

Spirit of INNOVATION

UM-St. Louis Research & Commercialization News

University of Missouri-St. Louis, Office of Research Administration Newsletter
February 2005 ■ Volume IV ■ Number 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. 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).

Spirit of Innovation newsletter note: Thank you for your feedback on our new newsletter design and format, which was overwhelmingly positive. Beginning this month, we will offer both this HTML version and a downloadable PDF version for your convenience. Please send any comments or questions to Tamara Kratochvil at kratochvilt@umsl.edu.

■ Awards

Recent Externally Funded Awards — January 2005

James K. Bashkin, Chemistry, awarded \$123,240 for "DNA Binding Compounds for Treatment of Human Papillomavirus 18 (HPV 18)" by NANO VIR, LLC

Elisha Anne Chambers, Education Psychology; **Shirley Lynn Porterfield**, Social Work; **Margaret S. Sherraden**, Continuing Education & Outreach; and **Mary Suiter**, Continuing Education & Outreach, awarded \$25,000 for "I Can Save: The Impact of a Primary School-Based Savings Program on Achievement, Efficacy, Educational Engagement, and Future Orientation" by the National Council on Economic Education

Peter Herwig Handel, Physics and Astronomy, awarded \$82,000 for "Fundamental Limits on Noise in Electronic Devices and Systems" by the Army Research Office

David N. Klostermann, Continuing Education & Outreach, awarded \$55,383 for "Small Business Development Center - University of Missouri St. Louis" by the U.S. Small Business Administration

Bette A. Loiselle, **John G. Blake** and **Patricia G. Parker**, Biology, awarded \$125,205 for "A Comparative Study of Manakins at Leks: Consequences for Variance in Mating Success and Population Genetics" by the National Science Foundation Division of Integrative Organismal Biology (formerly the Division of Integrative Biology and Neuroscience)

James J. O'Brien, Chemistry, awarded \$80,000 for "Methane and Ammonia Absorption Spectra in the 600-1000 nm Region: Absorption Coefficients obtained at High-Resolution as a Function of Temperature down to below the Melting Points (down to 77 K for Methane)" from the National Aeronautics and Space Administration (NASA)

William B. Simon, Office of Research Administration, awarded \$2,483 for "NASA Technology Transfer" from Texas A&M University

Christopher Spilling, Chemistry, awarded \$7,600 for "MTA Testing of Compounds for Agricultural and Horticultural Crop Protection Agents" from E.I. duPont deNemours and Co., Inc.

Mark Tranel, Public Policy Research Centers, awarded \$50,000 for "Success by Six Evaluation/Early Childhood Care and Education" by the United Way of Greater St. Louis

Mary Ellen (Mel) Watkin, Public Policy Research Centers, awarded \$1,000 for "Arts & Education Photo Project" from the Arts and Education Council of Greater St. Louis

Patricia Wente, KWMU FM Radio, awarded \$71,000 for "Public Telecommunications Facilities Program" by the Department of Commerce

Erwin Wong, College of Optometry, awarded \$99,566 for "Extrastriate Visual Cortex Deficits in Amblyopia" by the NIH National Eye Institute

TOTAL: \$722,477

News

- Governor Would Veto Legislative Ban on Somatic Cell Nuclear Transfer
- Council on Competitiveness Studies St. Louis Innovation Capabilities
- The Triumph of the Commons: Can open source revolutionize biotech?
- Pain Relief for America's Drug Regulator
- Tech Transfer Corner: A 'Paradigm Shift' for Tech Transfer

Governor Would Veto Legislative Ban on Somatic Cell Nuclear Transfer

Excerpted from article entitled "Some Link State Appointment to Power of Social Issues" by Jo Mannies of the St. Louis Post-Dispatch, February 21, 2005

(There is a) pressure-cooker atmosphere surrounding the current hot fight in Jefferson City over the bill to ban stem cell research using cloning technology. Specifically, the Republican-sponsored measure would prohibit a process called somatic cell nuclear transfer, or therapeutic cloning.

The process involves removing the nucleus of an unfertilized human egg and replacing it with the nucleus of an ordinary human cell. After the egg is stimulated, it divides into a cluster of cells from which stem cells are harvested.

Missouri Right to Life is among the critics who say the process produces human life. Passing the ban is their top priority this session. Supporters say the cells can't create a human being but could create other medical breakthroughs. They also assert that the research ban could cripple a budding biotechnology industry in St. Louis and Kansas City.

Blunt sides with the supporters of the process and reaffirmed Saturday that he would veto such a ban if it passes the Legislature and lands on his desk.

He's backed up by Lt. Gov. Peter Kinder, a fellow Republican who presides over the state Senate. "At this time, I'm not ready to ban somatic cell nuclear transfer," Kinder said.

The bill won the approval of a Senate panel last week. The word among legislators is that if it passes the Senate, it's likely to sail through the House and get to Blunt. It's up to Senate opponents like Kinder to prevent that from happening.

"I have slowed down the bill the last two years," said Kinder, referring to his earlier stint as the Senate's president pro tem. Kinder added that his stance had "strained a little" his long-standing alliance with many anti-abortion groups.

Sam Lee, head of Campaign Life Missouri, an anti-abortion lobbying group that backs the ban, says, "The cloning issue is separating the true pro-life Republicans from the politically pro-life Republicans. It is coming down to a battle within the party over which will take precedence, money or moral values."

Right to Life (http://www.missourilife.org/news/2005/cloning_day.htm) and the Missouri Catholic Conference, among others, will send buses of ban supporters to the state Capitol on March 8 to lobby legislators. ■

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The Missouri Coalition for Lifesaving Cures was founded to oppose legislation that bans Somatic Cell Nuclear Transfer and is organizing a group of ban opponents to go to Jefferson City (March 2) to lobby legislators. Visit <http://www.MissouriCures.com> for more information on the organization and SCNT.

Council on Competitiveness Studies St. Louis Innovation Capabilities, Presents Findings at Summit

The St. Louis Competitiveness Summit was held Thursday, February 17, at the Chase Park Plaza. This forum presented critical insights from a six-month study conducted by the U.S. Council on Competitiveness, funded by the Economic Development Administration (EDA) of the U.S. Department of Commerce, about the St. Louis region's overall economic competitiveness and innovation capacity. Summit participants helped develop an action plan to address areas critical to driving future regional economic prosperity through various discussion groups.

Three critical issues were discussed in depth at the Summit: *fostering our entrepreneurial culture; building stronger industry-university partnerships; and promoting our regional image*. For each issue, national experts addressed the audience and participated with local leaders in a breakout session to discuss potential community responses.

Dr. David Sampson, Assistant Secretary of the EDA, and Deborah Wince-Smith, President of the U.S. Council on Competitiveness, provided the St. Louis regional findings to participants. Some of their findings included:

- The St. Louis region has strong innovation assets – enough to compete in a global economy
- Where weaknesses exist in the local innovation ecosystem, programs are frequently being implemented to address them
- The biggest ongoing challenge is a regional business culture that does not strongly support risk-taking and entrepreneurship
- Overall Quality of Life rated as a highly positive aspect of the St. Louis Region
- Cost of living for employees in also an advantage over other regions
- Impact of government regulations and permitting perceived as a negative
- Level of taxation in STL is rated less harmful than in other regions
- Cost of doing business in STL is a relative advantage over other regions
- St. Louis region offers relatively low appreciation for entrepreneurial efforts
- St. Louis Region lags in tolerance/inclusiveness

The regional study concluded that St. Louis can become a leader in innovation and substantially strengthen the regional economy by:

- Building an Entrepreneurial Environment – Focus on a more entrepreneurial culture
- Better Leveraging Business-University Ties – Greater Collaboration–Increased Research
- Strengthening Regional Image – Tell the true, positive St. Louis story – internally and externally

The Council on Competitiveness' research was guided by a local Steering Committee of business, education and civic leaders under the leadership of Washington University Chancellor and St. Louis Regional Chamber & Growth Association (RCGA) Board member Dr. Mark Wrighton and Commerce Bancshares Chairman, President & Chief Executive Officer David Kemper. Chancellor Tom George is a founding member of the local Steering Committee populated by leaders from Pfizer, Tyco Healthcare/Mallinckrodt, Monsanto Company, Sigma-Aldrich, The Boeing Company, RiverVest Venture Partners, Ameren Corporation, Schnuck Markets, and Stereotaxis, among many others. This regional project was part of a national initiative spearheaded by the Council on Competitiveness (www.compete.org) and the U.S. Department of Commerce's Economic Development Administration. St. Louis was one of six regions across the nation selected to generate and apply new innovations that will foster economic growth and wealth creation. ■

*The University of Missouri-St. Louis recently joined the **Council on Competitiveness**, a non-partisan, not-for-profit*

organization whose members are corporate chief executives, university presidents and labor leaders. The Council helps shape the national debate on competitiveness by concentrating on a few vital issues, including national and regional innovation, competitiveness and security, globalization and benchmarking of U.S. performance against other countries. For more information, visit <http://www.compete.org>.

The RCGA is the chamber of commerce and economic development organization for the 16-county, bi-state region. With nearly 4,000 member companies, RCGA members constitute 40% of the regional work force. The mission of the RCGA is to unite the region's business community, and to engage dynamic business and civic leadership to develop and sustain a world-class economy and community.

The Triumph of the Commons: Can open source revolutionize biotech?

From *Economist.com*, February 10, 2005

The computing industry has been transformed by open-source software, threatening business models while creating lucrative opportunities for some firms. Might the same happen in biotechnology? In a paper published in *NATURE* on February 10, a group of researchers describe a way to transfer genes into plants that bypasses the now most commonly used technique, agrobacterium transformation, which is protected by hundreds of patents. The new process may provide an alternative method of modifying certain types of crops in order to, say, improve harvests.

But what makes the invention particularly notable is that the authors, affiliated with CAMBIA, a non-profit biotech research group in Australia, have made the procedure free for use under a novel "open-source" license.

This license allows people to commercialize products based on the procedure. All that is required is that improvements to the technique itself be shared, to the benefit of all users. This should make it easier for companies and researchers in poor countries to use agricultural gene-transfer technology, which today's patent-licensing approach impedes.

"The idea is to try to craft a system so that we have a different way to do business," says Richard Jefferson, the head of CAMBIA and a co-author of the paper. "This is a demonstration of a way forward for an innovation business model," he says, which could help unleash creativity in poorer countries. This week, the group also unveiled a web site, BioForge.net[1], to help biotech researchers to collaborate, much as SourceForge.net[2] is a nexus for open-source software development.

Although open-source approaches have already been used in biotech-related computing (called bioinformatics) and database sharing, CAMBIA's license represents an actual technique being provided in an open-source form. It is part of a broader push towards open practices in the life sciences. For example, Science Commons, an offshoot of Creative Commons (which provides less restrictive copyright licenses to authors), is preparing to develop open licenses later this year.

CAMBIA's technique, and its open-source license, "is a potentially huge deal for people working in minor crops, on humanitarian projects, and even for smaller companies working with the major crops," says Lisa Lorenzen of Iowa State University. Calestous Juma of Harvard University's Kennedy School of Government believes the approach is viable because "you have the incentive to invent, but you also have the raw materials--information--with which to invent."

The dominant patent holder in agrobacterium transformation, the most widely-used means of plant gene-transfer, is Monsanto, a big agricultural firm. The firm says that, although it is not very familiar with open-source approaches in the life sciences, the technology seems to complement, not threaten, its business model.

In information technology, some firms, including mighty Microsoft, are severely threatened by open source. Yet other firms, including big ones such as IBM, have evolved business models to embrace open source, which contributes greatly to their revenues. The question is, can open-source biotech also find its way into drug development, where the costs are higher and potential profits greater?

Pedants will note that CAMBIA's approach is not pure open source, since the group relied on grants from foundations to develop the technology rather than on volunteers. Moreover, the license itself is not completely unique, in that royalty-free, non-exclusive technology agreements that stipulate sharing improvements have existed before. But these are quibbles. The open-source-like approach may not revolutionize the biotech industry, but it is a notable step in a new direction. ■

Pain Relief for America's Drug Regulator

From Economist.com, February 17, 2005

The past few months have not been easy for America's Food and Drug Administration (FDA). The worldwide withdrawal of Vioxx, a blockbuster anti-inflammatory drug, by Merck, its manufacturer, has left the FDA open to attack for doing too little, too late given mounting evidence that the product raises the risk of heart attacks. David Graham, one of its own officials, publicly accused the agency of being more interested in getting new drugs to market than scrutinizing their safety after the fact. "The FDA has let the American people down and, sadly, betrayed a public trust," he told Congress in November. The FDA--which this week has been holding a marathon advisory committee meeting on the risks and benefits of Vioxx and other COX-2 inhibitors--faces further scrutiny as various congressional committees take up the issue of drug safety.

Slowly, the Bush administration is responding to the criticism. On February 15, Michael Leavitt, the new secretary of health and human services, announced the establishment of an "independent" Drug Safety Oversight Board within the FDA. This will routinely review emerging evidence about the safety of drugs that are already on the market, and make recommendations based on this information. It will also introduce new ways of communicating information about drug safety to the public.

The board will bring together officials from the FDA's existing divisions in charge of new drug approvals and drug safety, plus some outside experts.

This is less than some politicians and public-health activists want: an entirely separate, and thus (they argue) truly independent, office of drug safety, well-funded and beyond the reach of the FDA's drug-approval branch (which they regard as too eager, and potentially tempted to downplay any evidence that its own approval decisions were mistaken). Others disagree. Pushing the FDA to weigh safety more heavily than benefit may already be a move too far, says Henry Miller, a former FDA official now at the Hoover Institution, a think-tank. Any slowdown in the approval of more innovative, but riskier, new medicines could, on balance, do Americans more harm than good, he claims.

The FDA this week also got (probably) a new head, albeit a familiar one: Lester Crawford, a former deputy commissioner and acting head of the agency since last year, has been nominated as the next permanent commissioner. He is likely to get the green light in Senate confirmation hearings. And he should be good news for the drug industry, says Rami Armon of Lehman Brothers, an investment bank. The industry wants a safe pair of hands to implement gradual reform of the FDA, not radical remodeling. But some observers fear that Crawford, a veterinary expert, lacks the right experience or personality to handle negotiations with the big drug firms. "The FDA needs a firebrand, not a smoldering hulk," says Miller. ■

Spotlight

Center for Emerging Technologies



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Incubator provides foundation for expanding entrepreneurial culture within the University and throughout the region

The Center for Emerging Technologies, developed in 1995 by UM-St. Louis and the State of Missouri to accelerate growth of advanced technology companies, accelerates the development of entrepreneurs within the University and throughout the region.

Located in mid-town St. Louis, the CET is a not-for-profit life science incubator and accelerator with 92,000 square feet of R&D space that was established as one of several Missouri innovation centers by the state's Department of Economic Development. The DED contracts through the University of Missouri-St. Louis for management of the Center, and CET



Bill Simon, Vice President and COO, Center for Emerging Technologies

Spring Training Events at the CET

This spring there will be seven Wednesday afternoon sessions (2 to 5 p.m. plus a happy hour) targeted at tech entrepreneurs and professional service providers. The first five sessions will cover Intellectual Property

staff are employees of the University.

Currently, 13 start-up companies are housed at the Center for Emerging Technologies, filling 80 percent of Building One and 100 percent of Building Two.

Beyond the services provided to the companies by the CET, whether business development or common facility space, entrepreneurs often find significant value in "breathing the same air as other entrepreneurs," says Bill Simon, Vice President and Chief Operating Officer -- being part of a peer group that is by its nature entrepreneurial, and being able to have easy access to business people facing similar struggles.

WHAT MAKES THE CET UNIQUE

Across the nation and even in St. Louis, there are other life science incubators, many with strong university ties. But the Center for Emerging Technologies has distinguished itself by being a driver of regional knowledge-based economic development with its involvement in various regional development initiatives and by providing specialized entrepreneurial training.

"We provide narrowly focused training for anyone interested in starting a company," says Simon, who is in charge of operations, construction projects, finance and training at the CET. "We target two audiences -- technology entrepreneurs and attorneys." He explained that service providers need to know as much about the life science start-up issues as the entrepreneurs so they can target their services to start-up needs.

One series of training sessions offered by the CET is the "Expanded Technology Entrepreneur Education Programs (ETEPEP)," which cover topics such as transactional issues, patenting, partnering with inventors, valuation, the life cycle of funding early stage biomedical/medical device companies, and more.

"The training sessions are combination business and social events" that include a networking reception, Simon says. "The social portion is sometimes the most valuable." He has been able to introduce start-up and university scientists at the networking receptions who wouldn't normally cross paths but who can quickly help each other through research problems.

Much as the Center for Emerging Technologies is recognized as one of the best life science incubators in the nation, both by the U.S. Department of Commerce and several trade associations including the National Business Incubation Association, the ETEPEP training series has been recognized as high quality. The National Science Foundation reviewed the program and noted that it was an "exemplary example" of this kind of training, and that it is rare to find such a tight focus in programs such as this. ETEPEP is sponsored by the Monsanto Fund.

The CET also produces an annual SBIR/STTR two-day workshop to help entrepreneurs navigate the grant-writing

(IP).

Location: [Center for Emerging Technologies](#)

4041 Forest Park Ave, St. Louis, MO 63108

More Information: Contact Bill Simon at 314/615-6908 or

bsimon@emergingtech.org

Register: intern@emergingtech.org

February 16: IP 1, Getting Information from the Inventor -- Tom Nutter, Gallop Johnson & Neuman

March 2: IP 2, What Happens at the P&T Office -- Harley Blosser, Sonnenschein Nath & Rosenthal; Mickki Murray, Sonnenschein (invited); Kathleen Petrillo, Senniger Powers (invited)

March 23: IP 3, International Issues -- Kurt James, Senniger Powers (invited)

April 6: IP 4, Transactional Issues (value extraction, licensing, etc.) -- John Kepler, Polsinelli Shalton Welte Suelthaus; Tom Nutter, Gallop Johnson & Neuman; Tom Walsh, Sonnenschein (invited); Brian Behrens, Sonnenschein (invited)

April 20: IP 5, Life Sciences, Pharma, etc., Issues -- Mike Marrah, Sonnenschein (invited); Jeff Boone, Mallinckrodt (invited); Brian Stierwalt, Sigma-Aldrich (invited); Mike Warner or Scott Williams, Pfizer (invited)

The CET is applying for 3 CLE hours for each event from the Missouri Bar and CPAs from the Missouri CPA Association. The cost per event will be \$40 for entrepreneurs and \$50 for 3 credits.

Two later events (May 4 and May 25) will cover Valuation with Fred Craves, Bay City Capital (San Francisco), and Tom Melzer, RiverVest, are two of the confirmed speakers.

process for start-up companies.

“The SBIR/STTR workshop at the CET provided me with a number of opportunities and substantial information,” says Dr. Jim Bashkin, Research Associate Professor of Chemistry at UM-St. Louis, who attended the January 2005 workshop.

“Without question, the formal program was the most important attraction because it offered expert opinions on funding strategies from representatives of NIH, DOD and other governmental agencies.

“The program provided specific advice on things that science and engineering faculty are least likely to be knowledgeable about: accounting practices, legal issues and other business aspects of technology transfer.”

GROWING THE ENTREPRENEURIAL POOL

While the current training sessions are highly respected and successful, the Center for Emerging Technologies and the University of Missouri-St. Louis are in preliminary discussions to develop an MBA program with an emphasis on technology commercialization to help fill the last gap in universities commercializing discoveries emerging from their laboratories.

While most universities over the last two decades have established technology transfer offices and assisted faculty with development funds, patent applications, facilities and other requirements for establishing start-up companies, the missing piece has been systematic training of entrepreneurs to run the companies once they established. Scientists, the intellectual backbone of life science start-ups, are not always equipped with enough expertise to, among other things, set up business plans, negotiate for funding, recruit human resources, conduct market research, and launch their products.

This new program would address these issues and eventually increase the number of companies that, due to effective management, can successfully raise capital and get their products to market.

Both Keith Womer, dean of the UM-St. Louis College of Business Administration, and Tom Eyssell, director of graduate programs in business, have expressed their enthusiasm for the development of this program.

PART OF A BIOTECH REGION, NATION

The Center for Emerging Technologies' mission is to be the primary force in positioning the St. Louis region as a worldwide center of advanced technology industries and knowledge-based economic development. Helping advance this mission, the CET's president and CEO, Marcia Mellitz, currently serves on the boards of a variety of civic and cultural institutions, including the St. Louis County Air Pollution Appeal Board, the St. Louis RCGA Technology Gateway Council, the Coalition for Plant and Life Sciences, CORTEX, Council of Biotechnology Centers (BIO), and the St. Louis Life Sciences Center.

About the CET



Training Room at the CET

President & CEO: Marcia Mellitz
Chief Operating Officer: Bill Simon
Web Site: <http://www.emergingtech.org>
Address:
4041 Forest Park Ave.
St. Louis, MO 63108
Phone: 314/615-6900
E-Mail: info@emergingtech.org

The Center for Emerging Technologies is one of the four Missouri innovation centers. However it has a unique status in that the Missouri Department of Economic Development (DED) does not contract with the Center directly as it does with the other three innovation centers. Rather DED contracts with the University of Missouri - St. Louis, Office of Research for the purposes of managing the St. Louis innovation center.

The Center for Emerging Technologies is a separately incorporated 501(c)(3) organization that manages an advanced technology business incubator. (The other three innovation centers do not manage business incubators.) However the staff of the Center are all UMSL employees. (The campus pays for the salary of the President of CET while other employees are paid from grants.) The Center is structured within the Office of Research. Furthermore, the President of the Center reports to the Vice Provost for Research. The Vice Provost for Research provides supervision and his staff provides grant management services.

In addition to the grant from DED the Office of Research also manages federal grants earmarked for the Center such as from SBA and NASA. The Center also utilizes UMSL resources on a fee-for-service basis such as facility maintenance, janitorial and security services. The Center also makes use of other UMSL services such as purchasing, contracting, human resources and printing.

Expanding beyond St. Louis, Simon says the success of CET incubator has made it a model across the nation. He is currently working with a range of institutions, from Worcester Polytechnic Institute to the University of Missouri-Columbia, on establishing biotech incubators. With his experience at the CET, Simon can advise on various areas such as architectural plans, lab safety, and environmental concerns.

Back in St. Louis, Simon explains that whether it's working with university students as interns or developing the entrepreneurial skills of faculty or start-up staff, the CET has an important economic development mission to pursue -- one that holds the potential for new jobs, new companies, and even new products that benefit humanity. Plus, "with so many really smart people around, the mental gymnastics are fun," says Simon. ■

■ Funding Opportunities

Please note: The opportunities listed on this page are a sampling only.
For additional opportunities, visit [FedGrants](http://www.fedgrants.gov/Applicants/index.html) (<http://www.fedgrants.gov/Applicants/index.html>)
and [Grant Advisor Plus](http://www.grantadvisor.com/tgapius/) (<http://www.grantadvisor.com/tgapius/>).

NEW ANNOUNCEMENTS — Government Agencies

Administration for Children and Families (ACF)

Assets for Independence Demonstration Program Grant:

<http://www.fedgrants.gov/Applicants/HHS/ACF/OA/HHS-2005-ACF-OCS-EI-0053/listing.html>

Agency for International Development (AID)

Overseas Missions, Budapest USAID-Regional Services Center, Macedonia Activity for Society Strengthening (MACSS):

<http://www.fedgrants.gov/Applicants/AID/OM/BUD/RFA%26%23032%3B165-05-010/listing.html>

Washington D.C., Fellows' Program Grant: <http://www.fedgrants.gov/Applicants/AID/OP/WAS/M-OAA-GH-011-00/listing.html>

Washington D.C., Micronutrient Leadership & Support & Child Blindness Activity:

<http://www.fedgrants.gov/Applicants/AID/OP/WAS/M-OP-GH-HSR-05-462/listing.html>

Department of Commerce (DOC)

National Oceanic and Atmospheric Administration, 2005 Atlantic Sea Scallop Research Set-Aside Program: <http://www.fedgrants.gov/Applicants/DOC/NOAA/GMC/NMFS-NERO-2005-2000006/listing.html>

National Oceanic and Atmospheric Administration, New Bedford Harbor Restoration Projects Grants:

<http://www.fedgrants.gov/Applicants/DOC/NOAA/GMC/NMFS-NMFS-2005-2000054/listing.html>

Department of Defense (DOD)

Defense Advanced Research Projects Agency (DARPA), Defense Sciences and Research Technology Grant: <http://www.fedgrants.gov/Applicants/DOD/DARPA/CMO/BAA05-19/listing.html>

Defense Advanced Research Projects Agency (DARPA), BAA05-14 - Integrated Battle Command Grant: <http://www.fedgrants.gov/Applicants/DOD/DARPA/CMO/BAA05-14/listing.html>

Linear Photonic RF Front-End Technology (PHOR-FRONT) Proposer Information Pamphlet:

<http://www.fedgrants.gov/Applicants/DOD/DARPA/CMO/BAA05-20/listing.html>

National Geospatial Intelligence Agency, Acquisition Contract Supporting InnoVision, Fiscal Year 2005 University Research Initiatives (NURI) Grant:

<http://www.fedgrants.gov/Applicants/DOD/NGIA/ACT/HM1582-05-BAA-0002/listing.html>

National Geospatial Intelligence Agency, Acquisition Contract Supporting InnoVision, FY05 DCI

Postdoctoral Fellowship Grant: <http://www.fedgrants.gov/Applicants/DOD/NGIA/ACT/HM1582-05-BAA-0003/listing.html>

Very High Efficiency Solar Cell (VHESC):

<http://www.fedgrants.gov/Applicants/DOD/DARPA/CMO/BAA05-21/listing.html>

Department of Education (ED)

Comprehensive School Reform Quality Initiatives Program Grant:

<http://www.fedgrants.gov/Applicants/ED/HRO/DCMGC/ED-GRANTS-020605-001/listing.html>

Early Childhood Educator Professional Development Program Grant:

<http://www.fedgrants.gov/Applicants/ED/HRO/DCMGC/ED-GRANTS-020705-001/listing.html>

Gaining Early Awareness and Readiness for Undergraduate Programs (GEAR UP) Grant:

<http://www.fedgrants.gov/Applicants/ED/HRO/DCMGC/ED-GRANTS-022305-001/listing.html>

Grant Competition To Prevent High-Risk Drinking or Violent Behavior Among College Students Grant:

<http://www.fedgrants.gov/Applicants/ED/HRO/DCMGC/ED-GRANTS-020805-001/listing.html>

Grants To Reduce Alcohol Abuse Grant: <http://www.fedgrants.gov/Applicants/ED/HRO/DCMGC/ED-GRANTS-020905-001/listing.html>

Projects With Industry Grant: <http://www.fedgrants.gov/Applicants/ED/HRO/DCMGC/ED-GRANTS-020305-004/listing.html>

Recreational Programs Grant: <http://www.fedgrants.gov/Applicants/ED/HRO/DCMGC/ED-GRANTS-020705-002/listing.html>

Rehabilitation Training: Rehabilitation Long-Term Training--Vocational Rehabilitation Counseling Grant:

<http://www.fedgrants.gov/Applicants/ED/HRO/DCMGC/ED-GRANTS-021405-001/listing.html>

School Leadership Program Grant: <http://www.fedgrants.gov/Applicants/ED/HRO/DCMGC/ED-GRANTS-022205-001/listing.html>

Department of Energy (DOE)

Area of Interest 4: Technologies and Strategies to Enhance Coalbed Methane (CBM) Production Grant:

<http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-PS26-05NT42395-4/listing.html>

Atmospheric Radiation Measurement Program Grant:

<http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-FG01-05ER05-14/listing.html>

Clean Cities - AFV Incremental Costs Grant: <http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-PS26-05NT42396-01A/listing.html>

Early Career Principal Investigator Program in Applied Mathematics, Computer Science, and High-Performance Networks Grant: <http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-FG01-05ER05-17/listing.html>

Glass Industry of the Future Funding Announcement:

<http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-PS36-05GO95006/listing.html>

Million Solar Roofs/Solar Outreach and Communications Solicitation Grant:

<http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-PS26-05NT42401/listing.html>

Program Category 01B: Clean Cities Refueling Infrastructure Grant:

<http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-PS26-05NT42396-01B/listing.html>

Program Category 01C: Clean Cities School Buses Grant:

<http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-PS26-05NT42396-01C/listing.html>

Program Category 01D: Clean Cities Coalition Support Grant:

<http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-PS26-05NT42396-01D/listing.html>

Program Category 01E: Clean Cities Idle Reduction Technologies Grant:

<http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-PS26-05NT42396-01E/listing.html>

Program Category 01F: Clean Cities Heavy Duty Hybrid Electric Grant:

<http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-PS26-05NT42396-01F/listing.html>

Program Category 04: Rebuild America Grant: <http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-PS26-05NT42396-04/listing.html>

Program Category 05: Building America Grant: <http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-PS26-05NT42396-05/listing.html>

Program Category 06: FEMP Grant: <http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-PS26-05NT42396-06/listing.html>

Program Category 07: Photovoltaic Building Integrated Micro-Inverter Grant:

<http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-PS26-05NT42396-07/listing.html>

Program Category 08A: Wind Energy Tall Towers Grant:

<http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-PS26-05NT42396-08A/listing.html>

Program Category 09: DER-CHP Apps Centers Grant:

<http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-PS26-05NT42396-09/listing.html>

Program Category 10: Biomass Grant: <http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-PS26-05NT42396-10/listing.html>

Program Category 11: Air Quality Integration Grant:

<http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-PS26-05NT42396-11/listing.html>

Regional Centers for the National Institute for Climatic Change Research Grant:

<http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-FG01-05ER05-19/listing.html>

Round 2: Advanced Diagnostics and Imaging, Modification1:

<http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-PS26-04NT42072-0/listing.html>

Theoretical Research in Plasma and Fusion Science Grant:

<http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-FG01-05ER05-08/listing.html>

Ultra-High Efficiency Industrial Steam Generation Grant:

<http://www.fedgrants.gov/Applicants/DOE/PAM/HQ/DE-PS36-05GO95007/listing.html>

Department of Health and Human Services (HHS)

Adolescent Family Life Demonstration Projects Grant:

<http://www.fedgrants.gov/Applicants/HHS/OS/OPHS/PA-AFLCG-05-001/listing.html>

Department of State (STATE)

Bureau of Educational and Cultural Affairs Office of Program Management Partnerships for Learning

Youth Exchange and Study (P4L-YES) Program Grant:

<http://www.fedgrants.gov/Applicants/State/ECA/IIP-EX-EM/ECA-PE-C-PY-05-26/listing.html>

Junior Faculty Development Program Grant: [http://www.fedgrants.gov/Applicants/State/ECA/IIP-EX-](http://www.fedgrants.gov/Applicants/State/ECA/IIP-EX-EM/ECA-A-E-EUR-05-05%26%23032%3B/listing.html)

[EM/ECA-A-E-EUR-05-05%26%23032%3B/listing.html](http://www.fedgrants.gov/Applicants/State/ECA/IIP-EX-EM/ECA-A-E-EUR-05-05%26%23032%3B/listing.html)

Department of the Army (USA)

U.S. Army Space and Missile Defense Command, Deputy Commander Education and Employment for Technology Excellence in Aviation, Missile and Space Consolidated Grants Announcement Grant for

Colleges and Universities funded by SMDC, PEO MS, AMRDEC, GMD JPO, PEO Aviation, and NASA/MSFC Grant: [http://www.fedgrants.gov/Applicants/USA/SMDC/DASG60/W9113M-05-](http://www.fedgrants.gov/Applicants/USA/SMDC/DASG60/W9113M-05-0002/listing.html)

[0002/listing.html](http://www.fedgrants.gov/Applicants/USA/SMDC/DASG60/W9113M-05-0002/listing.html)

Department of the Air Force (USAF)

Infospace Concept Exploration and Development Grant:

<http://www.fedgrants.gov/Applicants/USAF/IFKC/AMB/BAA-05-03-IFKA/listing.html>

Metals, Ceramics, and Nondestructive Evaluation Advanced Technology (MCNEAT):

<http://www.fedgrants.gov/Applicants/USAF/AFRL/Wright/BAA-04-01-MLK/listing.html>

AFRL-Kirtland Research Site Broad Agency Announcement VS-05-01:

<http://www.fedgrants.gov/Applicants/USAF/AFRL/Kirtland/BAA-VS-05-01/listing.html>

Department of the Interior (DOI)

Bureau of Reclamation, Water Conservation Field Service Program Grant:

<http://www.fedgrants.gov/Applicants/DOI/BOR/MP3800/Solicitation%26%23032%3BNo%26%23046%3B%26%23032%3B05SF203022/listing.html>

U.S. Geological Survey, National Earthquake Hazards Reduction Program: <http://erp-web.er.usgs.gov/>

Department of the Navy (USN)

Office of Naval Research, Educational Outreach Program:

<http://www.fedgrants.gov/Applicants/USN/ONR/HQ/RA05-001/listing.html>

Environmental Protection Agency (EPA)

Exposure Measurement Tools for Endocrine Disrupting Chemicals in Mixtures Grant:

<http://www.fedgrants.gov/Applicants/EPA/OGD/GAD/2005-STAR-H1/listing.html>

Hospitals for a Healthy Environment (H2E) Program Grant:

<http://www.fedgrants.gov/Applicants/EPA/OGD/GAD/OPPT%26%23032%3B-%26%23032%3B0501/listing.html>

Notice of FY 2005 Request for Proposals (RFP) for Projects to be Funded from the Water Quality

Cooperative Agreement Allocation - EPA Headquarters Grant:

<http://www.fedgrants.gov/Applicants/EPA/OGD/GAD/EPA-OW-OWM-05-01/listing.html>

Regional Environmental Monitoring and Assessment Program Research Projects Grant:

<http://www.fedgrants.gov/Applicants/EPA/OGD/GAD/ORD-NHEERL-MED-FY2005-01-05/listing.html>

Resource Conservation Funds 2005 Request for Initial Proposals Grant:

<http://www.fedgrants.gov/Applicants/EPA/OGD/GAD/EPA-GRANTS-021505-001/listing.html>

Support for Conference Concerning Human Exposure Analysis and Environmental Pollutants Grant:

<http://www.fedgrants.gov/Applicants/EPA/OGD/GAD/EPA-ORD-25401/listing.html>

Tribal Water Quality Cooperative Agreements Grant:

<http://www.fedgrants.gov/Applicants/EPA/OGD/GAD/EPA-GRANTS-021005-001/listing.html>

National Endowment for the Arts (NEA)

Opera Initiative to Military Bases Grant: <http://www.fedgrants.gov/Applicants/NEA/2/2/PS05-04/listing.html>

National Institutes of Health (NIH)

Animal Models of NIDDK-Relevant Diseases Grant:

<http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PA-05-049/listing.html>

Consequences of Drug Abuse and Alcohol Exposure on Brain and Behavioral Development Grant:

<http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/RFA-DA-05-007/listing.html>

Continued Development and Maintenance of Software Grant:

<http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PAR-05-057/listing.html>

Extramural Associates Research Development Award (EARDA) Grant:
<http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PAR-05-053/listing.html>
Functional Links between the Immune System, Brain Function and Behavior Grant:
<http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PA-05-054/listing.html>
HIV and Psychiatric Comorbidity Research Project Grant:
<http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/RFA-MH-05-010/listing.html>
International Epidemiologic Databases to Evaluate AIDS (IEDEA) Grant:
<http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/RFA-AI-05-014/listing.html>
Jointly Sponsored Ruth L. Kirschstein National Research Service Award Institutional Predoctoral Training Program in the Neurosciences Grant: <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PAR-05-055/listing.html>
NCMHD Community Participation in Health Disparities Intervention Research Grant:
<http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/RFA-MD-05-002/listing.html>
Protein Biomarkers of Infection-Associated Cancers Grant:
<http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PA-05-048/listing.html>
Request for Applications NCMHD Centers of Excellence In Partnerships for Community Outreach, Research on Health Disparities and Training (Project EXPORT Establishing Exploratory Centers) Grant: <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/RFA-MD-05-003/listing.html>
Research on Sleep and Sleep Disorders Grant: <http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PA-05-046/listing.html>
Specialized Programs of Research Excellence (SPOREs) in Human Cancer for Year 2005-2006 Grant:
<http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PAR-05-042/listing.html>
Targeting Diseases Caused by Protein Misfolding or Misprocessing Grant:
<http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/PAR-05-056/listing.html>
Technology Development for Biomedical Applications Grant:
<http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/RFA-RR-05-001/listing.html>
Training in Genomics and Hemoglobinopathies Grant:
<http://www.fedgrants.gov/Applicants/HHS/NIH/NIH/RFA-HG-05-002/listing.html>

National Science Foundation (NSF)

Chemistry Research Instrumentation and Facilities Grant:
<http://www.fedgrants.gov/Applicants/NSF/OIRM/HQ/05-555/listing.html>
Conferences, Workshops and Special Meetings in the Mathematical Sciences:
http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf05540
Coupling, Energetics, and Dynamics of Atmospheric Regions Grant:
<http://www.fedgrants.gov/Applicants/NSF/OIRM/HQ/05-554/listing.html>
Course, Curriculum, and Laboratory Improvement (CCLI) Grant:
<http://www.fedgrants.gov/Applicants/NSF/OIRM/HQ/05-559/listing.html>
Information and Intelligent Systems: Advancing Collaborative and Intelligent Systems and their Societal Implications Grant: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf05551%20
Instrument Development for Biological Research Grant:
http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf05536%20
National Science, Technology, Engineering & Mathematics Education Digital Library (NSDL):
http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf05545
Partnership for Advancing Technologies in Housing (PATH):
http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf05547
Research on Science and Technology Surveys and Statistics: S&T Workforce, Funding, Impacts, Outputs, and International Studies: http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf05546
Small Business Innovation Research and Small Business Technology Transfer Programs Phase I Solicitation FY-2006 Grant: <http://www.fedgrants.gov/Applicants/NSF/OIRM/HQ/05-557/listing.html>
The Study of Benthic Boundary Layer Processes Through Development of Technologies for Coastal Observing Systems Grant: <http://www.fedgrants.gov/Applicants/NSF/OIRM/HQ/05-556/listing.html>
Undergraduate Mentoring in Environmental Biology Grant:
<http://www.fedgrants.gov/Applicants/NSF/OIRM/HQ/05-558/listing.html>
Undergraduate Research Centers (URC): <http://www.nsf.gov/cgi-bin/getpub?nsf05539>

Substance Abuse and Mental Health Services Administration (SAMHSA)

Family and Juvenile Treatment Drug Courts Grant:
<http://www.fedgrants.gov/Applicants/HHS/SAMHSA/CSAT/TI-05-005%20/listing.html>

NEW ANNOUNCEMENTS, Foundations, Institutes and Other

AMERICAN ASTRONOMICAL SOCIETY

Small Research Grants (<http://www.aas.org/grants/smrg.html>)

DUE: MAY 6, DEC 2

E-MAIL: marvel@aaas.org

WRITE:

Small Research Grants Committee
American Astronomical Society
2000 Florida Avenue, NW
Suite 400
Washington, DC 20009

This program is funded by a grant from NASA, by income from the American Astronomical Society operating reserve fund and, in some cases, by the Gaposchkins' Research Fund. The purpose of the program is to cover costs associated with any type of astronomical research. **ELIGIBILITY:** Astronomers with a Ph.D. or equivalent may apply. Graduate students are not eligible. Astronomers from smaller, less endowed institutions will be given priority; however, proposals will be accepted from individuals not associated with an institution. **FUNDING:** Awards range from \$1,000 to \$7,000.

AMERICAN NURSES' FOUNDATION

Nursing Research Grants Program (<http://www.nursingworld.org/anf/nrggrant.htm>)

DUE: MAY 2

E-MAIL: anf@ana.org

PHONE: 301/628-5227

WRITE:

American Nurses Foundation
ATTN: NRG05
8515 Georgia Ave., Suite 400
Silver Spring, MD 20910-3492

The purpose of the American Nurses Foundation (ANF) Nursing Research Grants Program is to encourage the research career development of all nurses. To effectively achieve this goal, the program supports research of beginning and experienced nurse researchers. **ELIGIBILITY:** In all award categories, the principal investigator must be a licensed registered nurse who has obtained at least one degree, either a baccalaureate degree or higher, in nursing. Beginning and experienced nurse researchers are encouraged to apply. **FUNDING:** Grants have ranged from \$3,500 to \$20,000.

CAMILLE AND HENRY DREYFUS FOUNDATION, INC.

New Faculty Award Program (<http://www.dreyfus.org/nf.shtml>)

DUE: MAY 12, nominations

E-MAIL: admin@dreyfus.org

PHONE: 212/753-1760

WRITE:

The Camille and Henry Dreyfus Foundation, Inc.
555 Madison Avenue, 20th Floor
New York, NY 10022

The Camille and Henry Dreyfus Foundation seeks to support the scholarly activity of new faculty with an award designed to help initiate their independent research programs. The New Faculty Award provides an unrestricted research grant of \$50,000 that is generally made before the new faculty members formally begin their first tenure-track appointment, and is based on institutional nomination. **ELIGIBILITY:** The New Faculty Award Program is open to all academic institutions in the States, Districts, and Territories of the United States of America that grant a doctoral degree in chemistry, biochemistry, or chemical engineering. Faculty members who start their first tenure-track appointment in one of these departments in 2005 are eligible for nomination in 2005. **FUNDING:** The New Faculty Award Program provides a \$50,000 unrestricted research grant. Funds are normally expended over a period of five years.

HAGLEY MUSEUM AND LIBRARY

Short-Term Grants-In-Aid (<http://www.hagley.lib.de.us/grants.html>)

DUE: MAR 31, JUN 30, OCT 31

E-MAIL: info@hagley.org

PHONE: 302/658-2400

FAX: 302/655-3188

WRITE:

Center for the History of Business, Technology, and Society
Hagley Museum and Library
P.O. Box 3630
Wilmington, DE 19807-0630

Short-term grants-in-aid support visits to Hagley for scholarly research in the imprint, manuscript, pictorial, and artifact collections. They are designed to assist researchers with travel and living expenses while using the research collections. Scholars receive a stipend, make use of the research holdings, and participate in the programs of the Center for the History of Business, Technology, and Society. **ELIGIBILITY:** These grants are to support serious scholarly work. They are available to both degree candidates and senior scholars and writers working independently as well as college and university teachers, librarians, archivists, museum curators, and scholars from fields other than humanities. Scholars are expected to participate in seminars which meet periodically, as well as attend noontime colloquia, lectures, and other public programs offered during their tenure. Low cost housing may be available on the museum grounds. **FUNDING:** Stipends are for a minimum of two weeks, maximum of two months at no more than \$1,400 per month.

Henry Belin du Pont Fellowship (<http://www.hagley.lib.de.us/grants.html>)

DUE: MAR 31, JUN 30, OCT 31

E-MAIL: info@hagley.org

PHONE: 302/658-2400

FAX: 302/655-3188

WRITE:

Center for the History of Business, Technology, and Society
Hagley Museum and Library
P.O. Box 3630
Wilmington, DE 19807-0630

These fellowships honor the memory of Henry Belin du Pont, a founding trustee and long-time supporter of Hagley. The Henry Belin du Pont Memorial Fund supports access to and use of Hagley's research collections. These fellowships are intended to support serious scholarly work. They enable scholars to pursue advanced research and study in the library, archival, and artifact collections of the Hagley Museum & Library. **ELIGIBILITY:** Applicants must be from out of state and preference will be given to those whose travel costs to Hagley will be higher. Fellows are expected to participate in seminars which meet periodically, as well as attend noontime colloquia, lectures, and other public programs offered during their tenure. Low cost accommodations may be available on the museum grounds. **FUNDING:** Stipends are for a minimum of two months and a maximum of six months at no more than \$1,400 per month.

INSTITUTE OF MEDICINE

The Gustav O. Lienhard Award (<http://www.iom.edu/project.asp?id=5010>)

DUE: APR 30, nominations

E-MAIL: lienhard@nas.edu

PHONE: 202/334-2177

WRITE:

The Lienhard Award Committee
c/o Susanne Stoiber
Institute of Medicine
500 Fifth Street, NW
Washington, DC 20001

The Gustav O. Lienhard Award focuses on creative or pioneering efforts that have appreciably improved personal health services rather than on contributions to the science base of health care. To encourage consideration of the widest possible range of candidates, no eligibility limits are placed on the education or profession of individuals who may be nominated. Award recipients are selected on the basis of two principal criteria: (a) achievement in the area of personal health services; and (b) achievement of national scope. Additional selection criteria

include: (1) innovative, creative, and pioneering achievement; (2) unique contributions by the nominee to that achievement; (3) positive change over a sustained period--not simply for the potential for such change--through the nominee's achievement; (4) a qualitative and quantitative impact; and (5) success in overcoming barriers, based on resources available. **ELIGIBILITY:** Any individual or group may submit a nomination. **FUNDING:** The award consists of a medal and \$25,000.

INTERNATIONAL RESEARCH & EXCHANGES BOARD

Policy-Connect Collaborative Research Grants (<http://www.irex.org/programs/policy-connect/index.asp>)

DUE: APR 1

E-MAIL: policyconnect@irex.org

PHONE: 202/628-8188

FAX: 202/628-8189

WRITE:

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

The Policy-Connect Collaborative Research Grants Program, which now encompasses the cross-regional John J. and Nancy Lee Roberts Fellowship, supports cutting-edge collaborative research on specific topics and regions each year. IREX expects to award four grants this year for projects up to 12 months in length. One grant will be awarded for research on Southeast Europe, two grants for research on Eurasia, and one grant for research with a cross-regional focus. Collaborative teams may be comprised of no more than three US scholars. Upon completion of the project, scholars will be requested to present their research findings at a Policy Forum at the US Department of State and to write a short policy paper.

W.M. KECK FOUNDATION

Grants for Science and Engineering, Medical Research, Liberal Arts

(<http://www.wmkeck.org/programs/index.html>)

DUE: MAY 15, NOV 15

E-MAIL: info@wmkeck.org

PHONE: 213/680-3833

WRITE:

W.M. Keck Foundation
550 South Hope Street
Suite 2500
Los Angeles, CA 90071

The W.M. Keck Foundation was founded with the goal of generating far-reaching benefits for humanity. Grant making is focused on five broad areas: (1) Science and Engineering Research; (2) Medical Research; (3) Undergraduate Science and Engineering; (4) Liberal Arts; and (5) Southern California Program. To make its grant determinations, the Foundation relies upon a wide range of input, including the opinions of its professional staff, site visits (where appropriate), and a constant flow of current scientific, medical and health and human service fields.

ELIGIBILITY: Accredited four-year colleges and universities, medical schools, and major, independent scientific and medical research institutions are eligible to apply. **FUNDING:** The average size and duration of grants varies by project and program area.

CHARLES A. AND ANNE MORROW LINDBERGH FOUNDATION

2006 Lindbergh Grants Program (<http://www.lindberghfoundation.org/>)

DUE: JUNE 9, 2005

WEB: www.lindberghfoundation.org

Each year, The Charles A. and Anne Morrow Lindbergh Foundation provides grants of up to \$10,580 (a symbolic amount representing the cost of the "Spirit of St. Louis") to men and women whose individual initiative and work in a wide spectrum of disciplines furthers the Lindberghs' vision of a balance between the advance of technology and the preservation of the

natural/human environment.

To date, 250 men and women in the United States and abroad have received more than \$2.4 million to support their work. The value of the Lindbergh Grants program as a provider of seed money and credibility for pilot projects that subsequently receive larger sums from other sources to continue and expand the work has again been confirmed. Seventy-four percent of Lindbergh Grant recipients responding to a recent survey by the Foundation said they had received additional funding for their research or educational project earlier supported by a Lindbergh Grant, with 34% receiving funds ranging from \$50,001 up to \$500,000 in supplementary support.

Categories: Lindbergh Grants are made in the following categories: **agriculture**; **aviation/aerospace**; **conservation of natural resources** - including animals, plants, water, and general conservation (land, air, energy, etc.); **education** - including humanities/education, the arts, and intercultural communication; **exploration**; **health** - including biomedical research, health and population sciences, and adaptive technology; and **waste minimization and management**. A Jonathan Lindbergh Brown Grant may be given to a project to support adaptive technology or biomedical research which seeks to redress imbalance between an individual and his or her human environment.

RESEARCH CORPORATION

Research Opportunity Awards (<http://www.rescorp.org/roa/roa.htm>)

DUE: MAY 2, OCT 1

E-MAIL: pmaguire@rescorp.org

PHONE: 520/571-1111

FAX: 520/571-1119

WRITE:

Science Advancement Programs
Research Corporation
4703 E. Camp Lowell Drive, Suite 201
Tucson, AZ 85712

Research Opportunity Awards are for scientists of demonstrated productivity and creativity seeking to explore new areas of experimental research. The chair of each Ph.D.-granting astronomy, chemistry, or physics department in the United States and Canada may nominate up to two tenured faculty members annually who are without major research funding. Following internal review, proposals will be invited from selected nominees. **CRITERIA:** (a) Scientific significance and originality of the research; (b) Potential for enhancement of the applicant's career; (c) Evidence of support from the department and institution; (d) Candidate's past record and potential to mount and sustain a competitive research program; (e) Evidence of applicant's vigor and self-motivation. **FUNDING:** Grants are up to \$50,000 with a one-for-two match from the institution or department up to \$25,000. Other external funds available to the applicant should not, in most instances, exceed \$25,000 per year.

ROBERT WOOD JOHNSON FOUNDATION

Investigator Awards in Health Policy Research (<http://www.ihhpcpar.rutgers.edu/rwjf/>)

DUE: APR 1, letters of intent; JUL 27, full proposals

E-MAIL: depdir@ihhpcpar.rutgers.edu

PHONE: 732/932-3817

FAX: 732/932-3819

WRITE:

Lynn Rogut, Deputy Director
Investigator Awards in Health Policy Rs.
IHHPCPAR, Rutgers-the State University
317 George St., Suite 400
New Brunswick, NJ 08901-2008

The Investigator Awards in Health Policy Research program of The Robert Wood Johnson Foundation (RWJF) funds highly qualified individuals to undertake broad studies of the most challenging policy issues in health and healthcare facing America. **ELEGIBILITY:** Applications are welcomed from investigators in fields such as anthropology, business, demography,

economics, engineering, ethics, genetics, health and social policy, history, journalism, law, medicine, nursing, political science, public health, psychology, science policy, social work and sociology. The Foundation seeks a diverse group of applicants including members of minority groups and individuals in nonacademic settings such as research firms and policy organizations. Applicants must be affiliated either with educational institutions or with 501(c)(3) nonprofit organizations located in the United States. **FUNDING:** The maximum grant award available is \$275,000, which includes personnel, other direct costs and indirect costs calculated at a rate of up to 9 percent. Investigators must be prepared to commit substantial time to the project. Grant funds are to be used primarily for project salary support for the principal investigator(s). In circumstances where salary support may be available from other sources, a larger portion of the budget may be allocated to research-related expenses.

TOYOTA USA FOUNDATION

Grants in K-12 Education - especially in math and science

(<http://www.toyota.com/about/community/tusafoundation/>)

DUE: anytime

PHONE: 212/715-7486

WRITE:

Foundation Administrator
Toyota USA Foundation
9 West 57th Street, Suite 4900
New York, NY 10019

The Toyota USA Foundation is committed to improving the quality of K-12 education by supporting innovative programs that improve the teaching and learning of mathematics and science. A high priority is placed on the following: (a) Systemic math and science programs which are broad in scope and incorporate interdisciplinary curriculum, "real world" classroom applications and high student expectations; (b) Creative and innovative programs which develop the potential of students and/or teachers; and (c) Cost-effective programs that possess a high potential for success with relatively low duplication of effort. **ELIGIBILITY:** Applying organizations must be tax-exempt under the Internal Revenue Code section 501(c)(3) and be located within and serve people in the U.S. Grants are made to accredited higher education institutions (colleges and universities), community colleges and vocational or trade schools, and to nonprofit organizations engaged in pre-collegiate math and/or science education. Not eligible are government agencies, individuals and for-profit businesses. **FUNDING:** Recent grants have ranged from \$50,000 to \$500,000.

WENNER-GREN FOUNDATION FOR ANTHROPOLOGICAL RESEARCH, INC.

Individual Research Grants Program (<http://www.wennergren.org/programsirg.asp>)

DUE: MAY 1, NOV 1

E-MAIL: inquiries@wennergren.org

PHONE: 212/683-5000

FAX: 212/683-9151

WRITE:

The Wenner-Gren Foundation for Anthropological Research, Inc.
470 Park Avenue South, 8th Floor
New York, NY 10016-6819

Grants for amounts up to \$25,000 are available for basic research in all branches of anthropology. Grants are made to seed innovative approaches and ideas, to cover specific expenses or phases of a project, and/or to encourage aid from other funding agencies. The Foundation particularly invites projects employing comparative perspectives or integrating two or more subfields of anthropology. A small number of awards is available for projects designed to develop resources for anthropological research and scholarly exchange. The Foundation, under its Individual Research Grants Program, offers Dissertation Fieldwork Grants, Post-Ph.D. Grants, and Richard Carley Hunt Postdoctoral Fellowships (maximum \$40,000).

GRADUATE OPPORTUNITIES

NATIONAL SCIENCE FOUNDATION

Graduate Teaching Fellows in K-12 Education Grant:

<http://www.fedgrants.gov/Applicants/NSF/OIRM/HQ/05-553/listing.html>

APPLICATION DEADLINES

Fine Arts

MAR 1

NEA National Endowment for the Arts: Literature Fellowships - Creative Writing 202/682-5034

MAR 14

NEA National Endowment for the Arts: Access to Artistic Excellence 202/682-5400 >>> Also due: AUG15 <<<

MAR 21

NGA National Gallery of Art: Visiting Senior F'ships & Associate Appointments 202/842-6482

<http://www.nga.gov/resources/casva.htm> >>> Also due: SEP21 <<<

ANY

DACTYL Dactyl Foundation for the Arts & Humanities: Grants to Writers 212/219-2344 <http://www.dactyl.org>

FORD Ford Foundation: Knowledge, Creativity & Freedom (Education, Sexuality, Religion, Media, Arts & Culture) 212/573-5000

Nathan Cummings Foundation: Grants in Arts & Culture, Environment, Health, and Jewish Life 212/787-7300

Humanities

MAR 1

AHISTA American Historical Association/NASA: Fellowship in Aerospace History 202/544-2422

<http://www.historians.org>

APS American Philos. Society: Phillips Fund Grants for Native American Rsch. 215/440-3429 (write: APS, 104 South Fifth Street, Philadelphia, PA 19106)

APS American Philosophical Society: Library Resident Research Fellowships 215/440-3443 <http://www.amphilsoc.org>

FSL Folger Shakespeare Library: Short-Term Fellowships (postdoctoral) 202/675-0348

NEH National Endowment for the Humanities: Summer Seminars and Institutes 202/606-8463

NL Newberry Library: Short-Term Resident Fellowships for Individual Research 312/255-3666

<http://www.newberry.org>

NL Newberry Library: Frances C. Allen Fellowships <http://www.newberry.org> 312/255-3666

NL Newberry Library: Arthur Weinberg Fellowship for Independent Scholars 312/255-3666 <http://www.newberry.org>

NL Newberry Library: American Society for 18th Century Studies Fellowships 312/255-3666 <http://www.newberry.org>

NL Newberry Library: Lester J. Cappon Fellowship in Documentary Editing 312/255-3666

NL Newberry Library: Short-Term Fellowships in the History of Cartography 312/255-3666

NL Newberry Library: Center for Renaissance Studies: Audrey Lumsden-Kouvel Fellowship 312/255-3666

<http://www.newberry.org>

SI: Woodrow Wilson Center Fellowships: E. European Studies Short-Term Grants 202/691-4222 >>> Also due: JUN 1 SEP 1 DEC 1 <<<

SI: Kennan Institute for Advanced Russian Studies - Short Term Visiting Grants 202/691-4100 >>> Also due: JUN 1 SEP 1 <<<

SLU Saint Louis Univ./Vatican Film Library: Mellon Fellowship 314/977-3090 >>> Also due: JUN 1 OCT 1 <<<

MAR 15

GRFF Gerald R. Ford Foundation: Research Travel Grants Program (to Library) 734/205-0555 >>> Also due: SEP15 <<<

MAR 18

AJA American Jewish Archives: Fellowship Program - 513/221-7444 phone ext. 304

MAR 21

NGA National Gallery of Art: Visiting Senior F'ships & Associate Appointments 202/842-6482

<http://www.nga.gov/resources/casva.htm> >>> Also due: SEP21 <<<

MAR 22

NEH Nat'l Endowment for the Humanities: Radio Projects-Consultation Grants 202/606-8267

NEH Nat'l Endowment for the Humanities: Radio Projects-Development and Production Grants 202/606-8269

NEH Nat'l Endowment for the Humanities: Public Programs - Consultation Grants for Museums, Libraries, and Special Projects 202/606-8267 >>> Also due: SEP ? <<<

MAR 25

NEH NEH: Television Projects- Consultation Grants 202/606-8267

MAR 31

HAGLEY Hagley Museum and Library: Short-Term Grants-in-Aid 302/658-2400 >>> Also due: JUN30 OCT31 <<<

HAGLEY Hagley Museum and Library: Henry Belin du Pont Fellowship 302/658-2400 >>> Also due: JUN30 OCT31 <<<

ANY

CAN Canadian Studies Matching Grant Program 202/682-7727

EARTH Earthwatch Institute: Research Program at Earthwatch - prelim. proposals 978/461-0081

DACTYL Dactyl Foundation for the Arts & Humanities: Grants to Writers 212/219-2344 <http://www.dactyl.org>
DELMAS Gladys Kriebel Delmas Foundation: Humanities Program (for organizations) - letters of inquiry
<http://www.delmas.org> 212/687-0011
DELMAS Gladys Kriebel Delmas Foundation: Research Library Program - letters of inquiry <http://www.delmas.org>
212/687-0011
DELMAS Gladys Kriebel Delmas Foundation: Grants for Organizations in Support of Venetian Scholarship & Culture
<http://www.delmas.org> 212/687-0011
KRESS Samuel H. Kress Foundation: The Practice of Art History and Conservation 212/861-4993
NTHP Nat'l Trust for Historic Preservation: Preservation Services Fund - OCT 1 plus other deadlines determined by
regional offices - call for info 202/588-6000
RF Rockefeller Foundation Fellowships in the Humanities - for individuals - various institute deadlines 212/869-8500
USMC Marine Corps Historical Center: Research Grants 202/433-4244

Sciences

MAR 1

DOA Research Grants: Watershed Processes and Water Resources 202/401-5244
EPFA Epilepsy Foundation of America: Research Grants and Fellowships 800/332-1000
<http://www.epilepsyfoundation.org> >>> Also due: SEP 1 <<<
NATO Advanced Study Institutes <http://www.nato.int> >>> Also due: SEP 1 DEC 1 <<<
NSF Civil and Mechanical Systems: Geotechnical and GeoHazards Systems 703/292-8360 >>> Also due: OCT 1 <<<
NSF Civil & Mechanical Systems: Structural Systems and Engineering 703/292-8360 >>> Also due: OCT 1 <<<
NSF Civil and Mechanical Systems: Dynamic System Modeling, Sensing, and Control 703/292-8360 >>> Also due:
OCT 1 <<<
NSF Civil and Mechanical Systems: Infrastructure and Information Systems 703/292-8360 >>> Also due: OCT 1 <<<
NSF Civil and Mechanical Systems: Solid Mechanics and Materials Engineering 703/292-8360 >>> Also due: OCT 1
<<<
NSF Interagency Education Research Initiative [IERI] - letter of intent MAR 1, full proposals APR 6 703/292-5146,
nsf04553
NSF Presidential Awards for Excellence in Science, Mathematics, and Engineering Mentoring (PAESMEM) -
nominations, nsf04525 703/292-5146
TINKER Tinker Foundation: Institutional Grants - environmental policy, governance, economic policy - Latin America,
Iberia, Antarctica 212/421-6858 >>> Also due: SEP 1 <<<

MAR 2

NSF Centers for Ocean Science Education Excellence [COSEE] - full proposal MAR 2, nsf05503, 703/292-7709
NSF Postdoctoral Fellowships in Polar Regions Research, nsf04566, 703/292-8033 >>> Also due: SEP 7 <<<

MAR 3

CERN European Lab. for Particle Physics [CERN]: The Fellowship Programme >>> Also due: SEP 2 <<<
NSF Sensors and Sensor Networks, nsf05526, 703/292-8339

MAR 4

DOA Special Research Grants: Citrus tristeza Research 202/401-1790
NSF Improvements in Facilities, Communications, and Equipment at Biological Field Stations and Marine Laboratories,
nsf04543, 703/292-8470

MAR 7

DOA Integrated Research, Education, and Extension Competitive Grants Program - Integrated Pest Management
202/401-0576
JSMF James S. McDonnell Foundation: 21st Century Science Initiative - Research Awards 314/721-1532
NSF Undergraduate Research Centers [URC] - letter of intent due MAR 7, full proposal due APR 4, nsf05539, 703/292-
4948
NSF Environmental Biology: Special Biennial Competition in Systematic Biology - Partnerships for Enhancing
Expertise in Taxonomy [PEET], nsf04606, 703/292-8481
NSF Research in Disabilities Education [RDE] - optional letter of intent MAR 7, full proposals APR 18, nsf04610,
703/292-4655

MAR 10

DOE Area of Interest 1: Low Temperature Combustion 304/285-4554
DOE Area of Interest 2: Emission Control Devices 304/285-4554
DOE Area of Interest 3: Technologies to Enhance Engine Efficiency 304/285-4554
DOE Area of Interest 4: Advanced Fuel Formulations 304/285-4554
DOE Area of Interest 5: Graduate Automotive Technology Education [GATE] Centers of Excellence 304/285-4554
DOE FreedomCAR and Vehicle Technologies Program for University Research and GATE Centers of Excellence
304/285-4554
NSF Ethics Education in Science and Engineering [EESE], nsf05532, 703/292-7272
NSF Partnerships for International Research and Education, nsf05533, 703/292-8711

MAR 11

CERN The Scientific and Corresponding Associates Programme (write: Recruitment Service, CERN, CH-1211 Geneva
23, Switzerland) >>> Also due: SEP13 <<<
NSF Grants for Department-Level Reform of Undergraduate Engineering Education [DLR], nsf05531, 703/292-8492

MAR 14

NSF Collaboration in Mathematical Geosciences [CMG], nsf05535, 703/292-8527

MAR 15

AID Transition to Democracy in Cuba 202/712-0551

DOA Integrated Research, Education, and Extension Competitive Grants Program - National Integrated Water Quality Program 202/205-5952

DOA Dept. of Agriculture/International Cooperation and Development/Foreign Agricultural Service: Scientific Cooperation Research Program 202/720-0618

EPA Conservation Challenge Grant Program 212/637-3753

EPA Pollution Prevention Grants - for state universities, etc. - Region 2 212/637-3753

SIGMA Sigma Xi, The Scientific Research Society: Grants-in-Aid of Research - graduate and undergraduate-level 919/549-4691 <http://www.sigmaxi.org> >>> Also due: OCT15 <<<

MAR 18

NSF Informal Science Education - preliminary proposals due, nsf05544, 703/292-5117 >>> Also due: SEP16 <<<

MAR 19

SACP Undergraduate Analytical Research Program [UARP] Grant - chemistry faculty 412/825-3220

MAR 24

EPA The Impact of Climate Change & Variability on Human Health 202/343-9748

MAR 28

DOA Conservation Innovation Grants 202/720-2335

NSF Assembling the Tree of Life (ATOL) - to construct a phylogeny for the 1.7 million described species of life, nsf05523, 703/292-8470

MAR 29

EPA Decision Support Systems Involving Climate Change and Public Health 202/343-9748

MAR 30

NSF Interdisciplinary Training for Undergraduates in Biological & Mathematical Sciences [UBM], nsf04546, 703/292-8481

MAR 31

ASEE NASA Summer Faculty Research Opportunities 202/331-3509

NSF Industry/University Cooperative Research Centers Program [IUCRC] - planning grants, nsf01116, 703/292-8383 >>> Also due: SEP30 <<<

NSF Robert Noyce Scholarship Program - full proposal due MAR 31, nsf05528, 703/292-4635

NSF Evaluative Research and Evaluation Capacity Building [EREC] - intent due MAR 31, full proposals due MAY 15, nsf05529, 703/292-5156

ONR Science and Technology in Water Desalination and Purification 703/696-4315

ANY

ASEE Naval Research Laboratory Postdoctoral Fellowship Program 202/331-3525 <http://www.asee.org/nrl/>

ASEE ONR Sabbatical Leave Program 202/331-3558

CC Carnegie Corporation: Education <http://www.carnegie.org> 212/371-3200

EARTH Earthwatch Institute: Research Program at Earthwatch - prelim. proposals 978/461-0081

CRDF U.S. Civilian R&D Foundation for Former Soviet Union: Grant Assistance Program 703/526-9720 <http://www.crdf.org>

EF Energy Foundation: Grants for Research and Analysis on Energy 415/561-6700 <http://www.ef.org/>

GMF German Marshall Fund: Grant Program 202/745-3950

HEWLETT Hewlett Foundation: Environment Program (West and Energy programs) 650/234-4500

IUAC International Union Against Cancer: Technology Transfer F'ships (3, rue du Conseil-General, 1205 Geneva, Switzerland) <http://fellows.uicc.org/>

KELLOGG W.K. Kellogg Foundation: Food Systems and Rural Development 269/968-1611

KELLOGG W.K. Kellogg Foundation: Philanthropy and Volunteerism 269/968-1611

KRESGE Kresge Foundation: Science Initiative - Challenge Grants to Upgrade and Endow Scientific Instrumentation and Laboratories 248/643-9630

JSMF James S. McDonnell Foundation: 21st Century Science Initiative - Collaborative Activity Awards 314/721-1532

MF MacArthur Foundation: Human and Community Development - organizations 312/726-5922

NHGRI Nat'l Human Genome Research Institute: various programs, various deadlines 301/402-0911

NGS Nat'l Geographic Society: Field Research (write: Committee for Research & Exploration, NGS, 1145 17th St., NW, Washington, DC 20090-8249)

NSF NSF-NIST Interaction in Chemistry, Materials Research, Molecular Biosciences, Bioengineering, and Chemical Engineering, nsf03568, 301/975-8301

NSF Small Grants for Exploratory Research - all NSF fields, nsf042, 301/947-2722

NSF Communicating Research to Public Audiences, nsf03509 703/292-5106

NSF Mathematical Sciences: Infrastructure Program 703/292-4862

NSF Biochemical Engineering & Biotechnology, nsf9921, 703/292-8320

NSF Archaeology Program - High Risk Research in Anthropology, nsf01153, 703/292-8759

NSF Atmospheric Sciences: Aeronomy Program 703/292-8529

NSF Atmospheric Sciences: Atmospheric Chemistry Program 703/292-8522

NSF Atmospheric Sciences: Climate Dynamics Program 703/292-8527

NSF Atmospheric Sciences: Large Scale Dynamic Meteorology Program 703/292-8522

NSF Atmospheric Sciences: Paleoclimate Program 703/292-8527
NSF Atmospheric Sciences: Mesoscale Dynamic Meteorology Program 703/292-8524
NSF Atmospheric Sciences: Physical Meteorology Program 703/292-8524
NSF Atmospheric Sciences: Solar-Terrestrial Research 703/292-8529
NSF Atmospheric Sciences: Magnetospheric Physics 703/292-8519
NSF Atmospheric Sciences: Upper Atmospheric Facilities Program 703/292-8529
NSF Atmospheric Sciences: Lower Atmospheric Observing Facilities Program 703/292-8521
NSF Global Change Research: Climate Modeling, Analysis, and Prediction [CMAP] 703/292-8527
NSF Global Change Research: Geosystems Databases [GEODATA] 703/292-8527
NSF Rsch. Exp. for Undergrads. - REU Supplements - various deadlines, nsf04584, 703/292-4625
NSF Research in Undergraduate Institutions [RUI] - Research Opportunity Awards - deadlines vary with program, nsf05548, 703/292-8803
NSF Facilitation Awards for Scientists and Engineers with Disabilities - nsf02115, e-mail: pubs@nsf.gov
NSF International Programs: Argentina - various deadlines 703/292-8706
NSF U.S./Central and Eastern Europe Program [CEE] 703/292-8703
NSF International Programs: Mexico - various deadlines 703/292-8706
NSF East Asia and Pacific Program - various deadlines 703/292-8704
NSF International Programs: Venezuela - various deadlines 703/292-8706
NSF NATO Advanced Study Institute Travel Awards (for graduate students and recent Ph.D.s) - various institute deadlines 703/292-8630
ONR Office of Naval Research: Information, Electronics, & Surveillance 703/696-4212
http://www.onr.navy.mil/sci_tech
ONR Office of Naval Research: Ocean, Atmosphere, and Space 703/696-4125 http://www.onr.navy.mil/sci_tech
ONR Office of Naval Research: Engineering, Materials, and Physical Science 703/696-4408
http://www.onr.navy.mil/sci_tech
ONR Office of Naval Research: Human Systems http://www.onr.navy.mil/sci_tech 703/696-4501
ONR Long Range Navy and Marine Corps Science & Technology - BAA 05-001 703/696-5031
PC Population Council: Reproductive Biomedicine Fellowships (residencies, NYC) 212/327-8731
<http://www.popcouncil.org>
PEW Pew Charitable Trusts: Advancing Policy Solutions - Education, Environment, and Health & Human Services 215/575-9050 <http://www.pewtrusts.com>
PRF Petroleum Research Fund [American Chemical Society]: Grant Programs - various programs 202/872-4481
<http://www.acs.org/prf/>
RF Rockefeller Foundation: Global Inclusion 212/869-8500
SI Smithsonian Astrophysical Observatory: Visiting Scientist Program email: vsp@cfa.harvard.edu
SLOAN Alfred P. Sloan Foundation: Science & Technology <http://www.sloan.org> 212/649-1649
SLOAN Alfred P. Sloan Foundation: Education and Careers in Science and Technology 212/649-1649
USAFOSR Air Force "Research Interests" - Aerospace and Materials Sciences 703/696-5994
USAFOSR Air Force "Research Interests" - Chemistry and Life Sciences 703/696-5994
USAFOSR Air Force "Research Interests" - Physics and Electronics 703/696-5994
USAFOSR Air Force "Research Interests" - Mathematics and Space Sciences 703/696-5994
USARO U.S. Army Research Laboratory Broad Agency Announcement [BAA] 919/549-4375
USARO U.S. Army Research Office: Young Investigator Program, and Presidential 919/549-4375

Social Sciences

MAR 1

APS American Philos. Society: Phillips Fund Grants for Native American Rsch. 215/440-3429 (write: APS, 104 South Fifth Street, Philadelphia, PA 19106)
APS American Philosophical Society: Library Resident Research Fellowships 215/440-3443 <http://www.amphilsoc.org>
EPFA Epilepsy Foundation of America: Research Grants and Fellowships 800/332-1000
<http://www.epilepsyfoundation.org> >>> Also due: SEP 1 <<<
HMJF Henry M. Jackson Foundation: Grants on International Affairs, Public Service, the Environment, and Human Rights in Russia 206/682-8565 FAX: 206/682-8961 >>> Also due: JUN 1 SEP 1 DEC 1 <<<
HPLA Hoover Presidential Library Association: Travel Grants 800/828-0475 <http://www.hooverassociation.org>
NATO NATO Advanced Study Institutes <http://www.nato.int> >>> Also due: SEP 1 DEC 1 <<<
NSF Presidential Awards for Excellence in Science, Mathematics, and Engineering Mentoring (PAESMEM) - nominations, nsf04525, 703/292-5121
SI Woodrow Wilson Center Fellowships: E. European Studies Short-Term Grants 202/691-4222 >>> Also due: JUN 1 SEP 1 DEC 1 <<<
SI Kennan Institute for Advanced Russian Studies - Short Term Visiting Grants 202/691-4100 >>> Also due: JUN 1 SEP 1 <<<
TINKER Tinker Foundation: Institutional Grants - environmental policy, governance, economic policy - Latin America, Iberia, Antarctica 212/421-6858 >>> Also due: SEP 1 <<<
USIP U.S. Institute of Peace: Solicited Grant Projects <http://www.usip.org> 202/429-3842 >>> Also due: OCT 1 <<<
USIP United States Institute of Peace: Unsolicited Grants <http://www.usip.org> 202/429-3842 >>> Also due: OCT 1 <<<

MAR 7

JSMF James S. McDonnell Foundation: 21st Century Science Initiative - Research Awards 314/721-1532

NSF Research in Disabilities Education [RDE] - optional letter of intent MAR 7, prelims. FEB 28, full proposals APR 18, nsf04610

MAR 8
CORPNCS Corporation for National and Community Service: AmeriCorps National Program 202/606-5000 - phone ext. 391

MAR 10
NSF Ethics Education in Science and Engineering [EESE], nsf05532, 703/292-7272

MAR 11
SAMHSA Drug Free Communities Support Program 240/276-2570

MAR 15
GRFF Gerald R. Ford Foundation: Research Travel Grants Program (to Library) 734/205-0555 >Also due: SEP15<
RSAGE Russell Sage Foundation: Research in Social Sciences 212/750-6000 >>> Also due: AUG15 <<<

MAR 17
SAMHSA Substance Abuse, HIV, & Hepatitis Prevention for Minority Populations 240/276-2400

MAR 22
DHHS Cancer Prevention & Treatment Demonstration for Ethnic & Racial Minorities 410/786-5130

MAR 24
DOJ Grants to Reduce Violent Crimes Against Women on Campus 888/549-9901
NIJ Research on Trafficking in Human Beings 800/851-3420

MAR 28
NSF Assembling the Tree of Life (ATOL) - to construct a phylogeny for the 1.7 million described species of life, nsf05523, 703/292-8470

MAR 31
ASEE NASA Summer Faculty Research Opportunities 202/331-3509
SFCF State Farm Companies Foundation: Doctoral Dissertation Awards in Insurance and Business, email: home.sf-foundation.494b00@statefarm.com

ANY
CAN Canadian Studies Matching Grant Program 202/682-7727
CAS Center for Advanced Study in Behavioral Sciences: Postdoctoral Residential Fellowships - Nominations 650/321-2052 FAX: 650/321-1192
CC Carnegie Corporation: Education <http://www.carnegie.org> 212/371-3200
CC Carnegie Corporation: International Peace and Security 212/371-3200
CC Carnegie Corporation: International Development 212/371-3200
CC Carnegie Corporation: Strengthening U.S. Democracy 212/371-3200
EARTH Earthwatch Institute: Research Program at Earthwatch - prelim. Proposals 978/461-0081
FORD Ford Foundation: Asset Building and Community Development (incl. Economic Development, and Community & Resource Development) 212/573-5000
FORD Ford Foundation: Peace and Social Justice (Human Rights, Governance & Civil Society) 212/573-5000
HEWLETT Hewlett Foundation: Environment Program (West and Energy programs) 650/234-4500
HEWLETT Hewlett Foundation: Population Program 650/234-4500
JLEI Jerome Levy Economics Institute of Bard College: Research Programs FAX: 845/758-1149 PHONE: 845/758-7700 <http://www.levy.org/>
KELLOGG W.K. Kellogg Foundation: Youth and Education 269/968-1611
KELLOGG W.K. Kellogg Foundation: Philanthropy and Volunteerism 269/968-1611
LUCE Henry Luce Foundation: Higher Education Grants 212/489-7700
JSMF James S. McDonnell Foundation: 21st Century Science Initiative - Collaborative Activity Awards 314/721-1532
MF MacArthur Foundation: Global Security and Sustainability – organizations 312/726-5922
MF MacArthur Foundation: Human and Community Development – organizations 312/726-5922
MOTT Mott Foundation: Grant Programs (Civil Society, Environment, Poverty) 810/238-5651
NCF Nathan Cummings Foundation: Grants in Arts & Culture, Environment, Health, and Jewish Life 212/787-7300
NSF Small Grants for Exploratory Research - all NSF fields, nsf042, 301/947-2722
NSF Communicating Research to Public Audiences, nsf03509, 703/292-5106
NSF Archaeology Program - High Risk Research in Anthropology, nsf01153, 703/292-8759
NSF Div. of Social and Economic Sciences: Cross-Directorate Activities [CDA] 202/292-7291
NSF Social, Behavioral, & Economic Rsch: Doctoral Dissertation Research Improvement Grants - various deadlines, nsf01113, 703/292-8740
NSF Rsch. Exp. for Undergrads. - REU Supplements - various deadlines, nsf04584 703/292-4625
NSF Research in Undergraduate Institutions [RUI] - Research Opportunity Awards - deadlines vary with program, nsf05548, 703/292-8803
NSF Facilitation Awards for Scientists and Engineers with Disabilities, nsf02115, e-mail: pubs@nsf.gov
RBF Rockefeller Brothers Fund: Sustainable Development Program 212/812-4200 <http://www.rbf.org/>
RBF Rockefeller Brothers Fund: Peace and Security Program <http://www.rbf.org/> 212/812-4200
RBF Rockefeller Brothers Fund: Democratic Practice Program 212/812-4200
SJI State Justice Institute: Grants - letters of application accepted anytime 703/684-6100
SLOAN Alfred P. Sloan Foundation: Standard of Living and Economic Performance 212/649-1649
USMC Marine Corps Historical Center: Research Grants 202/433-4244

WGF Wenner-Gren Foundation for Anthropological Research: Historical Archives 212/683-5000
WGF Wenner-Gren Foundation for Anthropological Research: International Symposia 212/683-5000

Education

MAR 1

NSF Interagency Education Research Initiative [IERI] - letter of intent MAR 1, full proposals APR 6, nsf04553, 703/292-5146

MAR 11

ED Campus-Based Programs - various deadlines for funding or waivers 202/377-3174 >>> Also due: FEB11 <<<

MAR 14

ED College Assistance Migrant Program 202/260-1396ED High School Equivalency Program [HEP] 202/260-1396NEA Access to Artistic Excellence 202/682-5400 >>> Also due: AUG15 <<<

MAR 18

NSF Informal Science Education - preliminary proposals due, nsf05544, 703/292-5117 >>> Also due: SEP16 <<<

MAR 31

NSF Evaluative Research and Evaluation Capacity Building [EREC] - intent due MAR 31, full proposals due MAY 15, nsf05529, 703/292-5156

ANY

CC Carnegie Corporation: Education <http://www.carnegie.org> 212/371-3200

KELLOGG W.K. Kellogg Foundation: Youth and Education 269/968-1611

SLOAN Alfred P. Sloan Foundation: Education and Careers in Science and Technology 212/649-1649

SPENCER Spencer Foundation: Major Research Grants - preliminary proposals 312/274-6511

SPENCER Spencer Foundation: Small Research Grants <http://www.spencer.org> 312/274-6509

TOYOTA Toyota USA Foundation: Grants in K-12 Education [especially in math and science] <http://www.toyota.com> 212/715-7486

International

MAR 1

UVA University of Virginia: Albert Gallatin Fellowships in International Affairs (at University of Geneva, Switzerland) - dissertation level 434/924-3033

HMJF Henry M. Jackson Foundation: Grants on International Affairs, Public Service, the Environment, and Human Rights in Russia PHONE: 206/682-8565 FAX: 206/682-8961 >>> Also due: JUN 1 SEP 1 DEC 1 <<<

NATO NATO Advanced Study Institutes <http://www.nato.int> >>> Also due: SEP 1 DEC 1 <<<

SI Woodrow Wilson Center Fellowships: E. European Studies Short-Term Grants 202/691-4222 >>> Also due: JUN 1 SEP 1 DEC 1 <<<

SI Kennan Institute for Advanced Russian Studies - Short Term Visiting Grants 202/691-4100 >>> Also due: JUN 1 SEP 1 <<<

TINKER Tinker Foundation: Institutional Grants - environmental policy, governance, economic policy - Latin America, Iberia, Antarctica 212/421-6858 >>> Also due: SEP 1 <<< MAR 3

CERN European Lab. for Particle Physics [CERN]: The Fellowship Programme >>> Also due: SEP 2 <<<

MAR 10

NSF Partnerships for International Research and Education, nsf05533, 703/292-8711

MAR 11

CERN The Scientific and Corresponding Associates Programme (write: Recruitment Service, CERN, CH-1211 Geneva 23, Switzerland) >>> Also due: SEP13 <<<

ITS Institute of Turkish Studies: Grants Program 202/687-0295 MAR 15AID Transition to Democracy in Cuba 202/712-0551

DOA Dept. of Agriculture/International Cooperation and Development/Foreign Agricultural Service: Scientific Cooperation Research Program 202/720-0618

MAR 17

DOS Partnerships for Learning [P4L] Afghanistan Global Connections and Exchange Program - ECA/PE/C/PY-05-27, 202/203-7513

MAR 18

DOS FY 2006 Hubert H. Humphrey Fellowship Program 202/205-8434

NSF Synthesis of Arctic System Science, nsf05525, 703/292-8029

MAR 24

DOS Youth Leadership Program for Bosnia and Herzegovina - ECA/PE/C/PY-05-25, 202/203-7502

DOS Partnerships for Learning [P4L] Thematic Youth Projects Initiative: Linking Individuals, Knowledge, and Culture [LINC] - ECA/PE/C/PY-05-24, 202/203-7502

ANY

AVHF Alexander von Humboldt Foundation: Research Fellowships (for young post- doctoral scholars) PHONE: 202/783-1907 FAX: 202/783-1908

CAN Canadian Studies Matching Grant Program 202/682-7727

CC Carnegie Corporation: International Peace and Security 212/371-3200

CC Carnegie Corporation: International Development 212/371-3200

CIES Fulbright Senior Specialists Program 202/686-6243

CRDF U.S. Civilian R&D Foundation for Former Soviet Union: Grant Assistance Program 703/526-9720

<http://www.crdf.org>
EURASIA Eurasia Foundation: Grants to Organizations (to advance economic and democratic reform in the NIS) 202/234-7370 <http://www.eurasia.org/grant.html>
GMF German Marshall Fund: Grant Program 202/745-3950
IUAC International Union Against Cancer: Technology Transfer F'ships (3, rue du Conseil-General, 1205 Geneva, Switzerland) <http://fellows.uicc.org/>
LUCE Henry Luce Foundation: Higher Education Grants 212/489-7700
MF MacArthur Foundation: Global Security and Sustainability – organizations 312/726-5922NSF International Programs: Argentina - various deadlines 703/292-8706
NSF Developing Global Scientists and Engineers - Doctoral Dissertation Enhancement Project [DDEP] proposals, nsf04036, 703/292-8710
NSF U.S./Central and Eastern Europe Program [CEE] 703/292-8703
NSF International Programs: Mexico - various deadlines 703/292-8706
NSF East Asia and Pacific Program – various 703/292-8704
NSF International Programs: Venezuela - various deadlines 703/292-8706
NSF NATO Advanced Study Institute Travel Awards (for graduate students and recent Ph.D.s) - various institute deadlines 703/292-8630
RBF Rockefeller Brothers Fund: Sustainable Development Program 212/812-4200 <http://www.rbf.org/>
RBF Rockefeller Brothers Fund: Peace and Security Program <http://www.rbf.org/> 212/812-4200
RBF Rockefeller Brothers Fund: Democratic Practice Program 212/812-4200
RF Rockefeller Foundation Fellowships in the Humanities - for individuals - various institute deadlines 212/869-8500
WGF Wenner-Gren Foundation for Anthropological Research: International Symposia 212/683-5000

Health Related

MAR 1

CRI Cancer Research Institute: Investigator Award in Cancer Immunology & General Immunology <http://www.cancerresearch.org> 212/688-7515
DHHS Family Planning Service Grants - deadlines vary by region 301/594-0758
HRSA Maternal and Child Health Research Program [MCHR] 877/477-2123 >>> Also due: JUL29 SEP 1 <<<
HRSA National HIV Training and Technical Assistance Coop. Agreements [NHTTACA] 877/477-2123
LSA Leukemia & Lymphoma Society: Translational Research Program - pre-apps. 914/821-8843
SCHOLL Dr. Scholl Foundation Grants (write for guidelines and application: 1033 Skokie Boulevard, Suite 230, Northbrook, IL 60062) 847/559-7430

MAR 30

CDC Youth Violence Prevention Through Community-Level Change - CE05-020 770/488-2700

ANY

IUAC International Union Against Cancer: Technology Transfer F'ships (3, rue du Conseil-General, 1205 Geneva, Switzerland) <http://fellows.uicc.org/>
JMJF Josiah Macy, Jr. Foundation: Medically-Oriented Grants 212/486-2424
KELLOGG W.K. Kellogg Foundation: Health 269/968-1611
MARKLE John and Mary R. Markle Foundation: Grants and Projects in Health and National Security <http://www.markle.org> 212/713-7600
NCF Nathan Cummings Foundation: Grants in Arts & Culture, Environment, Health, and Jewish Life 212/787-7300
RWJF Robert Wood Johnson Foundation: Unsolicited Projects <http://www.rwjf.org> 888/631-9989
TRF Thrasher Research Fund: Child Health Research 801/240-4720

Unrestricted/Other

MAR 1

DOC NTIA/Public Telecommunications Facilities Program FAX: 202/482-2156 PHONE: 202/482-5802

MAR 3

CPB Corporation for Public Broadcasting: Public Radio Program Fund 202/879-9810

MAR 15

IMLS Inst. of Museum & Library Services: 21st Century Museum Professionals 202/606-8548

MAR 31

SFCF State Farm Companies Foundation: Doctoral Dissertation Awards in Insurance and Business email: home.sf-foundation.494b00@statefarm.com

ANY

AVHF Alexander von Humboldt Foundation: Research Fellowships (for young post-doctoral scholars) PHONE: 202/783-1907 FAX: 202/783-1908
CAS Center for Advanced Study in Behavioral Sciences: Postdoctoral Residential Fellowships - Nominations PHONE: 650/321-2052 FAX: 650/321-1192
DOC Economic Development Assistance Programs 215/597-4603
FORD Ford Foundation: Knowledge, Creativity & Freedom (Education, Sexuality, Religion, Media, Arts & Culture) 212/573-5000
LUCE Henry Luce Foundation: Higher Education Grants 212/489-7700
MARKLE John and Mary R. Markle Foundation: Grants and Projects in Health and National Security <http://www.markle.org> 212/713-7600
NTHP Nat'l Trust for Historic Preservation: Preservation Services Fund - OCT 1 plus other deadlines determined by

regional offices - call for info 202/588-6000
RBF Rockefeller Brothers Fund: Peace and Security Program <http://www.rbf.org/> 212/812-4200
RBF Rockefeller Brothers Fund: Democratic Practice Program 212/812-4200
SPENCER Spencer Foundation: Major Research Grants - preliminary proposals 312/274-6511
SPENCER Spencer Foundation: Small Research Grants <http://www.spencer.org> 312/274-6509

Calendar

Internal Meetings & Deadlines:

▣ **IACUC Meetings: March 4, April 11**

March 4 - 2 p.m.

April 11 - 3 p.m. (tentative)

Biology Conference Room

Protocols are due 10 days prior to meeting to John Hancock, 341 Woods Hall.

▣ **IRB Meetings: March 17, April 21**

(3rd Thursday of each month)

9 a.m.

335 Woods Hall

Protocols are due 10 days prior to meeting to John Hancock, 341 Woods Hall.

▣ **UM-St. Louis Small Grants Deadline: March 14**

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. Special consideration will be given to junior faculty to assist them in establishing a strong research record and to projects with potential for external funding. http://www.umsl.edu/services/ora/docs/2005_Smal_Grants.doc

▣ **Chancellor's Award for Research and Creativity -- Nominations Deadline: April 18**

The purpose of this annual award is to honor a full-time, regular faculty member who has demonstrated superior achievement in a program of research and creativity. The award will be presented at the Chancellor's State of the University Address in Fall 2005.

http://www.umsl.edu/services/ora/docs/FY05_Chancellor_Award.doc

Upcoming Events & Training

▣ **High Performance Computing Day**

Friday, March 4, 2005

Dell Computer Corporation has been a long-time partner with the University of Missouri to provide cost-effective computer technology. To celebrate Dell's support for UMSL's first and second generations of high-performance Cluster computing, we have organized High Performance Computing Day at UMSL, with Dell's kind sponsorship.

On Friday, March 4, we will hear presentations from research faculty at UMSL as well as leading experts in Cluster Computing from NCSA, Intel and Dell. Please come to the Millennium Student Center, Century Room A for exciting talks and discussion about how your research can benefit from Cluster Computing, and the latest technical developments.

The Day is open to UM faculty, staff and students. A light lunch will be served. Please register below so we can plan refreshments. We look forward to seeing you there.

More Info/Register: <https://tomsawyer.umsl.edu/webapps/weboffice/hpc/login.cfm>

▣ **Spring Training Events at the Center for Emerging Technologies**

This spring there will be seven Wednesday afternoon sessions (2 to 5 p.m. plus a happy hour) targeted at

tech entrepreneurs and professional service providers. The first five sessions will cover Intellectual Property (IP).

- **February 16:** IP 1, Getting Information from the Inventor -- Tom Nutter, Gallop Johnson & Neuman
- **March 2:** IP 2, What Happens at the P&T Office -- Harley Blosser, Sonnenschein Nath & Rosenthal; Mickki Murray, Sonnenschein (invited); Kathleen Petrillo, Senniger Powers (invited)
- **March 23:** IP 3, International Issues -- Kurt James, Senniger Powers (invited)
- **April 6:** IP 4, Transactional Issues (value extraction, licensing, etc.) -- John Kepler, Polsinelli Shalton Welte Suelthaus; Tom Nutter, Gallop Johnson & Neuman; Tom Walsh, Sonnenschein (invited); Brian Behrens, Sonnenschein (invited)
- **April 20:** IP 5, Life Sciences, Pharma, etc., Issues -- Mike Marrah, Sonnenschein (invited); Jeff Boone, Mallinckrodt (invited); Brian Stierwalt, Sigma-Aldrich (invited); Mike Warner or Scott Williams, Pfizer (invited)

On each date a senior IP attorney will present an outline of the material to be covered and the major points of interest in the area. Following that a short presentation of cases relevant to establishing the major points, fine points and recent decisions will be presented by law interns. Following a break, one or more senior IP attorneys will review the material covered, inject personal comments and lead discussion to clarify the subject.

We are applying for 3 CLE hours for each event from the Missouri Bar and CPEs from the Missouri CPA Association. The cost per event will be \$40 for entrepreneurs and \$50 for 3 credits.

Two later events (May 4 and May 25) will cover Valuation with Fred Craves, Bay City Capital (San Francisco), and Tom Melzer, RiverVest, are two of the confirmed speakers.

Location: Center for Emerging Technologies
4041 Forest Park Ave, St. Louis, MO 63108

More Information : Contact Bill Simon at 314/615-6908 or bsimon@emergingtech.org

Register: intern@emergingtech.org

▣ **FastTrac Tech™** is a 10-week business planning and development course designed specifically for technology-based entrepreneurs by the Kauffman Foundation. Faculty includes: IP professionals, attorneys, venture capitalists, angel investors, technology transfer specialists, SBIR/STTR experts, marketing professionals, public relations and human resources professionals, and more.

Dates: March 1 - May 3, 2005 (10 consecutive Tuesday evenings)

Time: 6:30 to 9 p.m.

Location: TBA

Information/Registration: Contact Greg Tucker at 314/631-5327, tuckergd@missouri.edu, or Wayne Harvey at 314/631-5509, harveywa@missouri.edu.

Tuition: UM-St. Louis faculty and staff qualify for a tuition scholarship of \$400 (all others are \$795).

Course Topics:

- Introduction & Overview of Entrepreneurship
- Management and Organization
- Product/Service Development Plan
- Marketing Plan
- Operating and Control System Plan
- Financial Plan
- Growth Plan
- Finalizing the Business Development Plan
- The Next Steps

▣ **InvestMidwest Venture Capital Forum:** The main goal of InvestMidwest is to provide access to capital for emerging, privately held companies and to promote greater entrepreneurship, business

growth and expansion in the Midwest. InvestMidwest will bring together 200-250 of the country's leading venture capitalists, angel investors, investment bankers, and accounting and legal professionals for presentations by an anticipated 30 emerging growth businesses seeking funding.

The forum is supported by the National Venture Capital Association (NVCA). For the first time, InvestMidwest will have two separate industry tracks of companies presenting concurrently: a life science track and a technology/general business track. The anticipated 30 presenting companies will be seeking investment funding from \$1 million to \$20 million.

Dates: April 20-21, 2005

Location: Ewing Marion Kauffman Foundation- Kansas City, Missouri

Information/Registration: Call 314-444-1151, email investmidwest@stlrcga.org, or visit <http://www.investmidwestforum.com> (online registration available)