

# RESEARCH NEWS

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

Winter 2004 Vol 35 No 2

201J University Hall Telephone 775-2425

## Research Challenge Awards Announced

*We are pleased* to announce the selection of awardees of the Research Challenge Early Start/Augmentation program. Of 51 proposals submitted, 14 projects were funded for a total of \$240,930. The primary objective of the Research Challenge program is to furnish seed funding to faculty in order to pro-

duce additional sponsored research. Congratulations to those receiving an award (listed below) from the October 2003 call for applications. More information on these awards may be found at our website: [www.wright.edu/rsp/internal.html](http://www.wright.edu/rsp/internal.html).



<b>Francisco Alvarez</b>	SOM	<i>Development of Synaptic Inputs on Spinal Interneurons</i>	\$32,460
<b>Donald Cipollini</b>	COSM	<i>Impact of Garlic Mustard (<i>Alliaria petiolata</i>) Allelochemicals on Plants and Their Mycorrhizal Associates</i>	19,612
<b>John Emmert</b>	ECS	<i>High Speed ADC for Mixed Signal BIST</i>	15,000
<b>Eric Fossum</b>	COSM	<i>Design and Application of 'SMART' Monomers for the Synthesis of Well-Defined, Functional Highly Branched Engineering Plastics</i>	15,550
<b>John Gallagher</b>	ECS	<i>CTRNN-EH Control of a Flapping-Wing Robot: Initial Explorations</i>	17,000
<b>Raymond Hill</b>	ECS	<i>Expanding a Modeling Infrastructure for Air Force-Focused R&amp;D</i>	14,000
<b>William Hurd</b>	SOM	<i>Effects of Human Myometrial Length on Spontaneous Contractility</i>	15,000
<b>I. Michael Leffak</b>	SOM	<i>DNA Replication of Disease</i>	15,500
<b>Kathleen Malloy</b>	SOPP	<i>Psychometric Testing of Batterer Outcome Measures</i>	14,800
<b>Steve Patrick</b>	SOM	<i>Enzymatic Processing of Cisplatin Interstrand Cross-link Triplex DNA</i>	19,822
<b>Ravi Penmetsa</b>	ECS	<i>Efficient Techniques for Robust System Reliability Estimation</i>	15,500
<b>Douglas Petkie</b>	COSM	<i>Basic and Applied Millimeter and Submillimeter-Wave Spectroscopy</i>	15,000
<b>Nicholas Reo</b>	SOM	<i>Development of Multinuclear NMR Methods for Metabolomic Research</i>	14,000
<b>Yvonne Vadeboncoeur</b>	COSM	<i>Littoral Productivity in Lakes: Interactions Between Water Clarity and Habitat Heterogeneity</i>	17,686

## Looking for Stories

Did you ever get a funding alert from one of our funding databases that matched your interests well enough to lead to a proposal submission? Have you ever been contacted by a colleague interested in a collaboration who found out about your interests through your Community of Science expertise profile, or have you used the expertise profiles to find a collaborator? We are trying to deter-

mine how successful the Sponsored Program Information Network (SPIN) and Community of Science (COS) databases have been in assisting our researchers in finding funding opportunities or collaborative partners. If you would be willing to share your success story with us, please let us know how the databases have helped you by sending an email to Jackie Frederick at [jackie.frederick@wright.edu](mailto:jackie.frederick@wright.edu).

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# From Invention to Market 2004



For more information, visit our Web site:  
[www.wright.edu/techtransfer/itm04/](http://www.wright.edu/techtransfer/itm04/)

Mark Your Calendar!  
April 1, 2004  
8:30 a.m.—4:00 p.m.

Celebrating the  
Promise of Innovation  
Technology Showcase  
& Seminars

Wright State University Student Union

**FREE and open to the public**

- Attend seminars on entrepreneurship and technology commercialization
- See exhibits of Wright State's latest inventions and technology
- Meet with local business and government leaders

The “**From Invention to Market 2004**” forum is a great opportunity for faculty to showcase their inventions and technologies for an audience of entrepreneurs, venture capitalists, government officials, and other faculty and researchers from the Dayton/Columbus/Cincinnati area.

If you would like the opportunity to give your research project more visibility, you are invited to participate in the Showcase with an exhibit in the atrium from 11:15 a.m. to 4:00 p.m.

Please contact Isabelle Gorrillot at ext. 2651 for more details about exhibiting in this event. For updates on the forum's agenda please visit the event website at <http://www.wright.edu/rsp/TechTrans/itm04/>

## Internal Funding Opportunities for Faculty

### *Research Incentive Program announced*

This year's deadline for the Research Incentive Program is *February 20, 2004*. The purpose of the Research Incentive program is to support research and other scholarly activities by the University faculty within the constraints of available resources. The competitive program consists of the following two components:

*Research Initiation Grants* are intended to provide seed funds for new research efforts likely to attract external funding. Grant budgets are limited to \$10,000. Recently appointed faculty and those without significant external funding are given priority.

*Professional Development Grants* are intended for more general and diverse scholarly activities and professional renewal. Grant budgets are limited to \$3,000.

The Research Initiation and Professional Development grants are a continuing feature of the Research Council programs. The intent of sponsoring two distinct programs is to recognize that there is a significant difference among disciplines in the opportunities for external funding and the costs of doing research. The Research Council wishes to provide an incentive for all eligible faculty to initiate new scholarly activities that support continued professional development of the faculty and the goals of the departments and colleges.

Because of revisions in the School of Medicine's seed grant program, faculty in the School of Medicine are no longer eligible to participate as principal investigators in the Research Incentive Program if the work proposed is similar to the kinds of externally-

funded projects that would normally be processed through the School of Medicine. However, faculty in Matrix departments can participate as principal investigators if the work proposed is similar to the kinds of externally-funded projects that would normally be processed through the College of Science and Mathematics. In addition, proposals are encouraged that involve School of Medicine faculty as collaborating co-investigators.

Approximately \$75,000 is available overall for the Research Incentive competition, and 4-7 awards in each category are anticipated. Copies of guidelines and application forms for both the Research Initiation Grant and Professional Development Grants are available online at <http://www.wright.edu/rsp/InternalProgs/RI.html>.

# AWARDS

*The grants and contracts on these pages were awarded from September 2003 through December 2003*

## **Academic Affairs**

Kennedy, Sandra D.

*Wright State University Kettering Center for Continuing Education's Labor Management Initiative*

Ohio Department of Development  
\$53,000

Kennedy, Sandra D.

*Wright State/Southwestern Ohio Labor-Management Working Network Council*

Ohio Department of Development  
\$49,000

Kennedy, Sandra D.

*Leading Successful, Goal-Oriented Team Veterans Affairs Medical Center*

\$45,800

Schisler, Cindy

*Chemineer Inc. Facilitator*

Chemineer, Inc.  
\$3,300

Sturdevant, Brian D.

Fausch, Scott A.

*Uniform Commutation Allowance*

DoD, Air Force, AFROTC  
\$5,130

## **College of Education and Human Services**

Barnhart, Michael L.

*Praxis III Regional Assessment Center*  
Ohio Department of Education  
\$121,938

Bernhardt, Gregory R.

*Expanding the Pool of Qualified Teachers for Ohio's Schools*

Ohio Department of Education  
\$174,000

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  
\$172,900

Ovington, June A.

*Capacity-Building Faculty Support Grant*

Ohio Department of Education  
\$198,000

Schatmeyer, Kenneth

*The Reading First - Ohio Center*

Cleveland State University  
\$80,000

## **College of Engineering and Computer Science**

Amer, Maher S.

*Molecular Modeling of Polymeric Nanocomposite Materials*

Universal Energy Systems, Inc. (UES, Inc.)  
\$104,700

Amer, Maher S.

*Process Quality Control and Repair Techniques for the Next Generation*

*HgCdTe Infrared Focal Plane Arrays*  
Thot, LTD.  
\$27,978

Bourbakis, Nikolaos G.

Brandeberry, James E.

*Priorities in Graduate Education*

Ohio Board of Regents  
\$65,240

Bourbakis, Nikolaos G.

*Detecting and Mining Similarities, Differences and Target Patterns in Sequences of Images Using the PFF, LGG and SPNG Approaches*

Automation, Integration of Information and Systems (AIIS) Inc.  
\$50,000

Bourbakis, Nikolaos G.

*Summer Institute for Advanced Computation (SIAC) 2003*

Ohio Supercomputer Center  
\$35,000

Brandeberry, James E.

*Priorities in Graduate Education (Computer Science)*

Ohio Board of Regents  
\$91,210

Chen, Chien-In Henry

Emmert, John

*EW Receiver-on-a-Chip (ROC)*

DoD, Air Force, Air Force Research Laboratory  
\$75,000

*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.*

Cox, Michael T. <i>Distributed Collaborative Decision Support Technology</i> Ball Aerospace \$24,983	Harris, Chester A. <i>Intergovernmental Personnel Agreement (IPA) - C. Harris</i> DoD, Air Force, Air Force Research Laboratory \$290,588	Menart, James A. <i>Generation and Characterization of Stable, Weakly Ionized Air Plasmas in Hypersonic Flows</i> Dayton Area Graduate Studies Institute (DAGSI) \$6,599
Cox, Michael T. <i>Goal-Based Plan Management for Emergency Response</i> Science Applications International Corporation (SAIC) \$20,000	Hill, Raymond Narayanan, Sundaram <i>Modeling Sortie Generation, Maintenance, and Inventory Interactions for Unit Level Logistics Planners</i> University of Arkansas \$42,826	Mukhopadhyay, Sharmila M. <i>Science and Engineering of Carbon Foams: Surface Modification Issues</i> Ohio University \$33,000
Emmert, John <i>Hardware Design of Real Time, Highly Adaptable Control for Intelligent Radio Frequency Front Ends</i> DoD, Air Force, Air Force Research Laboratory \$150,000	Hong, Lang <i>Multirate Interacting Multiple Model Fusion</i> MRLets Technologies, Inc. \$50,000	Narayanan, Sundaram Kight, Amanda C. <i>Diverse Data Fusion, Information Theory, and Evaluation Techniques</i> Anteon Corporation \$6,000
Garber, Fred D. <i>Sensor ATR Technology</i> Sverdrup Technology, Inc. \$2,287	Klingbeil, Nathan W. <i>Center for the Accelerated Maturation of Materials: An Enterprise for Visualization, Imaging, Simulation and Modeling</i> Ohio Board of Regents - Hayes Investment Fund \$100,000	Quek, Francis <i>From Video to Information: Cross-Modal Analysis of Planning Meetings</i> DoD, Maryland Procurement Office \$794,586
Grandhi, Ramana V. Penmet sa, Ravi C. <i>Multidisciplinary Design Optimization for High Reliability and Robustness</i> DoD, Office of Naval Research \$120,000	Klingbeil, Nathan W. Raymer, Michael L. Rattan, Kul dip S. Reynolds, David B. Mercer, Richard E. <i>A National Model for Engineering Mathematics Education</i> NSF, Miscellaneous \$100,000	Quek, Francis <i>Beyond the Talking Head and Animated Icon: Behaviorally Situated Avatars for Tutoring</i> NSF, Miscellaneous \$117,774
Grandhi, Ramana V. <i>Simulation Based Research and Development Tools and Processes</i> University of Dayton \$40,000		Quek, Francis <i>From Video to Information: Cross-Modal Analysis of Planning Meetings</i> Ohio Board of Regents - Action Fund \$81,834
Hangartner, Thomas N. <i>Evaluation of a Novel Treatment for Osteoarthritis of the Knee</i> Procter & Gamble Company \$29,104	Lieh, Junghsen <i>Advanced Control System for Manufacturing Processes - Phase IV: Precision Machining Process Development and Optimization</i> Delphi Chassis Systems \$5,000	Quek, Francis <i>Detecting and Extracting Image Similarities, Differences, and Target Patterns</i> MTL Systems, Inc. \$35,000
Hangartner, Thomas N. <i>Postmenopausal Evaluation and Risk Reduction</i> Pfizer, Inc. \$7,977	Menart, James A. <i>Electrode Design and Measurement Methods for Magnetohydrodynamic (MHD) Flows</i> Bihrl Applied Research Inc. \$37,537	
Hangartner, Thomas N. <i>Analysis of Cardiac Images by Computed Tomography</i> Kettering Medical Center \$1,214		

Rizki, Mateen M. <i>Hybrid Evolutionary Learning for Pattern Recognition Contract (HELPR) to Three-Dimensional Target Classification</i> DoD, Air Force, Air Force Research Laboratory \$102,201	Wolff, J. Mitch <i>Ohio Space Grant Consortium Campus Allocation 2003-04</i> Ohio Aerospace Institute \$4,000	Dustin, Jack L. <i>Urban Projects - Urban Universities Linkage</i> Ohio Board of Regents \$48,843
<b><i>College of Liberal Arts</i></b>		
Shaw, Arnab K. <i>Performance Assessment for Foliage Penetrating Radar Target Detection</i> Dayton Area Graduate Studies Institute (DAGSI) \$6,091	Arose, Lisa H. <i>Partnerships for Success</i> Greene County Family and Children Fir \$52,673	Dustin, Jack L. <i>Citizen Corp Councils</i> Greene County Department of Emergency Management \$12,915
Slater, Joseph C. <i>Semi-Active Vibration Control of Fan Blades - Continuation Phase 3</i> Universal Technology Corporation \$24,986	Arose, Lisa H. <i>Child and Family Health Services (CFHS) Focus Groups and Health Needs Assessment</i> Greene County Combined Health Distri \$10,200	Dustin, Jack L. <i>Strategic Planning - Greene County Department of Public Works</i> Greene County Department of Public Works \$7,590
Slater, Joseph C. <i>Quantifying Uncertainty in Structural Response</i> Anteon Corporation \$14,800	Brun, Carl F. <i>Child Welfare Workforce Professional Education Program (CCWWPEP) Coordinator Support</i> Institute for Human Services \$2,000	Dustin, Jack L. <i>Townview Program Coordinator Agreement</i> Townview Community Development \$3,900
Wang, Bin <i>Towards Scalable Cost Effective Survivability in Ultra High-Speed Networks</i> U.S. Department of Energy \$78,054	Brun, Carl F. <i>Child Welfare Workforce Professional Education Program</i> Ohio Department of Job and Family Services \$0	Dustin, Jack L. <i>Hope VI Project Graduate Research Assistant</i> Dayton Metropolitan Housing Authori \$2,500
Wolff, J. Mitch Johnston, David A. <i>Intergovernmental Personnel Agreements - Johnston</i> DoD, Air Force, Air Force Research Laboratory \$217,364	Crosby, Catherine Dustin, Jack L. <i>Dayton Community Development Work-Study Program</i> U.S. Department of Housing and Urban Development \$150,000	Hooker, Carol M. <i>Demographic Analyses</i> Dayton Metro Library \$3,238
Wolff, J. Mitch <i>Precision Design</i> DoD, Air Force, Air Force Research Laboratory \$60,000	Dockery, Jane L. <i>Teaching American History Evaluation Plan</i> Montgomery County Board of Education \$40,000	Jones, Thomas Davidson <i>AIDS Aware Market Survey</i> ARC Ohio \$10,770
Wolff, J. Mitch <i>Ohio Space Grant Consortium Scholars Program</i> Ohio Aerospace Institute \$20,500	Dockery, Jane L. Jones, Thomas Davidson <i>Celebration Central Survey</i> Downtown Dayton Partnership \$3,000	Jones, Thomas Davidson <i>Communication Satisfaction Survey</i> Yellow Springs Men's Group \$3,700

McLellan, Marjorie L. <i>Montgomery County - Teaching American History</i> Montgomery County Educational Service Center \$153,613	Arlan, Larry G. <i>Analysis of Enzyme Samples/Dust Stud</i> Procter & Gamble Company \$50,450	Fossum, Eric <i>Custom Synthesis of Intermediates for AFX Chromophores</i> AT&T Government Solutions, Inc. \$44,992
Siwecki, Barbara J. <i>Native American Sculpture</i> Ohio Arts Council \$4,515	Arlan, Larry G. <i>Diet and Allergen Production</i> Iams Company, The \$31,665	Fox, Jane Lee <i>Coupled Models of Planetary Thermospheres/Ionospheres</i> National Aeronautics and Space Administration \$90,000
Siwecki, Barbara J. <i>General Operating Support - Art Galleries</i> Ohio Arts Council \$4,230	Arlan, Larry G. <i>Allergy Studies</i> S.C. Johnson Wax \$7,200	Foy, Brent D. <i>Simulating the Interactions of Genes, Proteins and Metabolites in Cell-Like Entities</i> DoD, Air Force Office of Scientific Research (AFOSR) \$93,750
Wenning, Mary V. <i>Integration of American Humanities (AH) Competencies and Service Learning</i> Murray State University \$3,000	Basista, Beth A. Mathews, Susann M. Tomlin, James H. Farrell, Ann M. <i>West/Central Ohio Center of Excellence in Learning Science and Mathematics (EXCEL Center)</i> Ohio State University \$125,000	Gilkey, Robert H. <i>Target Detection in Virtual Environment</i> General Dynamics (formerly Veridian Engineering) \$11,769
<b>College of Nursing and Health</b>		
Martin, Patricia A. <i>Miami Valley Hospital Operating Agreement</i> Miami Valley Hospital \$45,000	Bennett, Kevin B. <i>Representing Plan Execution in a Dynamic Battlefield Environment</i> Micro Analysis and Design, Inc. \$8,772	Gilkey, Robert H. <i>Robotic Systems for On-Orbit Servicing</i> Dayton Area Graduate Studies Institute (DAGSI) \$9,750
Scordo, Kristine A. <i>Acute Care Nurse Practitioner Cardiac Specialty Program</i> DHHS, Health Resources and Services Administration \$267,179	Brown, Hunting W. <i>Environmental Health Sciences Internship Program 2003-04</i> Veterans Affairs Medical Center \$6,180	Gilpin, Roger K. Rukunda, Farai <i>State of Ohio Sludge Program</i> More Than One Source of Support \$58,780
<b>College of Science and Mathematics</b>		
Amon, James P. Agrawal, Abinash <i>Biological and Geochemical Characterizations of a Wetland Constructed for Bioremediation of Groundwater Contaminated by Chlorinated Ethenes</i> Air Force Institute of Technology (AFIT) \$45,355	Carmichael, Wayne W. <i>Characterization of Cyanobacteria Secondary Metabolites</i> More Than One Source of Support \$18,521	Gilpin, Roger K. <i>Measurements of Contaminants in Commercial Herbicide</i> ATANOR \$14,278
	Carmichael, Wayne W. <i>Characterization of Cyanobacteria Secondary Metabolites</i> More Than One Source of Support \$2,118	Gilpin, Roger K. Gilpin, Christina R. <i>Analysis of N-Nitrosoglyphosate in Commercial Samples of Glyphosate</i> ATANOR \$9,177
	Feld, William A. <i>The Synthesis of Substituted Heterocyclic Polymers for Fuel Cell Applications.</i>  Universal Energy Systems, Inc. (UES, Inc.) \$37,999	Gilpin, Roger K. <i>Chemical Analysis of Biological Mater</i> State of New York \$7,125

Gilpin, Roger K. <i>Measurement of Non-Point Toxic Pollutants</i> City of Honolulu, HI \$3,495	Look, David C. <i>Center for Advanced Nitride Electronic</i> University of California \$22,875	Wheatly, Michele G. Wood, Timothy S. Vernooy, Jeffrey A. Brame, Roderic I. Tomlin, James H. <i>Creating Laboratory Access for Science Students (CLASS): National Dissemination</i> NSF, Course, Curriculum and Laboratory Improvement \$4,570
Grasman, Keith A. <i>Monitoring of Caspian Tern and Herring Gull Productivity and Immune Functions</i> U.S. Department of Interior, Fish & Wildlife Service \$4,000	Look, David C. <i>Nanoporous SiC and GaN</i> Carnegie Mellon University \$19,793	Wheatly, Michele G. <i>Ohio Space Grant Consortium Scholars Program</i> Ohio Aerospace Institute \$1,500
Hausser, Ernest C. <i>Bedrock Depth Determinations Using Seismic Refraction at Planned Tunneling Sites Beneath the Olentangy River, Delaware County, Ohio</i> BBC&M Engineering \$9,077	Look, David C. <i>Hall Effect Measurements</i> Varian Associates, Inc. \$1,080	<b>Lake Campus</b>
Hennessey, Michael B. <i>Behavioral and Endocrine Effects of a Prison Socialization Program</i> Kenneth A. Scott Charitable Trust \$11,063	Schneider, Tamera <i>Validation of Quality of Life/Human-Animal Bond Survey</i> Iams Company, The \$54,958	Bryan, Paula K. <i>21st Century Community Learning Center Program</i> Mercer County Educational Service Center \$27,000
Higgins, Steven R. <i>Multiscale Reactive Transport in Processes Related to CO<sub>2</sub> Sequestration: Nanoscale Dynamics, Upscaling, and Non-Steady State Kinetics</i> U.S. Department of Energy \$70,993	Shebilske, Wayne L. <i>Visual Orientation and Spatial Memory: Mechanisms and Countermeasures</i> National Space Biomedical Research Institute \$44,696	Curry-Jackson, Anita E. <i>Grand Lake/Mercer County Project</i> Grand Lake/Mercer County Research, Inc. \$30,204
Klein, Helen A. <i>Beyond Ethnocentrism: Mapping Cognitive Differences for Mission Enhancement</i> Ball Aerospace \$23,941	Svobodny, Thomas P. <i>Mathematical Modeling, Simulation, and Control of Physical Processes</i> DoD, Air Force Office of Scientific Research (AFOSR) \$30,566	Miller, Julie M. <i>West Central Ohio Tech Prep Consortium Mini Grant FY03</i> West Central Ohio Tech Prep Consortium \$10,000
Look, David C. <i>Materials for High Speed Devices</i> DoD, Air Force, Air Force Research Laboratory \$246,075	Watamaniuk, Scott N. J. <i>Motion Detector Networks for Smooth Pursuit</i> Smith-Kettlewell Eye Research Institute \$66,659	<b>Raj Soin College of Business</b>
Look, David C. Clafin, Jr., Bruce B. <i>Electrical and Optical Properties of Extended Defects in GaN</i> DoD, Office of Naval Research \$120,000	Watts, Doyle R. <i>Application of Remote Sensing to the Management of the Control of the Gypsy Moth</i> Ohio Aerospace Institute \$33,102	Baumhauer, Carol A. <i>M-SBDC Program Income Account</i> More Than One Source of Support \$125
		<b>School of Graduate Studies</b>
		Sanville, Thomas J. <i>OhioLINK</i> Ohio Board of Regents \$1,757,098

Thomas, Jr., Joseph F.  
*Ohio's Research Challenge - "03-05"*  
*Biennium*  
Ohio Board of Regents  
\$197,813

### ***School of Medicine***

Adineh, Mehdi  
*Personnel Support for the*  
*Wallace-Kettering Neuroscience*  
*Institute - Kirbas*  
Kettering Medical Center  
\$61,969

Alter, Sherman J.  
*Safety and Effectiveness of a New*  
*Rotavirus Vaccine*  
Merck & Co., Inc.  
\$24,360

Alter, Sherman J.  
*Treatment of Pediatric Patients for*  
*Infections*  
Bayer Corporation  
\$696

Bernstein, Jack M.  
*Effectiveness of a Novel Treatment for*  
*Serious and Life-Threatening Infections*  
Cubist Pharmaceuticals, Inc.  
\$11,000

Bernstein, Jack M.  
*Observational, Non-Interventional,*  
*Respective Study of Community*  
*Acquired Pneumonia*  
Aventis Pharma  
\$10,000

Bernstein, Jack M.  
*Effectiveness of a Novel Treatment for*  
*Pneumonia in Elderly Patients*  
Bayer Corporation  
\$9,884

Binder, Stephen Bruce  
*Leroy A. Rodgers, MD, Summer*  
*Preceptorship Program*  
Ohio Academy of Family Physicians  
Foundation  
\$2,500

Bonnet, Michael H.  
*Neurocrine Sleep Consortium*  
*Agreement - Transient Insomnia*  
Neurocrine Biosciences, Inc.  
\$2,105

Brown, James E.  
Spence, Robert L.  
*A PDA-Based Post-Exposure*  
*Prophylaxis Tool for Medical Care and*  
*Surveillance*  
Veterans Affairs Medical Center  
\$25,352

Brown, Thomas L.  
*License Agreement for Evaluation of a*  
*Diagnostic Indicator - SRL*  
*Incorporated*  
More Than One Source of Support  
\$2,500

Cauley, Katherine L.  
*HealthLink Miami Valley*  
DHHS, Health Resources and Services  
Administration  
\$458,408

Cauley, Katherine L.  
*Montgomery County Medicaid Outreach*  
*Services*  
Montgomery County Department of Job  
and Family Services  
\$250,000

Cauley, Katherine L.  
*Kinship Navigator Program*  
Montgomery County Children Services  
\$95,905

Cauley, Katherine L.  
*Sinclair Community College Matching*  
*Funds 2003-04*  
Sinclair Community College  
\$43,766

Cauley, Katherine L.  
*Women's Health Month - 2004*  
Ohio Department of Health  
\$14,200

Clasen, Mark E.  
*Expansion of Alliance for Research in*  
*Community Health*  
DHHS, Health Resources and Services  
Administration  
\$115,542

Crosby, Lynn A.  
*Personnel Support for the Department*  
*of Orthopedic Surgery - Mitchell*  
Zimmer  
\$35,000

Crosby, Lynn A.  
*Torn Rotator Cuff Reattachment*  
DePuy Products, Inc.  
\$4,405

Dean, Jay B.  
Putnam, Robert W.  
Henderson, Richard A.  
*Cellular Mechanisms of Central*  
*Nervous System and Pulmonary Oxygen*  
*Toxicity*  
DoD, Office of Naval Research  
\$235,054

Demerath, Ellen W.  
Czerwinski, Stefan Aleksander  
Siervogel, Roger M.  
Towne, Bradford  
*Visceral Adiposity: Genetic and*  
*Environmental Influences*  
DHHS, National Institute of Diabetes and  
Digestive and Kidney Diseases (NIDDK)  
\$335,607

Drehmer, Timothy J  
Hangartner, Thomas N.  
*A Novel Treatment for Rheumatoid*  
*Arthritis*  
Merck & Co., Inc.  
\$4,634

Gentile, Julie P.  
*CCOE: Dual Diagnosis MI/MRDD*  
Ohio Department of Mental Health  
\$75,000

Gillig, Paulette M.  
*Professorship of Rural Psychiatry*  
Ohio Department of Mental Health  
\$20,024

Lacey, Daniel J.  
Stolfi, Adrienne  
*An Evaluation of the Therapeutic*  
*Effectiveness of Hyperbaric Oxygen*  
*Treatments on Children with Cerebral*  
*Palsy*  
DoD, Army Medical R&D Command  
\$926,000

Laughlin, Richard T. Pringle, D. Drew <i>Comparison Study - Retrograde/Antegrade Nail Zimmer</i> \$14,000	Moore, Dennis C. <i>Addressing Disability Rehabilitation Issues Among Racial Minorities: A Focus on HIV and/or Substance Use Disorders</i> Howard University \$30,000	Reo, Nicholas V. <i>Toxicant Classification by NMR-Based Metabonomics</i> ManTech Environmental Technology, Inc. \$60,464
Lehrer, Douglas S. <i>Wright State University Forensic Psychiatry Fellowship Program</i> Ohio Department of Mental Health \$28,000	Moore, Dennis C. <i>Disability and Addiction: Substance Abuse as a Challenge to Employment and Independence</i> CTAT/Denver Options Inc. \$4,500	Schuster, Richard J. <i>NHLBI Cardiovascular Disease Enhanced Dissemination and Utilization Centers</i> DHHS, National Heart, Lung, and Blood Institute (NHLBI) \$149,064
Li, Yingjun Stem, Javier E. <i>GABAergic Synaptic Function in Hypothalamic Vasopressin Neurons: Contribution to the Physiopathology of Heart Failure</i> American Heart Association - Ohio Valle Affiliate \$39,000	Morris, Mariana Wheatly, Michele G. <i>US Brazil BioTech Training Consortium (USABRIO)</i> U.S. Department of Education, FIPSE \$62,544	Schuster, Richard J. <i>Physician Obesity Awareness Program (POAP)</i> DHHS, National Heart, Lung, and Blood Institute (NHLBI) \$50,000
McDougal, James N. <i>Molecular Mechanisms and Modeling of Skin Irritation from JP-8</i> DoD, Air Force Office of Scientific Research (AFOSR) \$180,000	Morris, Mariana <i>Analyses of Plasma Oxytocin</i> University of Connecticut \$7,000	Siegal, Harvey A. Wang, Jichuan Falck, Russel S. Carlson, Robert G. <i>Rural Stimulant Use and Mental Health: Services and Outcomes</i> University of Arkansas \$252,757
Moore, Dennis C. McCarley, Victor <i>Brothers to Brothers/Sisters to Sisters</i> DHHS, Substance Abuse and Mental Health Services Administration (SAMHSA) \$476,230	Morrison, Ann K. <i>ODMH Interagency Professorship of Community Psychiatry</i> Ohio Department of Mental Health \$90,511	Siegal, Harvey A. <i>Outreach and Prevention/Intervention</i> Montgomery County ADAMH Services Board \$248,111
Moore, Dennis C. <i>PALS Prevention Project 2004 - Preparing for Prevention Education in the Future</i> Ohio Department of Education \$80,000	Organisciak, Daniel T. <i>Antioxidants and Retinal Gene Expression Profiles</i> Ohio Lions Eye Research Foundation (OLERF) \$7,000	Siervogel, Roger M. Czerwinski, Stefan Aleksander Towne, Bradford Chumlea, W. Cameron Demerath, Ellen W. <i>Genetic Epidemiology of CVD Risk Factors</i> DHHS, National Heart, Lung, and Blood Institute (NHLBI) \$891,639
Moore, Dennis C. <i>Prevention Through Alternative Learning; Violence and Substance Abuse Prevention</i> Dayton Public Schools \$59,125	Part, Howard <i>Dayton VAMC Resident Support</i> Veterans Affairs Medical Center \$4,173,583	Sun, Shumei S. <i>Trial of Alendronate Disodium in Pediatric Gaucher Disease</i> Children's Hospital Medical Center (Cincinnati) \$37,949
	Paul, Cassandra C. Baumann, Michael A. <i>License Agreement for AML14 and AML14.3D10 Cell Lines</i> Pfizer, Inc. \$10,000	
	Reece, Robert <i>Reach Out of Montgomery County</i> Reach Out of Montgomery County \$117,036	

Towne, Bradford  
Czerwinski, Stefan Aleksander  
Demerath, Ellen W.  
Siervogel, Roger M.  
*Genetic Regulation of Adiposity and  
Associated CVD Risks*

DHHS, National Institute of Diabetes and  
Digestive and Kidney Diseases (NIDDK)  
\$548,985

### *School of Professional Psychology*

Malloy, Kathleen A.  
*Domestic Violence Program*  
Montgomery County Sheriff's Office  
\$10,800

Warfield, Janece  
*Child Care Subsidy and Promoting  
Positive Relationships Program*  
U.S. Department of Education  
\$66,632

Winfrey, LaPearl  
*Mental Health and Deafness Residency  
Traineeship Program*  
Ohio Department of Mental Health  
\$25,000

Winfrey, LaPearl  
*Pre-Doctoral Training*  
South Community Mental Health Center  
\$24,000

Winfrey, LaPearl  
*Practicum Training*  
South Community Mental Health Center  
\$12,000

Winfrey, LaPearl  
*Practicum Training - Professional  
Psychology Brief Therapy Program*  
South Community Mental Health Center  
\$12,000

Winfrey, LaPearl  
*Pre-Doctoral Training*  
Miami Valley Hospital  
\$8,000

Winfrey, LaPearl  
*SOPP Student Practicum Training*  
Montgomery County ADAMH Services  
Board  
\$6,000

Winfrey, LaPearl  
*Practicum Training*  
Children's Hospital Medical Center  
(Cincinnati)  
\$3,000

### *Universitywide/Miscellaneous*

Nord, Douglas C.  
*Project RENEUUS: Regional  
Educational Network between the  
European Union and the United States*  
U.S. Department of Education, FIPSE  
\$82,047



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at ext. 2664 or at  
[jackie.frederick@wright.edu](mailto:jackie.frederick@wright.edu).

*Life Sciences Without Boundaries  
Leveraging Resources... Converging Interests*

## **Life Sciences Conference to be held in March**

The Ohio Valley Affiliates for Life Sciences (OVALS), formed by the University of Cincinnati, University of Kentucky, University of Louisville, and Wright State University, along with the Air Force Research Laboratory, BIO/START, Cincy/TechUSA, Health Enterprise Network, and Lexington United, invite you to participate in an upcoming conference, "Life Sciences without Boundaries." This year's conference will focus on opportunities, strategies, and issues related to universities, federal laboratories, and industries working together. Nationally known keynote speakers and presenters will discuss

future economic development trends in life sciences and biotechnology and expanding/blending cultures across different types of institutions working in this area. Cutting-edge technologies being developed by the OVALS universities will be presented with a view to their scientific and economic potential. The conference will be held on March 8 and 9, 2004 at the Brown Hotel in Louisville, Kentucky. For more information or details on how to receive a registration packet, please go to <http://www.OVALSgroup.org/Conference.shtml> or contact Isabelle Gorrillot at ext. 2651.

# Sponsor ALERTS

## National Science Foundation

### Revision to Proposal Guide

The National Science Foundation has published a revision to the NSF Grant Proposal Guide (NSF 04-2) that is effective for proposals submitted on or after October 1, 2003. This revision implements an increase in the threshold for proposals submitted to the Small Grants for Exploratory Research (SGER) Program. The new maximum award is \$200,000 (increased from a previous \$100,000 maximum). The project's duration will normally be one year, but may be up to two years.



The complete revised Grant Proposal Guide is located at [www.nsf.gov/pubsys/ods/getpub.cfm?gpg](http://www.nsf.gov/pubsys/ods/getpub.cfm?gpg).

## National Institutes of Health

### New Policy Guide

The National Institutes of Health (NIH) announced the publication of the revised NIH Grants Policy Statement (NIHGPS, rev. 12/03). The NIHGPS (12/03) is applicable to all NIH grants and cooperative agree-

ments with budget periods beginning on or after December 1, 2003.

Policy changes that are implemented with the 12/03 NIHGPS include the following:



- Closely related work: the option for grantees to pursue prior approval to account for multiple projects under a single cost objective has been eliminated. NIH will now apply the relatedness provision of OMB Circular A-21 to all NIH recipients which states if a specific cost cannot be reasonably allocated to a specific project, it can be charged to any of the benefiting projects on any reasonable basis.
- Cost transfers: policy now states that transfers of costs from one project to another or from one competitive segment to the next solely to cover cost overruns are unallowable.
- Cost overruns: includes a definition to the glossary that states, "Any amount charged in excess of the Federal share of costs for the project period (competitive segment)."

Public Policy changes that are discussed in the NIHGPS (12/03) include

- Stem cell research,
- USA Patriot Act,
- Public Health Security and Bioterrorism Preparedness and Response Act of 2002, and
- HIPAA Privacy Rule.

The complete NIHGPS (12/03) can be accessed at [http://grants1.nih.gov/grants/policy/nihgps\\_2003/index.htm](http://grants1.nih.gov/grants/policy/nihgps_2003/index.htm).

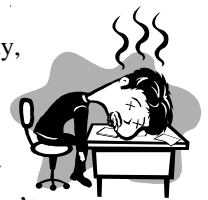
### Program Announcement for Conference Grants

NIH has issued a new Program Announcement updating guidance on NIH Support for Conferences and Scientific Meetings. There are new receipt dates (December 15, April 15, August 15), and there is a requirement that applicants obtain advance permission before submitting a conference grant application (R13, U13). Please see the OER Website for Conference Grants at <http://grants1.nih.gov/grants/funding/r13/index.htm> for details and names of contacts.

## Don't Give Up!

According to Dr. Robert Lucas

from the Institute of Scholarly Productivity, who was on campus recently to give a proposal writing workshop, one out of five proposals that don't get funded is rejected because the idea is bad. That means that the other four proposals that didn't get funded have a good idea but still need some revisions.



Dr. Lucas emphasizes that the area most often needing revision is the method section, and he suggests that two thirds of your preparation time should be spent on this section. Also, be sure to respond to the reviewers' comments, questions, and suggestions when you resubmit.

Remember, success rates increase with each resubmission!

## Pre-Award NOTES

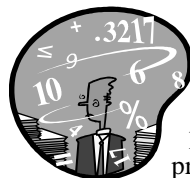
### Statistical Consulting Services

The Statistical Consulting Center (SCC) at WSU is a valuable resource that we recommend researchers take advantage of if their project has a statistical component. The SCC staff can assist you with the following elements of research design:

- formulation of hypotheses
- experimental design
- sample size estimation
- data collection methodology
- methods of analysis

They also provide

- data entry and data management,
- data analysis, and
- interpretation of results.



If you plan to use the services of the SCC for an externally funded project, any pre-proposal consultation is free of charge provided the expense for the work they would do, if and when the project is funded, is included in the proposed budget to the sponsor. Please contact the staff at the SCC directly to obtain any estimates for their services. For further information about the SCC or to set up an appointment, please call them at 775-4205.

## RESEARCH NEWS

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Dayton, Ohio 45435  
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FAX: 937 775-3781  
email: [rsp@wright.edu](mailto:rsp@wright.edu)  
<http://www.wright.edu/rsp/>

# 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 February 19, 2004 from 1-2 p.m. This is a hands-on session that focuses on the electronic databases available on the RSP home page 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 register by February 16, 2004.

For additional information or to register, please contact Jackie Frederick by email at [jackie.frederick@wright.edu](mailto:jackie.frederick@wright.edu) or at ext. 2664.

## post-aWard Training

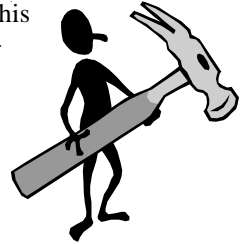
A workshop that gives an overview of post-award administration including discussion of monthly Financial Desktop System (FDS) reports, allowable/unallowable expenses, invoicing, effort reporting, cost sharing and audits will be held on May 4, 2004 from 9:30 to 11:30 a.m. For more information and to register, please call ext. 1100 if you would like to attend this workshop.

## Technology Transfer

A workshop entitled "Intellectual Property Tools, Management and Licensing" is scheduled for 11 a.m. to 1 p.m. in 023N Library on February 25, 2004.

The purpose of this workshop is to discuss how WSU researchers can support one of the key missions of State universities: to drive local economic development. This workshop will address in particular the following topics: invention disclosures, laboratory notebooks, intellectual property protection, agreements and company creation.

Please call Tina Scarberry at ext. 4522 or go to the following website to register online: <http://www.wright.edu/ctl/workshops>.



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**Assistant Director**  
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**Grants Accountant**  
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