

RESEARCH NEWS

From the Office of Research and Sponsored Programs - Serving the Research Community of Wright State University

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201J University Hall Telephone 775-2425

Celebrating Innovation and Inventors *"Invention to Market 2003"*

Capitalizing on last year's Technology Showcase, we have again organized an annual technology forum combining technology marketing informational seminars and a technology showcase of WSU inventions. This year's theme for this free event is "From Invention to Market 2003." It will take place on May 7, 2003 in the Student Union. The forum is for *everybody* at Wright State University, but more specifically for graduate and post-graduate students as well as faculty and researchers. Detailed information on the program is available at www.wright.edu/techtransfer/itm, where you are also encouraged to register.

The "Invention to Market" technology forum is a vehicle we are using to fulfill part of WSU's mission to participate in the local eco-



conomic growth through job creation as well as better education. Along these lines, Wright State University needs to expand its partnerships with a variety of players, notably from industry, as well as raise interest from capital and investment organizations in order to support WSU-initiated entrepreneurship through company spin-off. The success of such dual effort is only possible through:

- better information of researchers *at all levels* about the technology transfer process and requirements,
- productive collaboration between researchers and administration through the technology transfer office, and
- coordinated momentum between researchers and technology transfer to refine Wright State University's image toward generating a marketing appeal.

If you have such questions as, "When do I need to protect

my ideas? What are the means available to protect my discoveries and/or inventions?

What happens to my technology once disclosed to the tech transfer office? How does the tech transfer office decide whether

or how to protect my technology? How can I help? How are commercial partners identified?"...then, the seminars and showcase at the "Invention to Market" technology forum are for you. They will enlighten you on how to interact more efficiently with the technology transfer office in order to transfer your inventions to the market place and thereby more actively participate in the local economic development.

See "Celebrate" on page 10

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Sponsor Alerts

National Institutes of Health

The National Institutes of Health released the following announcements affecting NIH policy:

Final Statement on Sharing Research Data

Starting with the October 1, 2003 receipt date, investigators submitting an NIH application seeking \$500,000 or more in direct costs in any single year are expected to include a plan for data sharing or state why data sharing is not possible. Applicants are encouraged to discuss their data sharing plan with their program contact at the time they negotiate an agreement with the Institute/Center (IC) staff to accept assignment of their application as described at <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-02-004.html>. NIH expects and supports the timely release and sharing of final research data from NIH-supported studies for use by other researchers. You will find the complete final NIH statement on sharing research data at <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-03-032.html>.

Reminder to Submit Complete and Up-To-Date Other Support Information

NIH requires submission of complete and up-to-date "other support" information before an award can be made. Information on other support assists the awarding agency staff in the identification and resolution of potential overlap of support. Other support includes all financial resources, whether Federal, non-Federal, commercial or institutional, available in direct support of an individual's research endeavors, including but not limited to research grants, cooperative agreements, contracts, and/or institu-

tional awards. Training awards, prizes, or gifts are not included. Applicants should not include information on other support in the PHS 398 competitive grant application submission, but should be prepared to follow "just-in-time" procedures to submit current other support information upon the request of NIH Institute/Center staff when the application is under consideration for funding. Grantees must also report any changes in other support as a part of the annual progress report. For more details, see Notice NOT-OD-03-029 at <http://grants2.nih.gov/grants/guide/notice-files/NOT-OD-03-029.html>.

Salary Limitation on Grants, Cooperative Agreements and Contracts under the Current Continuing Resolution

The Department of Health and Human Services Appropriation Act for FY 2003, Public Law 107-116, restricts the amount of direct salary of an individual under an NIH grant, cooperative agreement, or applicable contract to Executive Level I of the Federal Executive Pay Scale. The Executive Level I annual salary rate is \$166,700 for the period January 1 through December 31, 2002. Effective January 1, 2003, the Executive Level I salary level increased to \$171,900. When the final FY 2003 Appropriation is enacted, NIH will publish their annual Guide Notice on the legislative mandates included therein with additional information on salary caps.

HIPAA Compliance

Research Involving Human Subjects

In projects that involve the collection from subjects of personally identifiable medical information, specific information must be given to subjects as required by the Health Insurance Portability and Accountability Act (HIPAA).

The Office of Research and Sponsored Programs has revised its Consent Form/Cover Letter guidelines to incorporate guidance for complying with the HIPAA. Investigators have the option to revise existing consent forms to be in compliance with these new requirements, or to attach an appendix to the existing consent form that will serve to make the entire consent form HIPAA-compliant. The complete Consent Form/Cover Letter guidelines are located on the RSP Website at http://www.wright.edu/rsp/IRB/Consent_Guide.doc.

National Science Foundation

The National Science Foundation issued the following FastLane Advisory on February 7, 2003:

Improved Navigation for Preparing Budgets Available Beginning March 10, 2003

The budget screens within FastLane are being redesigned to improve navigation. The new budget screens will be available for Proposal Preparation, Revised Proposal Budget, PI Transfer and Addition of SubAward. The new budget summary screen allows you to add/delete budget years and budget organizations, change the PI and organization, and access the budget form and budget justification from a single screen. The new screens also give you the ability to delete multiple budget years simultaneously; to delete multiple budget organizations simultaneously; and to search for organizations by DUNS ID when adding budget organizations.



Notes From the Director

The portion of a Principal Investigator's budget that pays for "facilities and administration" (otherwise known as "overhead" or "indirect costs") is based on a rate that is negotiated with the federal government. WSU's current rate agreement expires at the end of June! Not to worry, though, because the Controller's Office has successfully negotiated new rates to go into effect on July 1. By the time you read this, the

agreement should be fully signed and official, and we will make an announcement that explains how to make the transition to the new rates.

We are pretty sure at this point that the new rate for on-campus research will increase slightly from the current 43% to 43.5%, and that the 43.5% figure will remain in place for at least the next four years. (See the chart below for information on the rates for all categories.)

Most researchers at Wright State have a good understanding

of the costs involved in doing their projects, including costs for facilities and administration. I have experienced remarkably little contention with respect to the latter, compared to my previous experiences at the University of California and the University of Chicago. Perhaps this is because we have a lot of useful background information on the RSP website. But if there are any issues concerning "overhead" that you would like additional information about, please don't hesitate to contact me.

Bill

F & A Rates -

On-Campus Research	43.5%
Off-Campus Research	26.0%
On-Campus Other Sponsored Activities	28.0%
Off-Campus Other Sponsored Activities	21.0%

Note: the 15% exception rate for contracts with Ohio-based industries and organizations remains the same.

Research Incentive Awards

RSP is pleased to announce the award recipients for the FY 2003 Research Incentive Program. The Research Initiation competition attracted 5 proposals of which 3 were

selected for funding for a total of \$30,000. There were 11 proposals in response to the Professional Development competition with 8 awarded for a total of \$22,449.

Professional Development

Songlin Cheng	COSM	<i>Development of Geographic Information System (GIS) Based Tool for Geological Information Acquisition</i>	\$1,699
Charles Gulas, Barbara Denison	RSCOB	<i>E-Business Development</i>	\$3,000
Scott Graham	CEHS	<i>On-Line Assessment of Midlevel Health Care Leaders</i>	\$3,000
Allen Hye	COLA	<i>Ordnung und Sicherheit: The Need for Order and Security in German Culture and Society</i>	\$3,000
Kathryn Meyer	COLA	<i>Police Power and Corruption in the Garden of Grand Vision, Harbin, China, 1940</i>	\$3,000
Richele O'Connor	CEHS	<i>Film at Eleven: The First Ever Middle Level Cohort Presents at the National Media Education Conference</i>	\$3,000
Paulette Olson	RSCOB	<i>The Employment Experience of Vietnamese Women in the Transition to a Market Economy</i>	\$2,750
David Petreman	COLA	<i>Research/write book on Francisco Coloane</i>	\$3,000

Research Initiation

Raymond Hill	CECS	<i>Advanced Heuristic Optimization for Planning and Re-Planning Applications and Systems</i>	\$10,000
Thomas Macaulay	COLA	<i>Contemporary Native American Sculpture</i>	\$10,000
Mill Miller	COSM	<i>Examining HIV-1 Rev-microtubule Interactions in Live Cells</i>	\$10,000

WSU Enlists in the Third Frontier Project

Wright State University wants to be a partner in the State of Ohio's Third Frontier Project, Governor Taft's economic development program created to support high-tech research and the promotion of start-up companies. The governor believes that the investment of these funds will result in additional federal and private sector support that will make Ohio a leader in high-tech, high wage jobs within the next decade.

The Third Frontier Project represents

- ◆ a commitment of \$500 million over the next ten years through the Technology Action Fund and the Biomedical Research and Technology Fund,
- ◆ a proposed ten-year \$500 million capital improvement program to improve research facilities,
- ◆ the initiation of a \$500 million bond program to provide necessary resources to recruit world class researchers and bring state-of-the-art products to market,
- ◆ and the creation of a \$100 million Innovation Ohio Fund that will invest in industries targeted as prospective high-growth, high wage possibilities.

Another significant feature of the Third Frontier Project is the creation of a high-speed telecommunications system dedicated to linking Ohio colleges and research facilities. The objective of the Third Frontier Network is to construct a core fiber backbone that will link fifteen geographically dispersed hubs throughout the state. These hubs will then be linked to institutions of higher education in Ohio with the aim to eventually stimulate telecommunications investments that will support additional connectivity for communities, businesses, and research facilities. This network will enable collaboration between all participants in state-of-the-art research projects. (For more information on the Third Frontier Network, go to <http://www.tfn.oar.net/projectoverview.htm>.)

During this past fiscal year, Wright State University has submitted four proposals to different sectors of the Third Frontier Program, one to the Wright Brothers Capital Fund, one to the Wright Centers of Invention, and two to the Biomedical Research and Technology Transfer Commission (BRTTC). We look forward to the upcoming award announcements and hope that we may have some good

news to report in the future. We also encourage faculty and staff to consider submitting a proposal in the next round of Request for Proposals (RFP's) for the Third Frontier Project. The Third Frontier Project Website is located at <http://www.connectohio.com/3rdfrontier/> At this site, you will find updates from the governor's office, announcements of RFP's, and links to other sites connected with the Third Frontier Project.

The next competition for the BRTTC program will be announced in May 2003. For information on the BRTTC and the upcoming RFP announcement, please go to their Website at <http://www.regents.state.oh.us/brtt/>.

The Technology Action Fund does not have any current RFP's, but you may check their Website at <http://www.odod.state.oh.us/taf.htm> for any updates and information on upcoming RFP's.



Overview of the Office of Research and Sponsored Programs

The Office of Research and Sponsored Programs (RSP) works with faculty and staff to increase externally funded research and other sponsored programs. RSP staff provides the following services:

- Identification of External Sources of Funding
- Dissemination of Funding Information
- Liaison with Sponsors
- Proposal Development and Preparation
- Budget Preparation
- Institutional Compliance
- Institutional Authorization
- Proposal Transmittal
- Contract Negotiations
- Post-Award Administration of Externally Funded Programs

- Administration of Internally Funded Programs
- Technology Transfer
- Government Security

Research News and *Funding Update* are publications of RSP. *Research News*, published periodically during the academic year, covers grant awards and related topics of interest. Descriptions and deadlines of upcoming programs are listed in RSP's electronic publication, *Funding Update*, available at <http://www.wright.edu/rsp>.

If you would like to be placed on the mailing list or would like further information on funding opportunities, application procedures, or other services provided by the office, please contact us (ext. 2425, rsp@wright.edu) or visit the office in 201J University Hall.

AWARDS

The grants and contracts on these pages were awarded from January 2003 through March 2003

College of Education and Human Services

Gayle, G. William

*A Collaborative University Approach
to Training in Adapted Physical
Education with Emphasis on
Low-Incidence Disabilities*
Ohio State University
\$74,000

Helms, Ronald G.

McLellan, Marjorie L.
Teaching American History Grant
Dayton Public Schools
\$242,810

Helms, Ronald G.

*Professional Growth in the Wright
Direction*
Ohio Department of Education
\$12,000

College of Engineering and Computer Science

Bourbakis, Nikolaos G.

*IntelliStitch AI: Intelligent
Computerized Embroidery Design
Automation for the Textile Industry*
Soft Sight, Inc.
\$173,107

Bourbakis, Nikolaos G.

Garcia, Oscar N.
Priorities in Graduate Education
Ohio Board of Regents
\$82,766

Garber, Fred D.

Sensor ATR Technology
Sverdrup Technology, Inc.
\$67,190

Garcia, Oscar N.

*Priorities in Graduate Education
(Computer Science)*
Ohio Board of Regents
\$115,948

Grandhi, Ramana V.

*Computational Mathematics for
Determining Uncertainty Bounds in
Multi-Valued Engineering Design*
DoD, Air Force Office of Scientific
Research (AFOSR)
\$62,206

Grandhi, Ramana V.

Penmetasa, Ravi C.
*Multidisciplinary Design Optimization
for High Reliability and Robustness*
DoD, Office of Naval Research
\$25,000

Grandhi, Ramana V.

Penmetasa, Ravi C.
*Multidisciplinary Design Optimization
for High Reliability and Robustness -
DAGSI Cost Share*
Dayton Area Graduate Studies Institute
(DAGSI)
\$17,000

Hangartner, Thomas N.

*Postmenopausal Evaluation and Risk
Reduction*
Pfizer, Inc.
\$41,161

Hangartner, Thomas N.

*Evaluation of a Novel Treatment for
Osteoarthritis of the Knee*
Procter & Gamble Company
\$3,429

Hong, Lang

*Multirate Interacting Multiple Model
Fusion*
MRLets Technologies, Inc.
\$35,000

Hong, Lang

*Terrain/Feature Aided Tracking and
Finger-Printing*
Anteon Corporation
\$30,000

Misra, Pradeep

*Development and Maintenance of IEEE
Control System Society Web Site*
Institute of Electrical and Electronics
Engineers, Inc. (The)
\$18,876

Mukhopadhyay, Sharmila M.

High Pressure Plasma Processes
Procter & Gamble Company
\$33,416

Narayanan, Sundaram

Perform Scalability Analysis
Lexis-Nexis
\$25,608

Rizki, Mateen M.

*Hybrid Evolutionary Learning for
Pattern Recognition Contract (HELPR)
to Three-Dimensional Target
Classification*

DoD, Air Force, Air Force Research
Laboratory
\$98,000

*The staff of the Office of Research and Sponsored Programs congratulates those receiving external funds,
and we encourage those with unfunded proposals to consult with us about resubmission.*

Shang, Joseph J.S. <i>Investigation of Microwave Attenuation in Plasma</i> DoD, Air Force Office of Scientific Research (AFOSR) \$160,923	Dockery, Jane L. <i>Assessing the Family Stability Program in Greene County, Ohio</i> Greene County Family and Children First Council \$633	College of Science and Mathematics Alvarez, Francisco J. <i>CAREER - Maturation of Synaptic Properties During Early Postnatal Development</i> NSF, Faculty Early Career Development (CAREER) \$96,414
Shaw, Arnab K. <i>Controlling the Apparent Vocal Effort of Synthetic Speech</i> Veridian Engineering \$36,262	Dustin, Jack L. <i>Urban Projects - Urban Universities Linkage</i> Ohio Board of Regents \$56,762	Alvarez, Francisco J. <i>REU Supplement: CAREER - Maturation of Synaptic Properties During Early Postnatal Development</i> NSF, Research Experiences for Undergraduates \$4,250
Slater, Joseph C. <i>Semi-Active Vibration Control of Fan Blades</i> Universal Technology Corporation \$9,192	Dustin, Jack L. <i>Miami Valley Regional Planning Commission (MVRPC) Vision Statement</i> Fred Bartenstein & Associates \$22,000	Alvarez, Francisco J. <i>REU Supplement: CAREER - Maturation of Synaptic Properties During Early Postnatal Development</i> NSF, Research Experiences for Undergraduates \$4,250
Srinivasan, Raghavan <i>Continuous Severe Plastic Deformation Processing of Aluminum Alloys</i> U.S. Department of Energy \$215,000	Dustin, Jack L. <i>City of Troy Graduate Research Assistant</i> City of Troy \$5,236	Arasu, Krishnasany T. <i>Arrays over Small Phase Having Desirable Correlation Properties</i> NSF, Research Experience for Teachers \$20,000
Thomas, Scott Keith <i>Aircraft Mechanical/Thermal Technology Research</i> DoD, Air Force, Air Force Research Laboratory \$5,000	Dustin, Jack L. <i>City of Troy Graduate Research Assistant</i> City of Troy \$3,831	Arlan, Larry G. <i>Allergy Studies</i> Clorox Company, The \$20,000
Wolff, J. Mitch Menart, James A. <i>Computational Aerothermodynamics</i> DoD, Air Force, Air Force Research Laboratory \$50,000	Dustin, Jack L. <i>Hope VI Project Graduate Research Assistant</i> Dayton Metropolitan Housing Authority \$2,500	Arlan, Larry G. <i>Determination of House Dust Allergens</i> More Than One Source of Support \$2,252
College of Liberal Arts	McLellan, Marjorie L. <i>Teaching American History Grant</i> Dayton Public Schools \$160,055	Arlan, Larry G. <i>House Dust Mite Purity Analysis</i> More Than One Source of Support \$100
Dobson, Frank E. <i>Student Achievement in Research and Scholarship (STARS)</i> Miami University \$13,455	College of Nursing and Health	Basista, Beth A. Mathews, Susann M. Tomlin, James H. Farrell, Ann M.
Dockery, Jane L. <i>Abbreviated Health Needs Assessment</i> Montgomery County Family and Children First Council \$840	Praeger, Susan G. <i>Wellness Wednesdays: Television Broadcast Strategies to Promote Healthy Vision 2010 Objectives</i> Social & Health Services Ltd. \$10,000	<i>West/Central Ohio Center of Excellence in Learning Science and Mathematics (EXCEL Center)</i> Ohio State University \$125,000

Battino, Rubin	Fox, Jane Lee	Gilpin, Roger K.
Seybold, Paul G.	<i>Coronas and Escape from the Martian Atmosphere, Ancient and Modern</i>	Solch, Joseph G.
<i>Factors Influencing the Solubility of Gases in Liquids</i>	NSF, Miscellaneous	Gilpin, Christina R.
Camille and Henry Dreyfus Foundation, Inc.	\$29,863	<i>Studies of Selected PCDDs and PCDFs in High Throughput Agrochemical Processes</i>
\$10,000	Fox, Jane Lee	ATANOR
Bennett, Kevin B.	<i>Alpha Workstation for Use in Planetary Atmospheres Modeling</i>	\$13,178
<i>Representing Plan Execution in a Dynamic Battlefield Environment</i>	National Aeronautics and Space Administration	Gilpin, Roger K.
Micro Analysis and Design, Inc.	\$13,000	<i>Measurements of Dioxins and Furans In Environmental Samples</i>
\$9,850	Fox, Jane Lee	U.S. Environmental Protection Agency
Burton, G. Allen	<i>Participation in the TIMED Spacecraft IDS Team of Janet U. Kozyra (University of Michigan)</i>	\$7,520
<i>Evaluation of Nickel Effect Levels in Freshwater Sediments</i>	University of Michigan	Gilpin, Roger K.
Nickel Producers Environmental Research Association, Inc.	\$1,196	Rukunda, Farai
\$41,250	Foy, Brent D.	Gilpin, Christina R.
Burton, G. Allen	Reo, Nicholas V.	<i>Studies of Selected CDPE in High Throughput Processes</i>
McWilliam, Ruth A.	Svobodny, Thomas P.	Solutia, Inc.
<i>Chronic Toxicity of Lead in Freshwater Sediment</i>	<i>Bioinformatic Support for Toxicogenomics</i>	\$6,000
International Lead Zinc Research Org., Inc.	Dayton Area Graduate Studies Institute (DAGSI)	Gilpin, Roger K.
\$34,600	\$19,500	Rukunda, Farai
Carmichael, Wayne W.	Gilkey, Robert H.	Gilpin, Christina R.
<i>Characterization of Cyanobacteria Secondary Metabolites</i>	<i>Use of Auditory Displays</i>	<i>Quantitation of Selected CDPE's in Groundwater</i>
More Than One Source of Support	Veridian Engineering	Brookside Labs
\$18,403	\$70,003	\$1,000
Feld, William A.	Gilkey, Robert H.	Grasman, Keith A.
<i>Single Ionic Conducting Polymer Electrolyte</i>	<i>Target Detection in Virtual Environments</i>	<i>Assessment of Pollutants and Health Effects in Wild and Captive Birds</i>
University of Dayton	Veridian Engineering	Canadian Wildlife Service
\$37,412	\$20,200	\$3,020
Fox, Jane Lee	Gilpin, Roger K.	Hauser, Ernest C.
<i>Coupled Models of Planetary Thermospheres/Ionospheres</i>	Rukunda, Farai	<i>Geological Studies of Troy Street Property</i>
National Aeronautics and Space Administration	<i>State of Ohio Sludge Program</i>	Gravel Quarry Association, LLC
\$88,213	More Than One Source of Support	\$1,955
Fox, Jane Lee	\$28,950	Katovic, Vladimir
<i>Oxygen Escape from Mars, Venus and Earth</i>	Gilpin, Roger K.	<i>Synthesis and Development of Elevated Temperature Electrocatalysts for Alcohol Based Fuel Cells</i>
Johns Hopkins University	<i>Measurements of Dioxins and Furans In Environmental Samples</i>	Universal Energy Systems, Inc. (UES, Inc.)
\$45,000	U.S. Environmental Protection Agency	\$89,834
	\$16,020	

Look, David C. <i>Materials for High Speed Devices</i> DoD, Air Force, Air Force Research Laboratory \$300,000	Baumhauer, Carol A. <i>e-Vantage Program</i> Ohio Business Connection \$8,357	Fink, Robert J. <i>Novel Treatment for Respiratory Infections</i> MedImmune, Inc. \$5,513
Look, David C. Clafin, Jr., Bruce B. <i>Electrical and Optical Properties of Extended Defects in GaN</i> DoD, Office of Naval Research \$100,000	Bodey, Michael W. <i>Small Business Development Center</i> Ohio Department of Development \$304,000 School of Graduate Studies	Gomez-Cambronero, Julian <i>Synthesis of a Cell-Permeable Phospholipase D Inhibitor</i> American Heart Association - National \$71,500
Look, David C. <i>Nanoporous SiC and GaN</i> Carnegie Mellon University \$47,500	Sanville, Thomas J. <i>OhioLINK</i> Ohio Board of Regents \$1,852,151	McDougal, James N. <i>Molecular Mechanisms and Modeling of Skin Irritation from JP-8</i> DoD, Air Force Office of Scientific Research (AFOSR) \$150,000
Look, David C. <i>Hall Effect Measurements</i> Varian Associates, Inc. \$140	Thomas, Jr., Joseph F. <i>Ohio's Research Challenge - "01-03" Biennium</i> Ohio Board of Regents \$201,113	McDougal, James N. <i>Skin Penetration of Important Occupational Chemicals in Their Pure Form</i> DHHS, National Institute for Occupational Safety and Health (NIOSH) \$24,950
Schneider, Tamera <i>Enhancing the Quality of Guardians' Pet Health Evaluations</i> Iams Company, The \$28,941	 School of Medicine Alter, Sherman J. <i>Safety and Effectiveness of a New Rotavirus Vaccine</i> Merck & Co., Inc. \$8,120	Mohler, Stanley R. <i>Aerospace Medicine Residency Program</i> National Aeronautics and Space Administration \$600,000
Shebilske, Wayne L. Tsang, Pamela S. <i>Intelligent Distributed Group and Team Training Systems</i> Texas A & M University \$159,676	Berberich, Steven J. <i>MdmX Regulation of the p53 Tumor Suppressor Protein</i> DHHS, National Cancer Institute (NCI) \$225,225	Moore, Dennis C. <i>PALS Place: Web-Based Intervention</i> Ohio Department of Education \$65,000
Svobodny, Thomas P. <i>Mathematical Modeling, Simulation, and Control of Physical Processes</i> DoD, Air Force Office of Scientific Research (AFOSR) \$31,341	Bonnet, Michael H. <i>Treatment of Transient Insomnia</i> Pfizer, Inc. \$144,256	Moore, Dennis C. <i>Prevention Through Alternative Learning: Violence and Substance Abuse Prevention</i> Dayton Public Schools \$29,563
Raj Soin College of Business	Brown, Thomas L. <i>License Agreement for Evaluation of a Diagnostic Indicator - SRL, Inc.</i> SRL, Incorporated \$2,500	
Baumhauer, Carol A. <i>Ohio Federal and State Technology (FAST) Partnership</i> Ohio Business Connection \$10,000		

Internal Funding Competition for Faculty and Research Staff

Research Challenge Technology Commercialization Grants, Spring 2003

As part of the Research Challenge Program, the Office of Research and Sponsored Programs is pleased to announce this spring's competition to award grants to faculty and research staff for the purpose of encouraging commercialization of research accomplishments. Goals of the program include developing intellectual property, establishing commercial licenses, and the formation of start-up companies along

with securing of seed capital. Intermediate goals could include applications for or leveraging federal technology commercialization grant funds, development of prototypes, and development of a business plan.

This is the third year that this competition has been organized. In the previous two years we had approximately \$200,000 to allocate but this year the State has mandated budget reductions, including reductions in Research Chal-

lenge support. Accordingly, it is estimated that the total funding for this year's competition will be \$150,000.

The application kit is available via the RSP website at: http://www.wright.edu/rsp/InternalProgs/RC_TCG_Guide.doc.

Deadline for receipt of proposals is May 15, 2003.

Please let Jan Power know (rsp@wright.edu; 775-2425) if you have trouble downloading the document and would like a copy sent to you.

Upcoming Workshops

Funding Opportunities

A Funding Opportunities Workshop that will show you how to do funding searches from your own computer will be held in 016 Library on May 13, 2003 from 12-1 p.m. This is a hands-on session that focuses on the electronic databases available on the RSP homepage including Community of Science (COS) and Sponsored Programs Information Network (SPIN). Registration is limited to the first fifteen participants so that everyone is assured access to a computer. We ask that those wishing to attend please register by May 5th.

For additional information or to register, please contact Jackie Frederick by email at jackie.frederick@wright.edu or at ext. 2664.

Post-Award Training

A workshop that gives an overview of post-award administration including discussion of monthly Financial Desktop System (FDS) reports, allowable/unallowable expenses, invoicing, effort reporting, cost sharing and audits will be held on Monday, May 5, 2003 from 2 - 4 p.m. in 163B of the Student Union. Please call ext. 1100 to register if you would like to attend this workshop.

Celebrate

(Continued from page 1)

May 7th will be a special day for innovation and inventors, be they WSU or independent inventors. Concurrent with the "Invention to Market 2003" forum targeting WSU inventors, including future inventors, the University Libraries will host a free public Patent and Trademark Information Seminar. Sponsored by the Patent and Trademark Depository Library Program (PTDLP) and the U.S. Patent and Trademark Office (USPTO), this seminar is custom designed for independent inventors not affiliated with WSU.

Please register today at www.wright.edu/techtransfer/itm, invite those around you, and join us to *Celebrate the Promise of Innovation!*

Pre-Award Notes

Responding to Government Reviewer Rejections

—from *Grantseeker Tips*, Number 103, February 4, 2003

Frequently, proposals initially rejected must be re-viewed and resubmitted especially at federal agencies like the National Institutes of Health or the National Science Foundation. How do you respond to reviewer criticisms when revising proposals? Try following this four part template; examples follow each asterisk (*). Usually a three-page response is adequate.

First, introduce your response.

*In responding to our three reviewer critiques, we've substantially re-evaluated our research context and approach. The summary statements were extremely valuable in preparing this revised proposal. Direct responses to the reviewers' concerns are described below.

Second, summarize general concerns.

*All reviewers thought the research topic was highly significant but stressed that important changes were necessary. Accordingly, the changes are extensive: problems and solutions are clearly stated; the significance section specifically describes



background information important for the proposed studies, which has been divided into subsections for clarity. The specific aims are better focused. The research design section now explains the experimental approach for each specific aim.

Third, cite and respond to specific reviewer concerns.

*The first reviewer was concerned about the apparent lack of co-workers and limited resource description. In response, the PI has now hired an experienced laboratory supervisor and two advanced graduate students. The laboratory supervisor has a strong background in cellular biology; thus, preparation of the laboratory samples will be straightforward. Additionally, a new Left Handed WigIt Analyzer has been purchased, enabling us to design more comprehensive experiments and add more experimental data.

The second reviewer felt the electrochemistry temperature experiments were tangential to the overall proposal. In response, we agree, especially since additional laboratory personnel and new equipment permit us to gain additional preliminary data for the main experiments. Accordingly, the temperature

experiments have been deleted in this revised proposal.

*The third reviewer thought that although our assays might work, they involved a very risky set of experiments. In response, we



took this criticism seriously and explored the matter further in the research literature. Our view remains in line with Reviewer Two who wrote "the use of assays to identify monoclonal antibodies is very novel." This methodological approach was reaffirmed in the Smith and Weston (2003) journal article.

Fourth, state your conclusion.

*In this revised proposal, a wealth of new evidence exists that the proposed experiments will produce useful and publishable information. Moreover, reviewers' concerns have been addressed and the proposal is now presented with a distinct focus on the specific aims. The PI, along with his established track record and expanded research group, is uniquely postured to carry out the proposed project. We thank the reviewers for their scholarly critique of our original application, which enabled us to substantially improve this revised proposal.

RESEARCH NEWS

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Community of Science Searching Hints

—from *COS Liaison Newsletter*, February 6, 2003

When searching services like COS Expertise and COS Funding Opportunities, remember to take full advantage of all of the search tools available to you.



- ♦ To search for exact phrases, use double quotation marks. E.G., "military history" retrieves profiles containing the exact phrase

military history.

- ♦ To find the variations of a root word, use truncation (*). E.g., econ* searches for economy, economist, economics, etc.
- ♦ To search for words used together, but not necessarily limit your search to an exact phrase, use a proximity search. E.g., American w/3 association— searches for "American"

used within three or fewer words of "association."

Items retrieved would include phrases such as "Association of American Medical Colleges" and "American Defense Preparedness Association."

For more information on these and other search tips, see <http://expertise.cos.com/docs/rules.shtml>.

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