

Spirit of INNOVATION

Research, Creativity and Commercialization News

OFFICE OF RESEARCH ADMINISTRATION NEWSLETTER September 2006 (Volume VI, No. 3)

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 Kratochvil (kratochvilt@umsl.edu).

RECENT AWARDS

EXTERNALLY FUNDED AWARDS, July 2006

Curtis Coonrod and Donald Mertz, Student Support Services, awarded \$234,229 for "Student Support Services" by the US Department of Education - Non Student Aid.

Alexei Demchenko, Chemistry, awarded \$10,000 for "Development of the thiazolyl methodology for convergent synthesis of complex glycostructures" by the American Chemical Society Petroleum Research Fund.

Jerry Dunn, Child Advocacy Center, awarded \$5,000 for "Follow Up Evaluation Project-Continued Funding" by the Norman J. Stupp Foundation.

Jerry Dunn, Child Advocacy Center, awarded \$45,643 for "Expanding Victim Advocacy Services for Child Abuse Victims" by the Missouri Department of Public Safety.

Finn Aage Esbensen, Criminology & Criminal Justice, awarded \$2,497,585 for "Process and Outcome Evaluation of G.R.E.A.T." by the National Institute of Justice.

Susann Farbermann, College of Nursing, awarded \$64,906 for "Advanced Education Nursing Traineeship FY 2006" by the Health Resources and Services Administration.

Anthony Georges, Student Financial Aid, awarded \$226,724 for "Federal SEOG Grant Program 2006 - 2007" by the US Department of Education - Student Aid.

Anthony Georges, Student Financial Aid, awarded \$4,815,746 for "Federal Pell Grant Program 2006 - 2007" by the US Department of Education - Student Aid.

Anthony Georges, Student Financial Aid, awarded \$435,599 for "Federal Work Study Community Service Program" by the US Department of Education - Student Aid.

Joel Norman Glassman, Center for International Studies, awarded \$16,500 for "Lentz Fellow in Peace and Conflict Resolution Research, AY 2005-2006" by the Lentz Peace Research Association.

Charles Granger, Biology and Teaching & Learning, awarded \$5,200 for "Research and Engineering Apprenticeship Program" by the Academy of Applied Science.

Sharon D. Johnson, Social Work, awarded \$140,430 for "Developmental Psychopathology & Maternal Sub. Use" by the National Institutes of Health.

Virginia Navarro, Teaching & Learning, awarded \$274,377 for "Career Transition Certification Program" by the Missouri Department of Elementary and Secondary Education.

Diane Scollay, Continuing Education & Outreach, awarded \$60,000 for "National Writing Project" by the National Writing Project Corporation.

Xuemin Wang, Biology, awarded \$10,000 for "REU Supplement: Regulation and Function of Membrane Lipid Hydrolysis in Lipid-Based Signaling of Plants" by the National Science Foundation.

Chung Wong, Chemistry, awarded \$217,742 for "Computer-aided Design of Anti-cancer Drugs Targeting Protein Kinases" by the National Institutes of Health.

Total: \$9,983,777

ANNUAL EXTERNAL FUNDING REPORT/COMPARISON, FY 2005 and FY2006

CSD	Department	2005		2006	
		# of Awards	\$ Awarded	# of Awards	\$ Awarded
Center for Academic Development		0.50	113,704	0.50	117,115
	<i>Ctr for Academic Development</i>	0.50	113,704	0.50	117,115
Center for International Studies		10.43	515,879	5.43	77,263
	<i>Ctr for International Studies</i>	10.43	515,879	5.43	77,263
Center for the Humanities		2.00	4,150	2.00	4,700
	<i>Ctr for the Humanities</i>	2.00	4,150	2.00	4,700
Chancellor-Special Units		2.00	112,243	1.00	90,000
	<i>Special Units Chancellor</i>	2.00	112,243	1.00	90,000
College of Arts & Sciences		76.85	6,712,210	73.65	6,557,059
	<i>Anthropology</i>	2.10	64,999	0.20	3,150
	<i>Biology</i>	29.53	3,274,947	26.03	2,696,708
	<i>Chemistry</i>	12.13	1,177,857	8.53	852,713
	<i>Child Advocacy Center</i>	11.00	716,384	7.00	352,984
	<i>Criminology & Criminal Justice</i>	4.00	180,752	9.00	294,581
	<i>Economics</i>	1.00	34,647		
	<i>English</i>	1.00	3,400	1.00	3,400
	<i>Foreign Languages & Literature</i>			1.00	2,475
	<i>History</i>	1.50	18,622	0.20	3,150
	<i>Mathematics & Computer Science</i>	2.10	165,076	4.20	667,658
	<i>Philosophy</i>			1.00	45,000
	<i>Physics and Astronomy</i>	5.50	366,066	4.00	439,913
	<i>Political Science</i>	1.00	76,999		
	<i>Psychology</i>	1.50	62,318	5.50	340,568
	<i>Social Work</i>	4.50	570,144	6.00	854,760
College of Business Administration		3.50	234,957	2.00	76,250
	<i>Dean College of Business</i>	1.50	61,285		
	<i>Ctr for Transportation Studies</i>			2.00	76,250
	<i>College of Business Admin</i>	2.00	173,672		
College of Education		21.37	4,454,242	24.62	9,616,610
	<i>Dean College of Education</i>	3.00	515,558	2.00	431,423
	<i>Educational Psychology</i>	3.50	282,060	4.50	1,491,650
	<i>Teaching & Learning</i>	8.64	2,383,650	10.17	5,722,600
	<i>Counseling - College of Ed.</i>	1.33	197,402	2.00	10,728
	<i>Educational Leadership & Policy</i>	4.90	1,075,572	5.45	1,926,708
	<i>University Child Development</i>			0.50	33,501

College of Fine Arts & Communication	7.00	28,372	5.00	28,971
Art & Art History	2.00	12,572	2.00	19,881
Communication	2.00	2,500	1.00	3,500
Dean College of Fine Arts & Communication	3.00	13,300	2.00	5,590
College of Nursing	4.00	390,757	1.00	59,971
College of Nursing	4.00	390,757	1.00	59,971
College of Optometry	1.00	101,918	2.00	113,739
College of Optometry	1.00	101,918	2.00	113,739
Extension Division	9.35	1,132,738	11.20	960,617
Continuing Ed. & Outreach	9.35	1,132,738	11.20	960,617
Graduate School	1.50	68,948	0.50	29,501
Gerontology	0.50	43,948	0.50	29,501
Public Policy Administration	1.00	25,000		
Information Technology Services			1.50	30,351
Faculty Instructional Support			1.50	30,351
Institutional Safety	2.00	36,000		
UMSL Police	2.00	36,000		
KWMU Radio	6.00	462,950	4.00	399,311
KWMU FM Radio	6.00	462,950	4.00	399,311
Libraries			1.00	25,000
Mercantile Library			1.00	25,000
Public Policy Research Centers	11.00	747,323	18.60	1,276,185
Public Policy Research Centers	11.00	747,323	18.60	1,276,185
VC Academic Affairs	3.00	48,000	3.00	67,240
Multi-Cultural Relations	1.00	42,000	1.00	57,240
VC Academic Affairs	2.00	6,000	2.00	10,000
Vice Provost Student Affairs	3.50	7,901,470	3.50	8,095,808
Student Financial Aid	3.00	7,787,766	3.00	7,978,693
Student Life			0.50	117,115
Vice Provost Student Affairs	0.50	113,704		
VP Research	10.00	2,372,218	5.50	1,397,116
Ctr for Neurodynamics	0.50	134,680	0.50	142,400
Missouri Enterprise	2.00	1,270,316	2.00	952,256
Office of Research Administration	7.50	967,223	3.00	302,460
Grand Total	175.00	25,438,079*	166.00	29,022,806

*An additional \$1.2 million was booked in FY 2006, but added to FY 2005 numbers for accounting purposes, requiring the total figure for FY 2005 to be restated upward from what was originally reported.

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.

INTERNAL FUNDING OPPORTUNITIES

University of Missouri Research Board

The purpose of the UM Research Board is to enhance the long-term quality and quantity of scholarship throughout the University by supporting meritorious research projects. An important goal is to leverage external funds by UM faculty by supporting promising new faculty and funding high quality new initiatives of senior faculty.

Proposals Due: Monday, Oct. 2, 2006 (also, Feb. 12, 2007) by 5 p.m.

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

UM-St. Louis Small Grants Fund

The Small Grants Fund is designed to strengthen faculty research and creative activities. Through a competitive process, awards are given to help faculty in all disciplines maintain an active research program. Funding may be requested for only one of the following categories: *Conference Expenses, Equipment and Research Supplies, Professional Development.*

Proposals Due: Monday, Oct. 9, 2006 (also, March 5, 2007) by 5 p.m.

341 Woods Hall

More information: http://www.umsl.edu/services/ora/docs/2007_Smal_Grants.doc, or contact Shannon Muehlberger Nichols (muehlbergers@umsl.edu, 516-5899)

UM-ST. LOUIS Research Awards

These awards strengthen faculty research and creative activities. Support is provided for research assistants, equipment, supplies, travel to research locations, and salary support for course reductions, research leaves, and summer research. Funds will not be awarded for domestic travel to conferences, but will be awarded for travel to international conferences in conjunction with research-related travel. A significant portion of the funds available for faculty research support is based on facilities and administration cost recovery from externally funded grants and contracts. In order to perpetuate the fund, one purpose of the Research Awards is to support faculty whose competitive position for external funding will be improved by such assistance. Awards also are given to help faculty in all disciplines maintain an active research program, even if external funding is difficult to obtain. Special consideration, particularly for summer research support, will be given to junior faculty to assist them in establishing a strong research record. Generally, tenured faculty will not be awarded summer salary support.

Proposals Due: Monday, Oct. 16, 2006 (also, Feb. 5, 2007) by 5 p.m.

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More information: http://www.umsl.edu/services/ora/docs/FY07_Research_Award_guide.doc, or contact Shannon Muehlberger Nichols (muehlbergers@umsl.edu, 516-5899)

NEW ANNOUNCEMENTS: GOVERNMENT AGENCIES

Agency for International Development (USAID)

- FY-2007 HUMANITARIAN RESPONSE IN SUDAN Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10579>
- Peanut Collaborative Research Support Program Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10745>
- Turkmenistan Community Empowerment Program Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10511>
- West Africa Cotton Improvement Program Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10537>

Corporation for National and Community Service (CNCS)

- AmeriCorps National Direct Grants Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10588>
- AmeriCorps National Education Award Program Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10587>
- AmeriCorps National Planning Grants Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10589>
- AmeriCorps National Professional Corps Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10590>
- AmeriCorps State and Territories Competitive Grants Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10592>
- AmeriCorps State Education Award Program Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10593>
- AmeriCorps States, Territories, and Commonwealths without Commissions Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10595>
- Child Care Cooperative Agreement 2006 Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10487>

Department of Agriculture (USDA)

- 2007 Challenge Cost-Share Grant Program Request for Pre-Proposals
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10475>

Department of Commerce (DOC)

- Ballast Water Technology Demonstration Program Cooperative Research, Development, Test and Evaluation (RDTE) Facility <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9927>
- NMFS-SG Fellowship in Marine Resource Economics
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9950>
- NMFS-SG Fellowship in Population Dynamics
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9951>

Department of Defense (DOD)

- A--Fiscal 2005 Department of Defense Multidisciplinary Research Program of the University Research Initiative <http://www.grants.gov/search/search.do?mode=VIEW&oppld=4069>
- Basic Research in Advanced Imaging and Non-Imaging Sciences Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10672>
- DARPA - Microsystems Technology Office, COmpound Semiconductor Materials On Silicon (COSMOS) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10693>
- DARPA - Microsystems Technology Office, Micro Isotope Power Sources (MIPS)
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10554>
- DARPA - Microsystems Technology Office, Recognize IED and Report (RIEDAR)
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10675>
- Disruptive Manufacturing Technologies (DMT)
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10168>
- Disruptive Technologies for Direct Digital Manufacturing
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10225>
- FY 2007 DoD DEPSCoR BAA Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10562>
- Global Response and Synchronization <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10826>
- High Operating Temperature Mid-Wave Infrared Focal Plane Arrays (HOT MWIR)
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=2669>
- MWM Outreach Support, Evaluation and Assessment Program Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10799>
- Nanoscale Architectures for Coherent Hyper-Optic Sources (NACHOS) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10585>
- Prevention and Treatment of HIV/AIDS in the Namibian Defense Force Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10480>
- Reusable Operationally Responsive Trans-Atmospheric Technology Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10552>
- Software and Systems Test Track Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10827>

Department of Education (ED)

- Assistive Technology Reutilization Model Demonstrations Program (84.235V-1) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10689>
- Hurricane Education Recovery Awards Program (84.938H) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10692>
- Jacob K. Javits Fellowship Program (84.170)
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10750>
- Literacy Information and Communication Regional Resource Centers (84.257T) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10473>
- Literacy Information and Communication Resource Collections (84.257S) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10532>
- National Assistive Technology and Technical Assistance Center Program (84.235V-2) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10690>
- Personnel Development to Improve Services and Results for Children with Disabilities Program (84.325D) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10583>
- Personnel Development to Improve Services and Results for Children with Disabilities Program (84.325K) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10584>
- Technology and Media Services for Individuals with Disabilities Steppingstones of Technology Innovation for Children with Disabilities (84.327A). <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10528>

Department of Energy (DOE)

- Annual Notice for Continuation of Availability of Grants and Cooperative Agreements for Nuclear Physics Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10524>
- Annual Phase I Small Business Innovation Research (SBIR) Small Business Technology Transfer (STTR) Funding Opportunity Announcement Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10660>
- Collaborative Energy Efficiency Research in Iron-Making and Steel-Making
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=9463>
- GTL Bioenergy Research Centers Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10474>
- Office of Nuclear Physics Outstanding Junior Investigator Program Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10523>
- Rare Isotope Beam Capabilities Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10570>
- Solid State Lighting Product Development III - Program Area of Interest 1 - LED Product Development
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10362>
- Solid State Lighting Product Development III - Program Area of Interest 2 - OLED Product Development
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10363>
- Solid State Lighting Product Development III - Program Area of Interest 3 - Technical Information Network
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10364>
- Superconducting Power Equipment - Area of Interest 1
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10567>
- Superconducting Power Equipment - Area of Interest 2
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10568>
- Superconducting Power Equipment - Area of Interest 3
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10569>

Department of Health and Human Services (HHS)

Food & Drug Administration

- FDA National Center for Natural Products Research Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10787>

Health Resources & Services Administration

- HRSA Rural Health Network Development Planning Grant Program Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10810>

National Institutes of Health

- Bioengineering Approaches to Energy Balance and Obesity (R21) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10720>
- Cancer Education Grants Program (R25) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10823>
- Development and Application of PET and SPECT Imaging Ligands as Biomarkers for Drug Discovery and for Pathophysiological Studies of CNS Disorders: (R21) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10533>; (R33) Grant

<http://www.grants.gov/search/search.do?mode=VIEW&oppld=10535>; (Phased Innovation Award [R21/R33]) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10536>

- Developmental Research on Elder Mistreatment (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10519>
- Dissemination and Implementation Research in Health: (R03) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10563>; (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10565>
- Educational Programs for Population Research (R25) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10517>
- Effectiveness, Practice, And Implementation In CMHS Children s Service Sites (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10605>
- EFFECTIVENESS, PRACTICE, AND IMPLEMENTATION IN CMHS CHILDRENS SERVICE SITES <http://www.grants.gov/search/search.do?mode=VIEW&oppld=3035>
- Effectiveness, Practice, And Implementation In CMHS' Comprehensive Community Mental Health Services Program for Children and their Families Service Sites (R01) <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10605>
- Enabling Technologies for Tissue Engineering and Regenerative Medicine (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10484>
- Exploratory/Developmental Grant for Clinical Studies of Complementary and Alternative Medicine (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10518>
- Exploratory/Developmental Program for Translational Research in Muscular Dystrophy (R21) <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8360>
- Functional Links between the Immune System, Brain Function and Behavior (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10722>
- Immunology of Biofilms: (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10781>; (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10786>
- Innovations in Biomedical Computational Science and Technology Initiative: (SBIR [R43/R44]) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10726>; (STTR [R41/R42]) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10727>
- Institutional Clinical and Translational Science Award (U54) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10713>
- MDMA: Research Areas Needing More Emphasis: (R03) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10600>; (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10602>
- Mental Health Centers for Intervention Development and Applied Research (CIDAR) <http://www.grants.gov/search/search.do?mode=VIEW&oppld=6331>
- Mentored Clinical Scientist Research Career Development Award (K08) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10529>
- Muscular Dystrophy: Pathogenesis and Therapies (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10515>
- National Cancer Institute (NCI) Cancer Education and Career Development Program (R25) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10521>
- National Research Service Award Postdoctoral Fellowships In Epidemiology, Clinical Trials, And Outcomes Research In Skin Diseases(F32) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10752>
- National Research Service Award Postdoctoral Fellowships In Epidemiology, Clinical Trials, and Outcomes Research In Orthopaedic Surgery(F32) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10815>
- Networks and Pathways Collaborative Research Projects (R01) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10575>
- Neuroeconomics of Aging (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10464>
- NIBIB Research Supplements to Promote Clinical Resident Research Experiences (R01, R37, P01, P41, P50, U01, U54) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10717>
- NIDCD Patient-Oriented Research Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=3185>
- NINDS Exploratory/Developmental Projects in Translational Research (R21) <http://www.grants.gov/search/search.do?mode=VIEW&oppld=8329>
- NLM Individual Fellowship for Informationist Training (F37) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10530>
- Parenting Capacities and Health Outcomes in Youths and Adolescents (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10711>
- Pathophysiology of Bisphosphonates-associated Osteonecrosis of the Jaw: (R03) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10460>; (R21) Grant

- <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10461>; (R01) Grant
- <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10462>
- Phased Innovation Awards in AIDS Vaccine Research (R21/R33) Grant
- <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10564>
- Preclinical Therapeutics Development for NeuroAIDS: (R03)
- <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10702>; (R21) Grant
- <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10703>;
- Predoctoral Training at the Interface of the Behavioral and Biomedical Sciences (T32) Grant
- <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10469>
- RFA-Announcement of a Limited Competition for the Academic-Community Partnership Conference Series (U13) <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10252>
- Rheumatic Diseases Research Core Centers (P30) Grant
- <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10596>
- Science Education Drug Abuse Partnership Award (R25) Grant
- <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10556>
- Short Term Educational Experiences for Research (STEER) in the Environmental Health Sciences for Undergraduates and High School Students (R25) Grant
- <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10819>
- Specialized Programs of Research Excellence (SPoREs) in Human Cancer for the Year 2007 (P50) Grant
- <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10489>
- Technology Development for the Comprehensive Determination of Functional Elements in Eukaryotic Genomes: (R21) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10513>; (R01) Grant
- <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10514>
- Technology Development of Image-Guided Interventions: Phase I (R21) Grant
- <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10746>
- Translational Research for the Prevention and Control of Diabetes and Obesity (R18) Grant
- <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10721>

Department of Homeland Security (DHS)

- Outreach, Education, and Technical Assistance for Public Safety Community Interoperability Efforts- Technical Services Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10803>

Department of State (DOS)

- Serbia Youth Leadership Program Grant
- <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10485>
- Summer Language Institutes for American Youth Grant
- <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10619>

Department of the Interior (DOI)

- Archeological Inventory and Monitoring Program Grant
- <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10684>
- Botanical Inventory and Monitoring Program Grant
- <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10723>
- Cooperative Ecosystem Studies Unit (CESU) Grant
- <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10809>
- Fisheries Biologist Opportunity for Undergraduate Grant
- <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10755>
- North American Wetlands Conservation Act Small Grants
- <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7818>

Department of Transportation (DOT)

- Cold Region and Rural Transportation Research, Maintenance and Operations Grant
- <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10610>
- Public Transportation Safety Research Grant
- <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10757>

Environmental Protection Agency (EPA)

- 4th Annual P3 Awards: A National Student Design Competition for Sustainability Focusing on People, Prosperity, and the Planet Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10697>
- Development of Environmental Health Outcome Indicators Grant
- <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10712>
- Fall 2007 EPA Greater Research Opportunities (GRO) Fellowships for Graduate Environmental Study Grant http://es.epa.gov/ncer/rfa/2007/2007_star_gro_grad.html

- Fall 2007 EPA Science to Achieve Results (STAR) Fellowships for Graduate Environmental Study Grant http://es.epa.gov/ncer/rfa/2007/2007_star_fellow.html
- FY 2006/2007 Targeted Watersheds Grant Program: Availability of Funds for Implementation Projects <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10609>
- FY 2006/2007 Targeted Watersheds Grant Program: Request for Proposals for Capacity Building Projects <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10612>
- OFFICE OF THE SCIENCE ADVISOR OFFICE OF RESEARCH AND DEVELOPMENT BROAD AGENCY ANNOUNCEMENT FOR CONFERENCES, WORKSHOPS, AND/OR MEETINGS <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7638>
- Pollution Prevention and Cleaner Production Networking Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10553>
- Prudent Disposal of Unwanted Medications <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10527>
- Technical Assistance for Textile Sector Pollution Prevention Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10785>
- USEPA Great Lakes National Program Office FY2006-2007 Funding Guidance Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10732>

Institute of Museum and Library Services (IMLS)

- Laura Bush 21st Century Librarians Program <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9325>
- National Leadership Grants for Museums and Libraries <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9326>
- Partnership for a Nation of Learners Community Collaboration Grants <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9327>
- 21st Century Museum Professionals <http://www.grants.gov/search/search.do?mode=VIEW&oppld=9329>

National Endowment for the Arts (NEA)

- NEA Literature Translation Fellowships, FY 2008 Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10631>

National Endowment for the Humanities (NEH)

- Digital Humanities Start-Up Grants <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10743>
- National Digital Newspaper Project <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10560>

National Science Foundation (NSF)

- Active Nanostructures and Nanosystems Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10550>
- Aeronomy <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10615>
- Archaeology and Archaeometry Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10616>
- Atmospheric Chemistry Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10764>
- Biological Physics <http://www.grants.gov/search/search.do?mode=VIEW&oppld=3014>
- Biomaterials Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10760>
- Catalysis and Biocatalysis Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10773>
- Ceramics <http://www.grants.gov/search/search.do?mode=VIEW&oppld=7624>
- CISE Computing Research Infrastructure Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10637>
- Climate and Large-Scale Dynamics (CLD) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10633>
- Combustion and Plasma Systems : Program Description (CPS) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10634>
- Communicating Research to Public Audiences Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10777>
- Computational Mathematics Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10635>
- Condensed Matter and Materials Theory Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10674>
- Condensed Matter Physics <http://www.grants.gov/search/search.do?mode=VIEW&oppld=2999>
- Cultural Anthropology <http://www.grants.gov/search/search.do?mode=VIEW&oppld=1258>
- Cyberinfrastructure for the Biological Sciences: Plant Science Cyberinfrastructure Collaborative (PSCIC) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10549>
- Decision, Risk and Management Sciences (DRMS) Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10636>
- Discovery Research K-12 Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppld=10548>

- Ecological Biology Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=10705>
- Economics Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=10639>
- Ecosystem Science Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=10704>
- Education and Interdisciplinary Research Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=10748>
- Elementary Particle Physics Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=10640>
- Graduate Research Fellowship Program Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=10551>
- High-Performance Computing for Science and Engineering Research and Education: Operations (User Support, System Administration and Maintenance) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=10805>
- High-Risk Research in Anthropology Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=10774>
- Law and Social Science Program <http://www.grants.gov/search/search.do?mode=VIEW&oppId=3343>
- Linguistics Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=10642>
- Lower Atmospheric Observing Facilities Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=10643>
- Magnetospheric Physics Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=10644>
- Manufacturing Enterprise Systems Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=10771>
- Manufacturing Machines and Equipment Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=10772>
- Mechanics and Structures of Materials Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=10647>
- Nano and Bio Mechanics Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=10649>
- National Facilities Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=10650>
- Office of Special Programs Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=10653>
- Operations Research Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=10775>
- Organic and Macromolecular Chemistry Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=10654>
- Paleoclimate Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=10656>
- Pan-American Advanced Studies Institutes Program (PASI) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=10778>
- Particle and Nuclear Astrophysics <http://www.grants.gov/search/search.do?mode=VIEW&oppId=6193>
- Particulate and Multiphase Processes Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=10661>
- Perception, Action & Cognition Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=10662>
- Physical and Dynamic Meteorology Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=10663>
- Physical Anthropology Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=10664>
- Population and Evolutionary Processes Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=10617>
- Power, Controls and Adaptive Networks Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=10666>
- Quantitative Environmental and Integrative Biology (QEIB) Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=10776>
- Service Enterprise Engineering Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=10770>
- Small Business Innovation Research and Small Business Technology Transfer Programs Phase I Solicitation FY-2007 Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=10763>
- Sociology Program <http://www.grants.gov/search/search.do?mode=VIEW&oppId=3009>
- Solar Terrestrial Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=10667>
- Solid-State Chemistry Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=10668>
- Systematic Biology and Biodiversity Inventories Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=10706>
- Theoretical Physics Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=10669>
- Thermal Transport and Thermal Processing Grant
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=10670>
- Undergraduate Research and Mentoring in the Biological Sciences
<http://www.grants.gov/search/search.do?mode=VIEW&oppId=10450>
- Upper Atmospheric Facilities Grant <http://www.grants.gov/search/search.do?mode=VIEW&oppId=10671>

Woodrow Wilson Center (WWC)

- Woodrow Wilson Center Fellowships <http://www.grants.gov/search/search.do?mode=VIEW&oppId=10463>

NEW ANNOUNCEMENTS: FOUNDATIONS & OTHER

AMERICAN ASSOCIATION OF UNIVERSITY WOMEN

>UNIVERSITY SCHOLAR-IN-RESIDENCE

DUE: DEC 1, letter of intent

WRITE: AAUW Educational Foundation University Scholar-in-Residence Award 1111 Sixteenth St., NW Washington, DC 20036

WEB: http://www.aauw.org/fga/fellowships_grants/university_scholar.cfm

E-MAIL: foundation@aauw.org

PHONE: 202/728-7602

The AAUW Educational Foundation invites letters of intent from colleges and universities in the United States to fund a female scholar to conduct a research project on issues related to gender equity in education and/or economic security for women and girls.

CRITERIA: Proposals will be judged based on four criteria: quality of scholarship; potential impact of the project; cost sharing and budget; dissemination plan.

FUNDING: Each year, the Foundation awards a single grant of \$100,000 for a two-year research project.

AMERICAN FEDERATION FOR AGING RESEARCH

>2007 AFAR RESEARCH GRANTS

DUE: DEC 15

WRITE: Research Grants American Federation for Aging Research 70 West 40th Street, 11th Floor New York, NY 10018

WEB: <http://www.afar.org/grants.html>

E-MAIL: grants@afar.org

PHONE: 212/703-9977

FAX: 212/997-0330 The major goal of this program is to assist in the development of the careers of junior investigators committed to pursuing careers in the field of aging research.

ELIGIBILITY: A typical successful applicant will be serving in his or her first or second year of a junior faculty appointment. AFAR funds research projects concerned with understanding the basic mechanisms of aging. Projects investigating age-related diseases are also supported, especially if approached from the point of view of how basic aging processes may lead to these outcomes. Projects concerning mechanisms underlying common geriatric functional disorders are also encouraged, as long as these include connections to fundamental problems in the biology of aging. Projects that deal strictly with clinical problems such as the diagnosis and treatment of disease, health outcomes, or the social context of aging are not eligible.

FUNDING: It is anticipated that approximately 15 grants of up to \$60,000 each will be awarded in 2007. Candidates may propose to use the award over the course of one or two years as justified by the proposed research. Funds may not be requested for overhead or indirect costs. Funding will begin July 1, 2007.

BIBLIOGRAPHICAL SOCIETY OF AMERICA

>FELLOWSHIP PROGRAM

DUE: DEC 1

WRITE: BSA Executive Secretary P.O. Box 1537 Lenox Hill Station New York, NY 10021

WEB: <http://www.bibsocamer.org>

E-MAIL: bsa@bibsocamer.org

PHONE: 212/452-2710 The Bibliographical Society of America (BSA) invites applications for its annual short-term fellowship program, which supports bibliographical inquiry as well as research in the history of the book trades and in publishing history. Eligible topics may concentrate on books and documents in any field, but should focus on the book or manuscript (the physical object) as historical evidence. Such topics may include establishing a text or studying the history of book production, publication, distribution, collecting, or reading. Enumerative listings do not fall within the scope of this program.

ELIGIBILITY: The program is open to applicants of any nationality.

FUNDING: Fellows will be paid a stipend of up to \$2,000 per month in support of travel, living, and research expenses. BSA Fellowships may be held for one or two months.

CENTER FOR HELLENIC STUDIES

>JUNIOR FELLOWSHIPS IN ANCIENT GREEK STUDIES

DUE: OCT 15

WRITE: Junior Fellowships Center for Hellenic Studies 3100 Whitehaven Street, NW Washington, DC 20008

WEB: <http://www.chs.harvard.edu/fellowships.sec>

E-MAIL: CHS@fas.harvard.edu

PHONE: 202/745-4400

The next cycle of CHS Junior Fellowships in Ancient Greek Studies will be for the academic year September 2007- May 2008 (or for Fellows with school-age children, to the end of the school year in June).

ELIGIBILITY: Prerequisites for the Fellowships are a Ph.D. degree (or its equivalent) and professional competence in ancient Greek studies as documented by published work. The principal requirement of the application is a detailed research proposal (no more than three pages).

FUNDING: The Fellowship includes a stipend and free housing for the Fellows and their families, subsidized health insurance, and other benefits. The stipend (maximum \$26,000) is adjusted for individual circumstances, such as the number of dependents accompanying the Fellow and the amount of support from other sources. Additional support (up to \$1000) is available for professional travel and other research expenses. The Center will also assist with Fellows' travel expenses to and from Washington.

HAGLEY MUSEUM AND LIBRARY

>HAGLEY/WINTERTHUR FELLOWSHIPS IN ARTS & INDUSTRIES

DUE: DEC 1

WRITE: Hagley Museum and Library P.O. Box 3630 Wilmington, DE 19807

WEB: <http://www.hagley.lib.de.us/grants.html>

E-MAIL: info@hagley.org

PHONE: 302/658-2400

FAX: 302/655-3188

A cooperative program of short- to medium-term research fellowships for scholars interested in the historical and cultural relationships between economic life and the arts, including design architecture, crafts, and the fine arts. Fellows receive a stipend, make use of the rich research collections of both Winterthur Museum, Gardens and Library (www.winterthur.org) and the Hagley Museum and Library.

ELIGIBILITY: These fellowships are intended to support serious scholarly work. They are available to both degree candidates and senior scholars, as well as applicants without advanced degrees.

Applications are welcome from scholars and writers working independently as well as college and university teachers, librarians, archivists, museum curators, and scholars from fields other than the humanities. As much as possible, recipients should be prepared to devote their full time to the fellowship for the duration of their appointment. As centers for advanced study in the humanities, Hagley and Winterthur are focal points for a community of scholars. Fellows are expected to participate in seminars which meet at both institutions, as well as attend noontime colloquia, lectures, and other public programs offered during their research stay. Low cost accommodations may be available at both institutions.

FUNDING: Stipends are for a minimum of one month and a maximum of six months at no more than \$1,400 per month.

HUDSON RIVER FOUNDATION

>HUDSON RIVER IMPROVEMENT FUND

DUE: OCT 23

WRITE: Hudson River Foundation 17 Battery Place, Suite 915 New York, NY 10004

WEB: <http://www.hudsonriver.org/hrif/>

E-MAIL: info@hudsonriver.org

PHONE: 212/483-7667

FAX: 212/924-8325 In the fall of 1985, the Hudson River Foundation received \$1.5 million from the State of New York to create the Hudson River Improvement Fund. Originally this money was paid to the state to settle litigation concerning the out-of-state export of Hudson River water by oil tankers. Through the combined efforts of Hudson River environmental organizations, including Scenic Hudson, the Hudson River Sloop Clearwater, the Hudson River Fishermen's Association (now Riverkeeper) and the New York State Department of Environmental Conservation, the Improvement Fund was created to fund projects that promote the enhancement of public use and enjoyment of the natural, scenic and cultural resources of the Hudson River and its shores. The emphasis is on physical projects that require capital construction, development or improvement.

ELIGIBILITY: An applicant must be either a tax-exempt organization which qualifies under Section 501(c)(3) of the Internal Revenue Code or a governmental body, i.e., a federal, state or local entity or a subdivision thereof.

FUNDING: Approximately \$100,000 will be awarded in 2006. Requests for funding will undoubtedly be far greater than the funds available. Applicants are therefore encouraged to seek matching funds

and provide in-kind services whenever possible. The typical grant awarded by the Hudson River Improvement Fund is under \$10,000.

INSTITUTE FOR ADVANCED STUDY

>SCHOOL OF NATURAL SCIENCES POSTDOCTORALS

DUE: DEC 1

WRITE: Institute for Advanced Study Olden Lane Princeton, NJ 08540

WEB: <http://www.sns.ias.edu/>

E-MAIL: michelle@ias.edu

PHONE: 609/734-8119

The School of Natural Sciences includes seven permanent faculty and approximately fifty postdoctoral men and women working full time on frontier topics in astrophysics, theoretical biology, mathematical physics, particle physics, quantum theory, string theory, and classical and quantum gravity. The largest areas of current activity are in astrophysics and in mathematical physics and string theory. Members of the Institute are free to work on any problems in which they are interested. In any given year, some of the members will collaborate with each other, with relevant Institute faculty members, with members of the physics and astronomy faculties at Princeton University, or with scientists at other institutions. The research in mathematical physics and string theory benefits from a strong synergistic activity involving the School of Mathematics and the School of Natural Science. The Institute programs in physics and astronomy are closely integrated with the corresponding activities at Princeton University via joint seminars and lunches, as well as frequent informal contacts. Postdoctoral members are typically appointed for three years. For a few members of exceptional promise and scientific maturity, longer term (five year) memberships are available. A small number of senior scientists can usually be accommodated on sabbatical leave.

INTERNATIONAL RESEARCH & EXCHANGES BOARD

>INDIVIDUAL ADVANCED RESEARCH OPPORTUNITIES PROGRAM

DUE: NOV 15

WRITE: International Research & Exchanges Board 2121 K Street, NW Suite 700 Washington, DC 20037

WEB: <http://www.irex.org/programs/iaro/index.asp>

E-MAIL: iaro@irex.org

PHONE: 202/628-8188

FAX: 202/628-8189

IREX's IARO program seeks to attract, select, and support in-depth field research by US students, scholars and experts in policy-relevant subject areas related to Southeast Europe and Eurasia, as well as to disseminate knowledge about these regions to a wide network of constituents in the United States and abroad. The IARO Program provides fellows with the means and support necessary to conduct in-country research on contemporary political, economic, historical, or cultural developments relevant to US foreign policy. The IARO Program plays a vital role in supporting the emergence of a dedicated and knowledgeable cadre of US scholars and experts who can enrich the US understanding of developments in Southeast Europe and Eurasia.

ELIGIBILITY: Grants will be awarded in EACH of the four categories: (1) Master's Student IARO - must be enrolled in a Master's program during the grant period - grant duration: one to three months; (2) Predoctoral Student IARO - must be enrolled in a PhD program during the grant period - grant duration: two to nine months; (3) Professional IARO - must have one of the following degrees (MA, MS, MFA, MBA, MPA, MLIS, MPH, JD, MD) and must not currently be enrolled as a student - grant duration: two to nine months; (4) Postdoctoral Scholar IARO - must hold a PhD by the application deadline - grant duration: two to nine months. Eligible countries of research focus: Albania, Armenia, Azerbaijan, Belarus, Bosnia and Herzegovina, Bulgaria, Croatia, Georgia, Kazakhstan, Kyrgyzstan, Kosovo, Macedonia, Moldova, Romania, Russia, Serbia and Montenegro, Tajikistan, Turkmenistan, Ukraine, and Uzbekistan.

FUNDING: (a) International coach class round-trip transportation from the United States to the host country(ies) for the period of grant awarded; (b) A monthly allowance for housing and living expenses, based on IREX's pre-established country-specific rates (IREX will determine your housing amount at the time of your grant award, based on your city(ies) of placement); (c) Travel visas: IREX will pay for and assist with fellows' visas for travel related to the fellowship. Arrangement and costs associated with visas for dependents are the fellow's responsibility; (d) Emergency evacuation insurance. IREX does not provide health insurance.

SAMUEL H. KRESS FOUNDATION

>THE PRACTICE OF ART HISTORY AND CONSERVATION

DUE: anytime

WRITE: Lisa M. Ackerman, Vice President Samuel H. Kress Foundation 174 E. 80th Street New York, NY 10021

WEB: <http://www.kressfoundation.org/conserv.html>

E-MAIL: lisa@kressfoundation.org

PHONE: 212/861-4993

FAX: 212/628-3146

To improve and refine the practice of art history and conservation, the Kress Foundation offers grants that develop and utilize the skills and experience of trained professionals. Emphasis is placed on two program areas: (1) ESSENTIAL RESOURCES - Grants that support the means by which specialized knowledge is created and disseminated, including publications, archives, photography, documentation, databases, catalogues, technical and scientific studies and other materials that relate to art historical research and art conservation. (2) SHARING EXPERTISE - Grants for activities that permit art historians and conservators to share their expertise through international exchanges, professional meetings, conferences, symposia, consultations, the presentation of research, and other structured events.

MATHEMATICAL SCIENCES RESEARCH INSTITUTE

>POSTDOCTORAL FELLOWSHIPS

DUE: DEC 15

WRITE: Mathematical Sciences Research Institute 17 Gauss Way Berkeley, CA 94720-5070

WEB: http://www.msri.org/propapps/applications/application_material

E-MAIL: applications@msri.org

PHONE: 510/642-0143

FAX: 510/642-8609

These awards provide support for five months for the one-semester programs, and ten months for the full year program. If appropriate, offers may be made for the entire year. The "Statement of Purpose" is a critical document which must state clearly and specifically the relationship between the applicant's interests and the scientific objectives of the program. A generic "Plans for Future Research" will not suffice. MSRI expects semester Postdoctoral Fellows to be in residence for five months, and full-year Fellows for ten months. The application must address these issues: the scientific basis of a postdoctoral fellowship at MSRI; the duration of the fellowship sought, and what other support is anticipated for the year. MSRI may make several fellowship/intern awards together with Microsoft Research; these may be full-year awards. Applicants interested in these particular positions must so indicate, and discuss their own scientific interests in this context.

ELIGIBILITY: Postdoctoral Fellowships are intended for mathematicians with Ph.D.s awarded in 2002 or later. Some preference will be given to U.S. applicants. Preference is given to candidates applying to participate in a particular topical program, or candidates with some other specific scientific interest in being at MSRI.

FUNDING: The fellowship stipend is \$4,000 per month for the coming academic year, with an award for round-trip travel. Some awards may be made in non-programmatic areas, so applicants from candidates in all fields are welcome.

NATIONAL ACADEMY OF EDUCATION

>SPENCER FELLOWSHIP PROGRAM

DUE: NOV 10

WRITE: National Academy of Education 500 Fifth Street NW #1049 Washington, DC 20001

WEB: http://www.naeducation.org/NAEd_Spencer_Postdoctoral_Fellowship.html

E-MAIL: info@naeducation.org

PHONE: 202/334-2341

The National Academy of Education/Spencer Postdoctoral Fellowship Program supports early career scholars working in critical areas of education research. This nonresidential postdoctoral fellowship funds proposals that make significant scholarly contributions to the field of education. The program also develops the careers of its recipients through professional development activities involving National Academy of Education members.

ELIGIBILITY: Applicants must have received their PhD, EdD, or equivalent research degree between January 1, 2001, and December 31, 2006. Non-US citizens are welcome to apply.

FUNDING: Fellows will receive \$55,000 for one academic year of research, or \$27,500 for each of two contiguous years, working half-time. Fellowships must begin during the 2007-2008 academic year. Up to twenty postdoctoral fellowships will be awarded in 2007.

SCHOMBURG CENTER FOR RESEARCH IN BLACK CULTURE

>SCHOLARS-IN-RESIDENCE PROGRAM

DUE: DEC 1

WRITE: Scholars-in-Residence Program Schomburg Center for Research in Black Culture, NY Public Library 515 Malcolm X Boulevard New York, NY 10037-1801

WEB: <http://www.nypl.org/research/sc/scholars/index.html>

PHONE: 212/491-2200

The Schomburg Center residency program assists scholars and professionals whose research on the black experience can benefit from extended access to the Center's resources. Fellowships funded by the Center will allow recipients to spend six months or a year in residence with access to resources at the Schomburg Center and other research units of The New York Public Library. The Scholars-in-Residence Program is designed to (1) encourage research and writing on the history, literature, and cultures of the peoples of Africa and the African diaspora, (2) to promote and facilitate interaction among the participants including fellows funded by other sources, and (3) to facilitate the dissemination of the researchers' findings through lectures, publications, and the ongoing Schomburg Center Colloquium and Seminar Series.

ELIGIBILITY: The Fellowship Program is open to scholars studying the history, literature, and culture of peoples of African descent from a humanistic perspective and to professionals in fields related to the Schomburg Center's collections and program activities. Projects in the social sciences, science and technology, psychology, education, and religion are eligible if they utilize a humanistic approach and contribute to humanistic knowledge.

FUNDING: Fellowships are awarded for continuous periods of six or twelve months at the Schomburg Center with maximum stipends of \$25,000 for six months and \$50,000 for twelve months. Fellows must devote full time to their research projects.

SPENCER FOUNDATION

>RESEARCH GRANTS

DUE: anytime

WRITE: Research Grants The Spencer Foundation 625 North Michigan Ave. Suite 1600 Chicago, IL 60611

WEB: http://www.spencer.org/programs/grants/research_grants.htm

E-MAIL: abrinkman@spencer.org

PHONE: 312/274-6511

The Spencer Foundation provides funding for investigations that promise to yield new knowledge about education in the United States or abroad. The Foundation funds research grants that range in size from smaller grants that can be completed within a year, to larger, multi-year endeavors. Whereas in the past the Foundation had two distinct research grant programs based on budget size, these have now been reorganized around the current areas of interest: (a) The Relation between Education and Social Opportunity; (b) Organizational Learning in Schools, School Systems, and Higher Education Institutions; (c) Teaching, Learning, and Instructional Resources; and (d) Purposes and Values of Education.

ELIGIBILITY: Principal Investigators applying for a Research Grant must be affiliated with a school district, a college or university, a research facility, or a cultural institution. The Foundation accepts proposals from institutions and/or researchers from the U.S. and internationally. Researchers must also have an earned doctorate in an academic discipline or professional field or appropriate experience in an education-related profession.

FUNDING: Research grants can range from less than \$5,000 to slightly more than \$400,000.

SOCIETY FOR RESEARCH IN CHILD DEVELOPMENT

>POLICY FELLOWSHIPS

DUE: DEC 15

WRITE: Director SRCD Office for Policy & Communications 750 First Street, NE Washington, DC 20002-4242

WEB: <http://www.srcd.org/policyfellowships.html>

E-MAIL: abrowning@srcd.org

PHONE: 202/336-5926

SRCD is seeking applications for the upcoming Policy Fellowships for a 2006-2007 term. There are currently two types of Fellowships: Congressional and Executive Branch. Both Fellowships provide exciting opportunities for researchers to come to Washington, DC and use developmental science outside of the academic setting to inform public policy. The goals of the fellowships are: (1) to contribute to the effective use of scientific knowledge about child development in the formation of public policy; (2) to educate the scientific community about the development of public policy; and (3) to establish a more effective liaison between developmental scientists and the Federal policy-making mechanisms.

ELIGIBILITY: These fellowships are open to doctoral scientists from any discipline relevant to child development, and both early and mid-career professionals are encouraged to apply.

WITTER BYNNER FOUNDATION FOR POETRY, INC.

>GRANTS

DUE: DEC 1, letter of intent

WRITE: Witter Bynner Foundation for Poetry P.O. Box 10169 Santa Fe, NM 87504

WEB: <http://www.bynnerfoundation.org/>

E-MAIL: info@bynnerfoundation.org

PHONE: 505/988-3251

FAX: 505/986-8222

Through a bequest from Witter Bynner in 1972, The Witter Bynner Foundation for Poetry perpetuates the art of poetry. The foundation promotes poetry in American culture and encourages grant proposals that expand awareness of the positive effects of poetry on society.

ELIGIBILITY: Grant support is provided to non-profit, tax exempt organizations. **FUNDING:** Organizations may apply for grant support from \$1,000 to \$10,000 for a maximum of three years. The foundation does not support indirect costs for grant administration, endowment funds, capital improvements, or general operating expenses.

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: 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.

NEWS

UNIVERSITY OF MISSOURI NEWS

- UM Technology Transfer Report, FY 2001 through FY 2006
- Research Foundation to Help Move UM Inventions to Marketplace
- UM-St. Louis Faculty Start-Up Company Honored for Work on Prevention of Cervical Cancer
- UMSL's International Business Program Ranked 8th by U.S. News & World Report

OTHER NEWS OF INTEREST

- Brazilian and U.S. Companies Developing Airplane Biofuel
- Patient-specific Cancer Treatment Created
- China Calls AIDS Vaccine "Effective" in Early Test
- Congress Boosts Development Funding, but Federal Research Still Headed Down in 2007
- USPTO Releases For Public Comment DRAFT Five-Year Roadmap for IP Protection and Policy

UM Technology Transfer Annual Report, FY 2001 Through 2006

	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006
Invention Disclosures Filed						
MU	32	40	40	56	62	59
UMKC	7	8	4	11	5	7
UMR	12	19	14	24	17	35
UMSL	1	4	1	3	8	6
TOTAL	52	71	59	94	92	107
Patent Applications Filed (all types)						
MU	36	39	23	40	40	42
UMKC	3	5	3	8	7	5
UMR	4	7	17	13	13	14
UMSL	0	2	2	2	2	5
TOTAL	43	53	45	63	62	66
US Patents Issued						
MU	11	12	8	19	8	6
UMKC	0	0	1	3	1	0
UMR	0	5	1	6	4	2
UMSL	0	0	0	1	0	1
TOTAL	11	17	10	29	13	9
Licenses/Options Signed						
MU	9	8	10	9	4	5
UMKC	0	1	0	1	0	2
UMR	1	2	0	9	4	7
UMSL	3	2	1	1	0	4
TOTAL	13	13	11	20	8	18
Licensing Income to University						
MU	\$3,883,319	\$1,639,310	\$2,899,458	\$2,513,172	\$8,985,755	\$2,085,803
UMKC	0	0	0	0	0	0
UMR	\$11,179	\$99,930	\$55,986	\$81,994	\$96,1532	\$186,150
UMSL	0	0	0	0	\$63,518	\$99,334
TOTAL	\$3,894,498	\$1,739,240	\$2,955,444	\$2,595,166	\$9,145,425	\$2,371,287

Research Foundation to Help Move UM Inventions to Marketplace

From the University of Missouri "Spectrum"

August 2006, Vol. 33, No. 4

On the Web: <http://www.umsystem.edu/ums/departments/ur/spectrum>

With the establishment of a new research foundation, the University of Missouri aims to improve its ability to form start-up companies from University technologies. At its July 21 meeting in Kansas City, the University of Missouri Board of Curators authorized President Elson S. Floyd to establish a University-affiliated, non-profit foundation.

The process of technology transfer, or moving technologies from the University to the marketplace, is currently administered through a network of decentralized offices on each campus. Central policy, legal, accounting and database support is provided by the system.

When faculty members disclose their inventions to the University, there are three potential outcomes: 1) ownership is waived by the University and returned to the faculty member; 2) the intellectual property is protected, marketed and a licensing agreement occurs with an existing firm; or 3) the new technology creates the opportunity for a new business.

The research foundation comes into play with the third outcome. The University has reached a point where a foundation is needed to "focus its attention on nurturing those ideas that can become a business," said John Gardner, UM Vice President for Research and Economic Development.

The foundation's purpose is to encourage and potentially sponsor University scientific investigations, in cooperation with the private sector, to establish new firms that utilize University research.

"The foundation is one more tool to help the University spawn businesses as well as technologies," Gardner said. It also could prove to be a valuable tool in stimulating Missouri's economic growth.

In addition, the foundation will identify and manage any risks and conflict of interests that may occur between the University's economic development mission and that of teaching, research and service.

The foundation also would pursue research, development and marketing in those instances where it would be in the best interest of the University not to be involved on a daily basis, such as in some international business.

Governance and oversight will be provided by a board, with the UM President serving as chair. The Vice President for Research and Economic Development will act as the operating officer.

Any proceeds from the foundation would be dedicated to further supporting the research and economic development mission of the University.

"Combined with a community of interested and willing investors, professionals, and management expertise, the University of Missouri is stepping up to help create an innovation-based economy for Missouri's future," Gardner said. ●

UM-St. Louis Faculty Start-Up Company Honored for Work on Prevention of Cervical Cancer

Two scientists from the University of Missouri-St. Louis and NanoVir LLC, a Kalamazoo, Mich.-based biotechnology company, have been honored with a Tibbetts award in recognition for their work in identifying a potential treatment to fight the virus that causes cervical cancer. NanoVir was nominated for the national award by UM-St. Louis.

James Bashkin and Chris Fisher have been seeking antiviral compounds that specifically target human papillomavirus (HPV) 16, the viral type most often associated with cervical cancer, the second leading killer of women by cancer worldwide. Targeting the DNA of HPV rather than more traditional antiviral targets, the scientists identified a series of compounds that dramatically reduce the viral DNA load of cells harboring the virus.

"I'm excited to have NanoVir recognized by such a prestigious award from the Small Business Technology Council. NanoVir's excellent progress toward treatments for human papillomavirus can be

directly attributed to our funding from the National Institute of Allergy and Infectious Diseases," said Fisher, co-founder of NanoVir and lead biologist on the project.

"I also must acknowledge the support and entrepreneurial spirit of the Kalamazoo community, including Southwest Michigan First and Western Michigan University, as well as the University of Missouri-St. Louis."

About the Tibbetts Award

The Tibbetts Award is given annually by the Small Business Innovation Research program of the U.S. Small Business Administration to small firms, projects, organizations and individuals judged to exemplify the very best in SBIR achievement. Fisher and Bashkin will receive the award at a ceremony in Washington, D.C., in September.

"It is a great honor to receive the Tibbetts award," said James Bashkin, co-founder of NanoVir and associate research professor of chemistry and biochemistry at UMSL. "I am extremely grateful to our co-workers and colleagues at the Southwest Michigan Innovation Center and the chemistry department at the University of Missouri-St. Louis. Without their contributions, we would not have made such dramatic progress with anti-HPV drug candidates."

There currently are few antiviral treatments for HPV, the primary cause of a positive Pap smear and the virus that causes more than half the deaths attributed to cervical cancer.

In laboratory tests, the scientists compared their experimental compounds to two other drugs used to treat persistent HPV infections; in both cases the NanoVir compounds outperformed alternative treatments.

According to Bashkin, who also served as lead chemist on the project, knowledge of Merck's new vaccine makes it easier to communicate the impact of NanoVir's antiviral agents.

"Our treatment is designed to fight HPV infections and prevent cervical cancer for those who already have the virus. The fact that our approach is completely complementary to vaccines is quite clear to physicians and potential investors, which augers well for our future," he said.

About NanoVir, LLC

NanoVir is a biotechnology company that utilizes novel chemical and biological approaches to develop DNA-targeted therapies for treatment of disease. NanoVir was founded by Fisher and Bashkin in 2003. ●

UMSL's International Business Program Ranked 8th by U.S. News & World Report

The International Business Program at the University of Missouri-St. Louis achieved its highest ranking in U.S. News & World Report's list of best undergraduate international business programs.

The eighth place ranking for 2007 marks the fourth consecutive year in which the program has been listed in the magazine's top 20. The rankings were released today.

Allan Bird, director of the International Business Program at UMSL, said it's an honor for the young program to receive the ongoing recognition.

"We've seen a good amount of growth in the program over the last several years," Bird said. "Through our efforts, the program's reputation continues to soar throughout the community, and this ranking is valuation of those efforts."

UMSL's College of Business Administration strives to enrich and improve its offerings each year, said Keith Womer, the college's dean.

"This year the college has hired eight new faculty members, who were attracted to the university in part because of the program's continuous ranking," Womer said. "As part of our ongoing mission, we are constantly looking at ways to improve upon the program."

UMSL's International Business Program began in 1999 as a collaboration between the College of Business Administration and Pierre Laclède Honors College at UMSL.

Program highlights include:

- More than 70 study-abroad programs are available in more than 40 countries. In addition, the program has a large contingent of students from China, Japan, Europe, Latin America and India.
- Annual study tours have led student groups to locales around the world.
- American students have interned at the overseas offices of companies such as Japan Airlines, Emerson Electric and General Motors. Foreign students have interned in the St. Louis area at companies like Anheuser-Busch Cos. Inc. and Monsanto Co.

As a component of the top-ranking program, UMSL launched the International Master's of Business Administration program last year, and this week 25 international students arrived on campus to begin their second year of the program.

The MBA program created partnerships with international universities and gives students enrolled in the two-year graduate program the opportunity to spend their first two semesters studying abroad. They spend the following summer interning in the same country, and then return to UMSL in the fall for a year.

To learn more about the International Business Program at UMSL, visit the College of Business Administration's Web site at www.umsl.edu/divisions/business. ●

Brazilian and U.S. Companies Developing Airplane Biofuel

August 28, 2006

SAO PAULO, Brazil (Reuters) - Brazilian biofuel company, Tecbio, has linked up with NASA and U.S. aerospace firm Boeing to develop a biokerosene aviation fuel, Tecbio's President Expedito Parente told a seminar on Monday.

The alternative vegetable-oils based fuel to power airplanes was invented by Tecbio in 1980 and flight tested in Brazil in 1984 before being abandoned. It attracted fresh interest after oil prices rose to record levels this year.

"We are starting to resurrect biokerosene ... the scenario today is different," Parente said, adding that the partnership with the U.S. National Aeronautics and Space Administration (NASA) and Boeing was still at an early stage.

A memorandum of understanding was signed earlier this month.

Parente told the seminar in Sao Paulo that he expected to get the fuel patented in 2008.

Based in Fortaleza, capital of the northeastern state of Ceara, Tecbio has a biofuel project in the state of Piaui, also in northeast Brazil.

Tecbio, Brazil's largest biodiesel technology company, is implementing six projects and seeking funding for another four. ●

Patient-specific Cancer Treatment Created

August 28, 2006

URBANA, Ill., (UPI) -- U.S. scientists have found a way to make some cancer cells self-destruct by using the molecule caspase-3 to initiate cell death.

Caspase-3 normally exists as a proenzyme, meaning further processing is required to make the final, active enzyme, the researchers said. That processing is normally performed by other caspases and serves as a signal that something has gone wrong with a cell and cell death or 'apoptosis' is desired. Paul Hergenrother and colleagues at the University of Illinois-Urbana say they've used the synthetic compound PAC-1 to trick procaspase-3 into processing itself, generating caspase-3 and causing cell death. They demonstrated, in a variety of cancer cell types, that cell death is correlated with the amount of procaspase-3 present in the cells, with more procaspase-3 resulting in cell death at lower concentrations of PAC-1, while healthy cells remain unaffected.

The researchers say the variability of procaspase-3 levels in the cell lines means some patients would be more responsive to such therapy than others. As such, they say their finding potentially offers a novel opportunity for individualized cancer therapy.

The study appears in the journal Nature Chemical Biology. ●

China Calls AIDS Vaccine "Effective" in Early Test

By Allen T. Cheng

Bloomberg News

August 22, 2006

Online at: <http://www.philly.com/mld/philly/living/health/15328688.htm>

China's government said its first human trial of an AIDS vaccine showed it was effective in protecting against the HIV-1 virus and did not produce any serious side effects among 49 volunteers who received it.

All participants showed signs they had "become immune against the HIV-1 virus" after it had been administered for 15 days, the State Food and Drug Administration said in a statement on its Web site during the weekend.

"Initial trials of this vaccine show that it is clearly effective," the regulator said. "However, we need to push forward with more clinical trials in order to make sure that this vaccine can be used widely." China is adding 70,000 HIV-AIDS cases a year, and the epidemic may worsen as the number of sexually transmitted infections increases, according to a study released in January by United Nations AIDS, the World Health Organization, and China's Health Ministry. About 25,000 Chinese died of HIV-AIDS last year, the study said.

Researchers have estimated development of a safe, effective vaccine is at least 10 years away. None of the people involved in the test program had shown any "ill effects" after a 180-day monitoring period, the regulator said in its statement.

"If this was proven to be effective, it would be a massive step forward in the combat against AIDS," said Robert Pollard, China managing director for Synovate Health Care, a market research firm. The vaccine has been under development since 2003 and was part of China's national science "863 project," the regulator said. Second-phase trials may involve as many as 300 volunteers, while 500 people may take part in a third phase, China's state-run Xinhua news agency reported. ●

Congress Boosts Development Funding, but Federal Research Still Headed Down in 2007

AAAS R&D Funding Update

August 9, 2006

Before leaving Washington for a month-long summer recess, Congress brought large proposed increases for select physical sciences funding agencies in the President's American Competitiveness Initiative (ACI) closer to reality, and supported Administration plans to boost development investments for new spacecraft and weapons technologies. But although Congress would add money to proposed cuts in some basic and applied research programs, the federal investment in basic and applied research would still decline in fiscal year (FY) 2007 under separate House and Senate plans that must be reconciled in the fall. On the flip side of the ACI increases, Congress is still on track to keep the National Institutes of Health (NIH) budget flat or declining for the second year in a row, to slash homeland security R&D funding for the first time, and to make steep cuts in other federal research portfolios.

The [August Summary Report on R&D in FY 2007 Appropriations](#) provides an update of federal R&D in FY 2007 congressional appropriations so far. ●

USPTO Releases For Public Comment DRAFT Five-Year Roadmap for IP Protection and Policy
High Quality, Timely U.S. Patent and Trademark Reviews Head List of Objectives for Fostering American Innovation and Competitiveness

On August 24, 2006, the Department of Commerce's United States Patent and Trademark Office (USPTO) released for public comment a draft five-year strategic plan designed to foster American innovation and competitiveness at home and around the globe. The draft plan, for which public comment - including suggestions, questions, and other input - is being solicited, identifies quality and timeliness of the patent and trademark review processes as primary goals for the plan that will guide the agency from 2007 through 2012. ●

>> [Read full story: http://www.uspto.gov/main/homepagenews/bak2006aug28.htm](http://www.uspto.gov/main/homepagenews/bak2006aug28.htm)

A copy of the USPTO's draft proposed five-year strategic plan can be found at <http://www.uspto.gov/web/offices/com/strat2007/>.

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