for the fast-growing IT sector. According to a report by U.S. Bureau of Labor Statistics, "Information Technology (IT) is the fastest growing sector in the economy with a 68% increase in output growth rate projected between 2002 and 2012."

Beyond serving the IT sector, the IT Enterprises will also accommodate life sciences companies that are in need of complex bioinformatics computational capacity and expertise.

The operation will carry significant educational benefits to faculty and students interested in academic research through hands-on, business problem-solving opportunities. In addition, the enterprise will serve as a testing ground for translational research in interdisciplinary centers on campus such as Center for Nanoscience and Center for Neurodynamics.

The facility could generate several hundred jobs at full capacity.

IT Enterprises is now available for prospective tenants to tour, and individual suites will be built out as tenants are signed up. The HPC Center will be up and running by December 2007. For more information, email Manager@ITenterprises.org. ●

Read more about IT Enterprises:

"UMSL Facility Helps IT Hopefuls" by Rachel Melcer, St. Louis Post Dispatch, July 06, 2007:
<http://www.stltoday.com/stltoday/business/stories.nsf/manufacturingtechnology/story/F0F4E48246D4FF96862573100007D78C?OpenDocument>

Senate Panel Approves Patent Reform Bill

The bill's opponents include pharmaceutical, biotech and manufacturing companies, as well as technology companies that rely on licensing patents.

July 19, 2007

By CHRISTOPHER S. RUGABER

Associated Press/Forbes

The Senate Judiciary Committee approved a sweeping patent reform bill (July 19) that seeks to improve patent quality and reduce the number of costly infringement lawsuits.

The committee's move comes after the House Judiciary panel cleared a similar bill (July 18). The bills will now need to be considered by the full House and Senate.

Members of Congress and industry groups say the legislation makes the most extensive changes to patent law in more than 50 years. ●

Read entire article online: <http://www.forbes.com/feeds/ap/2007/07/19/ap3933882.html>

--end--