

Spirit of INNOVATION

Research, Creativity and Commercialization News

OFFICE OF RESEARCH ADMINISTRATION NEWSLETTER February 2007 (Volume VI, No. 8)

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

EXTERNALLY FUNDED AWARDS, December 2006

December 2006 External Funding Where it Came From	
Association	\$11,000
Corporation	\$0
Federal	\$683,612
MO Local Government	\$52,046
Other University	\$0
State of Missouri	\$0
TOTAL	\$746,658

December 2006 External Funding Where it's Going	
Research	\$343,496
Other Sponsored Activity	\$31,000
Instruction	\$0
Student Financial Aid	\$372,162
TOTAL	\$746,658

Charles Chui, Mathematics & Computer Science, awarded \$84,950 for "Wavelet approach to data analysis, manipulation, compression, and communication" by the Army Research Office.

Jerry Dunn, Child Advocacy Center, awarded \$10,000 for "Expanding Forensic Interviewing for Children's Advocacy Services" by the National Children's Alliance.

Anthony Georges, Student Financial Aid, awarded \$200,659 for "National Science and Mathematics Access to Retain Talent (SMART)" by the U.S. Department of Education Student Aid.

Anthony Georges, Student Financial Aid, awarded \$171,503 for "Academic Competitiveness Grant (ACG)" by the US Department of Education Student Aid.

Beth M. Huebner, Criminology & Criminal Justice, awarded \$32,046 for "PSN Research Partner Project: GANGS" by the City of St. Louis Missouri Metropolitan Police Department.

Elizabeth Pawloski, Human Resources, awarded \$1,000 for "Service Learning Grant" by the Youth Service America.

Marc Spingola, Biology, awarded \$226,500 for "Regulation of mRNA Splicing by Mer1p" by the National Institutes of Health.

Mark Tranel, Public Policy Research Centers, awarded \$20,000 for "District Information Management Services Project" by the Jefferson Solid Waste Management District.

Total Awarded: \$746,658

QUARTERLY EXTERNAL FUNDING REPORT, Q2 FY2007

CSD	Department	No. of Awards	Amount Awarded (\$)
	Center for International Studies	1.00	10,000
	Center for International Studies	1.00	10,000
	College of Arts & Sciences	16.50	2,213,870
	Anthropology	0.20	3,200
	Biology	5.00	386,276
	Chemistry and Biochemistry	2.00	564,124
	Child Advocacy Center	4.00	305,411
	Criminology & Criminal Justice	1.00	32,046
	History	1.20	735,628
	Mathematics & Computer Science	1.10	148,455
	Psychology	1.00	13,730
	Social Work	1.00	25,000
	College of Education	10.90	6,038,027
	Dean College of Education	2.00	351,606
	Educational Leadership & Policy	4.05	1,425,057
	Educational Psychology	2.00	28,310
	Teaching & Learning	2.35	4,199,553
	University Child Development	0.50	33,501
	College of Fine Arts & Communication	1.00	9,906
	Art & Art History	1.00	9,906
	Extension Division	2.00	23,246
	Continuing Education & Outreach	2.00	23,246
	Human Resources	1.00	1,000
	Human Resources	1.00	1,000
	KWMU Radio	1.00	2,800
	KWMU FM Radio	1.00	2,800
	Public Policy Research Centers	6.60	147,456
	Public Policy Research Centers	6.60	147,456
	Vice Provost Student Affairs	3.00	374,075
	Student Financial Aid	2.00	372,162
	Student Support Services	1.00	1,913
	VP Research	1.00	286,871
	Office of Research Administration	1.00	286,871
	Grand Total	44.00	9,107,252

FUNDING OPPORTUNITIES

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

We're Thinking About Streamlining this Page!

WE WANT TO PROVIDE THE MOST VALUABLE, ACCESSIBLE INFORMATION, BUT WE NEED YOUR INPUT.

PLEASE LET US KNOW HOW USEFUL THE "FUNDING OPPORTUNITIES" PAGE IS FOR YOU BY COMPLETING THE ONLINE SURVEY AT

http://www.umsl.edu/services/ora/about/ORAnews_0207_FundingOpps.html

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

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

FEATURED OPPORTUNITY

Travel Awards to National Postdoctoral Association Annual Meeting

The National Postdoctoral Association (NPA) has received a grant from the Alfred P. Sloan Foundation to fund a new mentorship program to foster the formation and maintenance of postdoctoral offices or associations at national research institutions. The program, entitled the Postdoc Leadership Mentoring Project, will bring together leaders in the postdoctoral community with individuals and institutions interested in improving training for postdoctoral scholars at their home institutions. These leaders will serve as mentors to those embarking on new initiatives to enhance the postdoctoral experience.

To promote this mentoring relationship, the project will offer up to 45 travel awards to the NPA Annual Meeting taking place in Berkeley, Calif., from March 30 to April 1, 2007. The awards will cover registration, lodging, conference meals and travel to the meeting for both mentors and mentees selected for the program.

At the Annual Meeting, recipients of the awards will participate in a special session on establishing postdoc offices and/or associations and will connect with their mentors/mentees. Following the meeting, mentors and mentees will take part in monthly teleconferences to assess progress. Finally, award recipients may be eligible for site visits to their research institutions by a team of experts to further the growth of their new postdoc organizations.

Experienced postdoc office or association leaders as well as faculty, administrators, and individual postdocs interested in forming or reviving an organization are encouraged to apply.

For more information about the NPA Postdoc Leadership Mentoring Project, visit <http://www.nationalpostdoc.org>.

DEADLINE FOR TRAVEL AWARD APPLICATIONS: February 9, 2007

INTERNAL FUNDING OPPORTUNITIES

UM-St. Louis Research Award Proposals

DUE: Monday, Feb. 12, 2007, by 5 p.m.

341 Woods Hall - UMSL Campus

More information: http://www.umsl.edu/services/ora/docs/FY07_Research_Award_guide.doc or contact Shannon Nichols at nicholss@umsl.edu or 516-5899

University of Missouri Research Board Proposals

>>> **DUE: Monday, March 15, 2007 by 5 p.m.** <<<

341 Woods Hall - UMSL Campus

More information: <http://www.umsystem.edu/ums/departments/aa/research/>,
or contact Shannon Nichols at nicholss@umsl.edu or 516-5899

UM-St. Louis Small Grants

DUE: Monday, March 5, 2007, by 5 p.m.

341 Woods Hall - UMSL Campus

More information: http://www.umsl.edu/services/ora/docs/FY07_Research_Award_guide.doc
or contact Shannon Nichols at nicholss@umsl.edu or 516-5899

EXTERNAL FUNDING OPPORTUNITIES

Agency for International Development (USAID)

- Benin USAID-Cotonou, Girls' Education and Community Participation Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12364>
- Dry Grain Pulses Collaborative Research Support Program Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12279>
- Egypt USAID-Cairo, DEMOCRACY AND GOVERNANCE ANNUAL PROGRAM STATEMENT (APS) FOR FY 07 (October 1, 2006 to September 30, 2007) INCLUDING THE GOOD GOVERNANCE IN EDUCATION (GOODGIE) PROGRAM Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12276>

Department of Agriculture (USDA)

CSREES

- National Integrated Water Quality Program Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12127>
- Regional Integrated Pest Management Centers Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12378>

Foreign Agricultural Service

- Quality Samples 2007 Availability of Funds Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12366>
- Technical Assistance for Specialty Crops 2007 Availability of Funds Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12367>

Department of Commerce (DOC)

- Measurement, Science and Engineering Research Grants Programs Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12347>

Department of Defense (DOD)

Air Force – Research Lab

- CLEAN SWEEP Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12329>
- Collaborative Center in Control Science Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12197>

DARPA

- Chemical Communications Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12284>
- Defense Advanced Research Projects Agency DARPA - MTO - BAA0718 Photonic Analog Signal-Processing Engines with Reconfigurability (PhASER) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12351>
- Microsystems Technology Office-Wide Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12261>
- Polymer Ice Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12282>

Office of Naval Research

- Communications and Networking Technology Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12359>
- Electronic Warfare Discovery and Invention (D&I) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12231>
- Electronics Technology Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12354>
- Human Performance Training and Education Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12243>

Department of Education (ED)

- Teaching American History Grant Program
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12177>
- International Research and Studies Program CFDA 84.017A Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12349>
- U.S.-Brazil Higher Education Consortia Program CFDA 84.116M Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12350>
- International Research and Studies Program CFDA 84.017A Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12352>
- Rehabilitation Training Program CFDA 84.129L Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12307>
- Rehabilitation Training Program CFDA 84.129C Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12305>

Department of Energy (DOE)

- Discovering the Nature of Dark Energy Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12200>
- Environmental Remediation Science Program Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12269>
- Funding Opportunity Notice for FY 2007 SBIR/STTR Phase II Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12393>
- Office of FreedomCar and Vehicle Technologies Grant, Area of Interest I
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12293>
- Office of FreedomCar and Vehicle Technologies Grant , Area of Interest II
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12294>
- Office of FreedomCar and Vehicle Technologies Grant, Area of Interest III
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12295>
- Theoretical Research in Plasma and Fusion Science Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12254>

Department of Health and Human Services (HHS)

Agency for Healthcare Research and Quality

- AHRQ Health Services Research (R01) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12234>

Centers for Disease Control and Prevention

- Adopting and Demonstrating the Adaptation of Prevention Techniques for Persons at Highest Risk of Acquiring or Transmitting Human Immunodeficiency Virus (ADAPT 2) (UR6) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12395>
- CDC Mentored Public Health Research Scientist Development Award Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12205>
- HIV/AIDS Risk Reduction Interventions for Heterosexually-Active African-American Men (UR6) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12394>
- Thrombosis and Hemostasis Centers Research and Prevention Network (U01) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12152>

Health Resources & Services Administration

- Advanced Education Nursing Traineeship
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11953>
- National Newborn Screening and Genetics Resource Center
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12331>
- Nurse Anesthetist Traineeships <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11955>

National Institutes of Health

- Alcohol, Puberty, and Adolescent Brain Development: (R01) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12147>; (R21) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12146>
- Animal Models of Endophenotypes and Intermediate Phenotypes for Alcohol Related Behaviors: (R01) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12150>; (R21) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12151>
- Application of Emerging Technologies for Cancer Research: (R21) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12128>; (R33) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12131>
- Application of Emerging Technology For Cancer Research: (SBIR [R43/R44]) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12137>; (STTR [R41/R42]) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12138>

- Application of Metabolomics for Translational and Biological Research: (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12277>; (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12280>
- Bioengineering Research Grants (BRG)(R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12171>
- Child Health Research Career Development Award (K12) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12253>
- Claude D. Pepper Older Americans Independence Centers (OAICs) and Coordinating Center (P30) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12389>
- Collaborative Multi-site Research in Addiction (COMRAD) (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12196>
- Community Participation in Research (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12185>
- Drug Abuse Aspects of HIV/AIDS: (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12292>; (R03) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12290>; (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12287>
- Epigenetic Approaches in Cancer Epidemiology: (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12262>; (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12260>
- Epigenetic Mechanisms in the Neurobiology of Alcohol Tolerance and Dependence: (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12148>; (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12149>
- Health Disparities in HIV/AIDS: Focus on African Americans: (R03) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12211>; (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12212>
- Human Genes and the Environment Research Training Program (T32) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12283>
- Hypersensitivity Pneumonitis - Early Identification and Mechanisms of Disease (R01) <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12274>
- Immunology of Biofilms (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12198>
- Information Technologies and the Internet in Health Services and Intervention Delivery (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12233>
- Innovative Technologies for Molecular Analysis of Cancer: (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12122>; (R33) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12125>; (SBIR [R43/R44]) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12135>; (STTR [R41/R42]) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12136>
- International Research Collaboration on Drug Addiction: (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12155>; (R03) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12286>; (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12285>
- Mental Health Consequences Of Violence And Trauma: (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12300>; (R03) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12316>; (R34) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12317>; (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12318>
- Metals in Medicine (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12159>
- Nanoscience and Nanotechnology in Biology and Medicine: (R01) <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12123>; (R21) <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12124>
- NHLBI Career Transition Award (K22) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12333>
- NIDCD Small Grant Program (R03) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12202>
- NIH Pathway to Independence (PI) Award (K99/R00) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12258>
- Novel Approaches to Enhance Animal Stem Cell Research: (R01) <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12302>; (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12303>
- Outcomes and Cost-Effectiveness Studies of CAM Using Existing Practice-based Research Networks (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12223>
- PHS 2007-02 Omnibus Solicitation of the NIH for Small Business Technology Transfer Grant Applications (Parent STTR [R41/R42]) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12268>;

- PHS 2007-02 Omnibus Solicitation of the NIH, CDC, and FDA for Small Business Innovation Research Grant Applications (Parent SBIR [R43/R44]) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12267>
- Research On Ethical Issues In Human Subjects Research (R01) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12157>
- The Secretary Pattern of Senescent Cells (R01) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12156>
- Translational Research in Eating Disorders (R01) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12195>

Department of Homeland Security (DHS)

- BAA07-01, Advanced Technology Demonstration - Stand-Off Radiation Detection Systems Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12363>

Department of Justice (USDOJ)

- Grants to Reduce Domestic Violence, Dating Violence, Sexual Assault and Stalking on Campus Program Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12166>

Environmental Protection Agency (EPA)

- 2007 Indoor Environments: Reducing Public Exposure to Indoor Pollutants
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12291>
- Request for Proposals – Disappearing Diporeia in the Great Lakes
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12342>
- Strategic Agricultural Initiative/Food Quality Protection Act Grant Program: FY 2007 Request for Proposals Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12244>
- Regional Geographic Initiative (RGI) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12229>
- Strategic Agricultural Initiative Supplemental Grant Program to Foster Transition: FY 2007 Request for Proposals Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12132>
- Partnership for Clean Indoor Air Scale-Up Pilot Projects Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12358>

Institute of Museum and Library Services (IMLS)

- Institute of Museum and Library Services 21st Century Museum Professionals
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9329>

National Aeronautics and Space Administration (NASA)

- ROSES2006: Opportunities in Science Mission Directorate Education and Public Outreach Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12179>
- AEROSPACE EDUCATION PROJECT Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12221>
- RESEARCH OPPORTUNITIES IN SPACE AND EARTH SCIENCES - 2007 Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12368>
- KSC INTERNSHIP Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12339>

National Endowment for the Arts (NEA)

- NEA FY08 Challenge America Fast Track Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12193>
- NEA FY08 Grants for Arts Projects, Deadline 1
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12188>
- NEA FY08 Grants for Arts Projects, Deadline 2 Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12190>
- NEA FY08 Learning in the Arts for Children and Youth Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12192>
- NEA Literature Creative Writing Fellowships, FY 2008 Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12245>

National Science Foundation (NSF)

- Algebra, Number Theory, and Combinatorics
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=3004>
- Analysis
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=3005>
- Archaeology and Archaeometry
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10616>
- Arctic Research Opportunities
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10913>

- Astronomy and Astrophysics Research Grants
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=2450>
- Biomaterials <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10760>
- Biomolecular Systems Cluster <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10441>
- Cellular Systems Cluster <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10440>
- Ceramics <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7624>
- CISE Computing Research Infrastructure
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10637>
- Cognitive Neuroscience <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8701>
- Competition for the Management and Operation of the National Center for Atmospheric Research (NCAR) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=12251>
- Condensed Matter and Materials Theory
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10674>
- Course, Curriculum, and Laboratory Improvement Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12313>
- Cultural Anthropology Scholars Awards Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12344>
- Cyber Trust <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11162>
- Cyberinfrastructure for the Biological Sciences: Plant Science Cyberinfrastructure Collaborative (PSCIC)
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10549>
- Decision, Risk and Management Sciences (DRMS)
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10636>
- Developmental and Learning Sciences <http://www.grants.gov/search/search.do?mode=VIEW&oppld=11238>
- Discovery Research K-12 <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10548>
- Ecological Biology <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10705>
- Economics <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10639>
- Ecosystem Science <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10704>
- Electronic Materials <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7631>
- Engineering Education Programs (EEP) <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7636>
- Environmental and Structural Systems Cluster
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=7628>
- Ethics Education in Science and Engineering (EERE) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12217>
- Focused Research Groups in the Mathematical Sciences (FRG)
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10132>
- Genes and Genome Systems <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7680>
- Geobiology and Low-Temperature Geochemistry
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9047>
- Geomorphology and Land Use Dynamics
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9048>
- Geophysics <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8223>
- Hydrologic Sciences <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8174>
- Informal Science Education (ISE) <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7419>
- Integrative Graduate Education and Research Traineeship Program (IGERT) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12167>
- Interdisciplinary Training for Undergraduates in Biological and Mathematical Sciences Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=12140>
- Metals <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7623>
- Microbial Observatories (MO) and Microbial Interactions and Processes (MIP)
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=3827>
- Office of Special Programs <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10653>
- Opportunities for Promoting Understanding through Synthesis (OPUS)
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9671>
- Petrology and Geochemistry <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8172>
- Physical Anthropology <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10664>
- Polymers (POL) <http://www.grants.gov/search/search.do?mode=VIEW&oppld=1254>
- Population and Evolutionary Processes
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10617>
- Research on Gender in Science and Engineering FY 2007
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=11178>
- SBE Doctoral Dissertation Research Improvement Grants
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10952>
- Sedimentary Geology and Paleobiology <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9049>
- Sociology <http://www.grants.gov/search/search.do?mode=VIEW&oppld=3009>

- Solid-State Chemistry <http://www.grants.gov/search/search.do?mode=VIEW&oppId=10668>
- Statistics <http://www.grants.gov/search/search.do?mode=VIEW&oppId=3002>
- Systematic Biology and Biodiversity Inventories
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=10706>
- Tectonics <http://www.grants.gov/search/search.do?mode=VIEW&oppId=8173>
- Topology <http://www.grants.gov/search/search.do?mode=VIEW&oppId=3008>

NEW ANNOUNCEMENTS: FOUNDATIONS & OTHER, DEADLINE MEMO

<http://www.grantadvisor.com/tgaplus/purge.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

UNIVERSITY OF MISSOURI NEWS

- UM Research Board System Compromised, New Submission System Being Developed for Extended Proposal Deadline of March 15
- Appeals Court Rejects U. of Missouri's Bid to Extend Lawsuit Immunity Into the Realm of Patent Law

OTHER NEWS OF INTEREST

- Harvard Alters its Approach to Scientific Study: Collaboration a key to plan
- Drugs in Testing Show Promise for Lupus: New treatments target disease, not just symptoms; first big advances in 50 years

UM Research Board System Compromised, New Submission System Being Developed for Extended Proposal Deadline of March 15

After an unauthorized access to the UM Research Board online submission web pages was detected on January 16, 2007, University IT staff took the system off-line.

The old system has been completely disabled and the University is working to establish a different process for the current grant competition. The deadline for submissions has been extended to March 15, 2007.

An online FAQ page was developed to answer questions:

<http://www.umsystem.edu/ums/departments/aa/rbgafaq.shtml>

Watch for more information on how to submit your proposals. Contact Shannon Nichols at 314-516-5899 or nicholss@umsl.edu with any questions. ●

Appeals Court Rejects UM's Bid to Extend Lawsuit Immunity Into the Realm of Patent Law: 11th Amendment immunity waived by requesting an interference proceeding

From Patently-O

January 23, 2007

By DENNIS CROUCH

of Counsel at McDonnell Boehnen Hulbert & Berghoff LLP

Visiting Assistant Professor, Boston University Law School

Vas-Cath v. University of Missouri (Fed. Cir. 2006).

Interference proceedings arise when two patent applicants both hope to obtain a patent on the same invention. [35 USC §135](#). The PTO holds a mini-trial and (usually) grants a patent to the party with priority. This case arose over claims to a dual-lumen catheter used in prolonged hemodialysis.

The University of Missouri filed its patent application first, but Vas-Cath pushed its through the PTO more quickly — resulting in an issued patent. On Missouri's request, the PTO initiated an interference — a process that lasted six years and eventually resulted in all nineteen claims being awarded to the University.

Vas-Cath appealed and the case was heard in the Western District of Missouri. Unfortunately for Vas-Cath, the district court quickly dismissed the case based on Missouri's Eleventh Amendment immunity from suit in federal court. ([District Court Decision](#)). Vas-Cath then appealed to the Court of Appeals for the Federal Circuit (CAFC).

11th Amendment Sovereign Immunity: The 11th Amendment, ratified in 1798 provides that:

The Judicial powers of the United States shall not be construed to extend to any suit in law or equity, commenced or prosecuted against one of the United States by Citizens of another State, or by Citizens or Subjects of any Foreign State.

This has been interpreted to provide a state (or a state university) with absolute immunity from an action in federal court unless the immunity is waived or the State's actions violate someone's 14th

Amendment due process guarantee. In general, a state's participation in the patenting process does not imply any waiver of immunity.

Here, Vas-Cath argued that the University's request for and participation in the interference constituted waiver, and the CAFC agreed:

[T]he University did not simply procure a patent through the routine of ex parte examination, but requested the PTO to conduct litigation-type activity, obtaining a favorable agency ruling for which the statute authorizes judicial review.

The CAFC found that the University had indeed waived its immunity by voluntarily entering into the litigation-type interference — thus negating its “assertion of immunity to bar appeal of that adjudication.” ●

Notes: As State Universities play increasingly greater roles in the patent game, state immunity questions will likely continue to rise. Recently, we have several immunity decisions, namely: [Tegic v. U. Texas](#), [Pennington Seed v. Produce Exchange No. 299](#) and [Univ. of Arkansas, Intel and Microsoft v. Commonwealth Scientific \(foreign immunity\)](#).

Harvard Alters its Approach to Scientific Study: Collaboration a key to plan

Excerpted The Boston Globe (boston.com)

January 19, 2007

By GARETH COOK

Read Complete Article Online:

http://www.boston.com/news/local/articles/2007/01/19/harvard_alters_its_approach_to_scientific_study/

The Harvard University corporation will devote \$50 million to begin an ambitious effort to encourage interdisciplinary science research, signaling the governing board's determination to make fundamental changes in the university's approach to science, even as it searches for a new president.

The money, Harvard officials said yesterday, will be under the control of a powerful new, university-wide science and engineering planning committee, a striking change for an institution that has traditionally given enormous power to the relatively autonomous heads of its academic departments. The committee will use the money to create new interdisciplinary departments, hire faculty, fund research, and pay for new equipment and laboratory space for research that crosses traditional boundaries. Possible areas of focus that have been under discussion include stem cell research, engineering new devices modeled on living organisms, and innovative uses of computing.

The corporation yesterday expressed general support for a new department focused on stem cell biology. Research in this Department of Developmental and Regenerative Biology would range from basic science to medical applications. The department, which is still in the planning stages and has not been approved, would be another historic first for Harvard: A university-wide department, bringing together researchers from the medical school and the faculty of arts and sciences.

The changes are a response to a scathing faculty report, completed last year, which said the university's entrenched bureaucratic structures stifle collaboration and threaten its leadership in scientific research. Many universities are struggling to find ways to reorganize their approach to science and engineering as the boundary lines between traditional disciplines such as chemistry and biology dissolve. The corporation's decisions, which are part of planning for the new campus in Allston, are a sign that Harvard is moving quickly.

"The fact that Harvard, which has probably been more famous than any university for the insularity of its programs, is undertaking this, is a terribly important signal to the entire research community," said Robert M. Berdahl, president of the Association of American Universities in Washington, D.C.

The restructuring in science research, which would probably lay the groundwork for more sweeping changes under a new president, is already controversial. Some Harvard scientists fear that new departments would not maintain the same academic standards as today's departments. Others worry that in seeking to stay on the leading edge, the university will devote too many resources to scientifically fashionable areas.

"Regenerative medicine is a very important arena, but it may not be the most important problem facing us in terms of the huge and potentially dramatic changes in our global climate and environment," said Harvard zoologist Farish A. Jenkins Jr.

But other faculty members are eager for changes. In the draft report released last July, a group of faculty proposed reorienting the university's scientific administration, to emphasize collaboration, interdisciplinary research, and encouragement of younger faculty and undergraduates. ●

Drugs in Testing Show Promise for Lupus: New treatments target disease, not just symptoms; first big advances in 50 years

Excerpted from The Wall Street Journal

January 23, 2007

By HEATHER WON TESORIERO

Read Complete Article Online (subscription required):

<http://users2.wsj.com/lmda/do/checkLogin?mg=wsj-users2&url=http%3A%2F%2Fonline.wsj.com%2Farticle%2FSB116952617634384693.html>

The last time a new drug was approved to treat lupus, a serious autoimmune disorder that afflicts an estimated 1.5 million Americans, Dwight D. Eisenhower was president. But after a 50-year stretch without a major advance, there are finally some promising treatments on the horizon.

Several drug makers are in advanced-stage trials for lupus drugs. **Human Genome Sciences** Inc. will begin enrolling patients in the next two weeks in the largest ever late-stage lupus trial, following positive results in earlier testing; **Bristol-Myers Squibb** Co. is conducting lupus trials on Orencia, its rheumatoid arthritis drug; and **Genentech** Inc. and **Biogen Idec** Inc. are conducting late-stage trials on Rituxan, a cancer drug that has been used off-label for lupus.

This is welcome news for lupus sufferers, 90% of whom are women who experience onset of the disorder between the ages of 15 and 40. A chronic inflammatory disease that can affect almost any part of the body, lupus produces complications ranging from serious skin rashes and joint pain to organ malfunction and atherosclerosis, or hardening of the arteries. The condition can be life threatening: The most common cause of death is heart attacks and strokes.

To treat symptoms, doctors have worked off a stable of old medicines. Steroids and immunosuppressants, drugs that shut down the body's natural defenses and that can provide some relief to patients, are the most commonly used. There are often significant side effects, including an impaired immune system, opening patients up to infections, and weight gain, which prompts other problems.

Doctors have also turned to a number of medications that are approved for other conditions. Doctors are allowed to prescribe any approved medicine for uses beyond those contained on the label, but patients can have difficulty getting insurance coverage for such off-label treatments.

With the lack of remedies for the disorder, the government began investing more heavily in lupus research and now spends roughly \$89 million a year on the disease. As results emerged, doctors and researchers saw clues into how lupus works in the body's cells. And, while no reliable numbers on growth exist -- a deficit Dr. Lim's patient registry aims to fill -- experts agree the lupus population has expanded along with better diagnoses. In turn, some drug companies began to pay more attention to the disorder.

"Drug companies weren't interested in it because they thought it was a small market," Gary Gilkeson, head of the medical and scientific board of the Lupus Foundation of America, says. "They realized that was wrong." By one estimate, the lupus drug market, which was \$300 million in 2005, could reach \$1.3 billion in 2015 if the potential treatments prove to be efficacious.

There's now a horse race among a few drug companies to be the first one in 50 years to gain approval to make and market a lupus drug. There are currently four drugs in late-stage lupus trials, as well as two being tested for lupus nephritis. Most of these drugs are monoclonal antibodies, which attempt to target the cells that contribute to the damaging antibodies. Early results for a trial for Lymphostat-B, a collaboration between Human Genome Sciences and **GlaxoSmithKline** PLC, showed to reduce lupus disease activity. Now, the new international trial will enroll more than 1,600 patients to try and confirm the findings.

Bristol-Myers is conducting late-stage trials with Orencia, its rheumatoid arthritis drug that came out in the U.S. last year, to see if it helps lupus patients. The international trial will enroll 180 to 190 patients. Orencia, which is administered about every 28 days via a 30-minute intravenous infusion, targets T-cells, which are believed to have a major hand in inflammation.

And Genentech in collaboration with Biogen Idec is going ahead with plans to test Rituxan, a blockbuster cancer and rheumatoid arthritis drug, in lupus patients, both with and without lupus nephritis. The lupus trial will enroll 250 patients and the nephritis trial will enroll 140. Last month, the FDA issued a warning following two deaths from a viral infection of lupus patients using the drug off-label. Doctors and analysts took heed, but say that they're still hopeful that the drug will be approved, noting that because lupus patients have compromised immune systems, it's impossible to determine whether Rituxan was responsible.

Aspreva Pharmaceuticals Corp. is testing anti-organ-rejection treatment CellCept for lupus nephritis. CellCept, a drug for organ transplant recipients, is often prescribed off-label to lupus patients. Results from the first phase of its late-stage trials are expected this year. ●

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