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WSU Research News

Office of the Vice Provost for Research

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Winter 12-1-2002

## WSU Research News, Winter 2002

Office of Research and Sponsored Programs, Wright State University

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### Repository Citation

Office of Research and Sponsored Programs, Wright State University (2002). *WSU Research News, Winter 2002*. .

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## New Competition Added to Research Challenge Program

An announcement was sent to the University Faculty in January to notify them of a new competition that has been added to Wright State's Research Challenge plan for 2001-03. The new program is called the Major Collaboration Grant Program, and its purpose is to provide funding to encourage the formation of collaborative research partnerships and the submission of collaborative proposals for major external grants and contracts. Collaborative partnerships will only be eligible to apply for this competition if they satisfy all of the following criteria:

- ♦ Have substantive involvement of at least three fully-affiliated faculty, normally but not necessarily including at least two different departments or units.
- ♦ Can demonstrate that the Research Challenge effort, if successful, will enable submission of an application for specific major grant program(s), where "major" is defined as total funding of at least \$750,000 per year.
- ♦ Can make a convincing case that they have put together a strong team and have a realistic chance of being funded.

The overall Research Challenge Program is supported by the Ohio Board of Regents with a view to helping research universities in the State increase their level of external funding, research activity, and technology development. The guidelines and application instructions for this new program (along with the other Research Challenge Programs) are located on the RSP Website under the Internal Funding

Programs link. After reviewing the guidelines, if you think you meet the eligibility requirements, we welcome you to submit a proposal by the February 25, 2002 deadline.

### *Other Upcoming Internal Funding Programs*

#### *Research Incentive Programs*

Wright State University's Research Council has announced the deadline date for the Research Incentive Program competition for 2002. A notice was sent to all faculty advising them of the 5:00 p.m. Monday, March 4, 2002 deadline. Guidelines, and proposal cover sheets are available on our homepage at <http://www.wright.edu/rsp> under the Internal Funding Programs link. Funding will be available for proposals for Research Initiation and Professional Development.

#### *Research Challenge Programs*

A competition for the Technology Commercialization Program will be announced in Spring Quarter. The goals of this program are as follows:

- ♦ Development of intellectual property
- ♦ Establishment of commercial licenses
- ♦ Formation of start-up companies
- ♦ Intermediate steps to achieve the above, such as a business plan or prototype

The Technology Commercialization Program is supported by the Ohio Board of Regents Research Challenge Program. Please watch your mailboxes and our Website for the announcement for this program.

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# TECHNOLOGY SHOWCASE

Research and Sponsored Programs (RSP) is planning the first ever "Wright State Technology Showcase" that will allow faculty and staff to showcase their accomplished research, inventions and discoveries to the university community and local businesses. The "Wright State Technology Showcase" will be a forum for researchers to present and discuss their current research project, invention prototype, as well as past accomplishments and departmental information. The

Student Union Atrium will be the venue for the presentations. Participants will be furnished with a six-foot table or booth, depending on the space needed to display the technologies or research. The University Community will be invited to attend in addition to members of industry, area universities and government. All attendees will be invited to walk the floor of the Showcase during lunch and throughout the afternoon to see what Wright State

University researchers have to offer. RSP is planning to hold this event in conjunction with the Information Technology Research Institute(ITRI)'s Spring Workshop in April 2002 ([www.cs.wright.edu/itri](http://www.cs.wright.edu/itri)). More information about participation in the "Wright State Technology Showcase" will be announced later this month. In the meantime, contact Jeff Kohler with any questions at ext. 2651 or send e-mail to [jeffrey.kohler@wright.edu](mailto:jeffrey.kohler@wright.edu).

*Jeff Kohler*

## Post-Award NEWS

Lately, the Post-award staff at RSP has reviewed several 1200 forms that were for consulting services on Ledger 6 accounts. Some of them have required additional information before Purchasing could process them.

Below is a list of items needed by Purchasing with respect to 1200 forms for consulting:

- Period of agreement
- Scope of services
- Hourly rate or other payment detail
- A note to refer to attached consulting agreement

· The note "All invoices must be approved by the initiating department"

· Telephone number and tax ID number of the consultant

If these items are not included, Research and Sponsored Programs or Purchasing may call your department to request additional information. *It is in the best interest of the researcher and the consultant to have a written agreement signed by both parties.*

Please call Marianne Shreck at ext. 4459 or Glen Jones at ext. 4461 if you have any questions relating to the use of consultants in your research.

*Marianne Shreck*

## Research Challenge Early Start Augmentation Awards

We are pleased to announce the Research Challenge Early Start/Augmentation proposals that have been selected for funding. Of 31 applications submitted, 12 projects were funded for a total of over \$160,000. The primary objective of the

Research Challenge program is to furnish seed funding in order to produce additional sponsored research. Congratulations to the winners from the October 2001 call for applications, who are listed below:

Julian Gomez-Cambronero	Physiology and Biophysics	SOM	<i>A Novel Experimental Model for the Study of Atherosclerosis</i>	\$17,000.00
Dennis Moore	Community Health	SOM	<i>Developing Web-Based Learning Materials</i>	\$11,500.00
Nancy Bigley	Anatomy	SOM	<i>Role of Cytokines and Selectins in Decompression Sickness</i>	\$15,992.00
Javier Stern	Pharmacology and Toxicology	SOM	<i>Role of Central Oxytocinergic Mechanisms in the Pathophysiology of Autism</i>	\$10,000.00
Doyle Watts	Geological Sciences	COSM	<i>Characterization of Risk to the Ohio Environment Posed by Coal Sludge</i>	\$11,748.00
David Goldstein	Biological Sciences	COSM	<i>Role of Antidiuretic Hormone in the Avian Renal Response to Dietary Protein</i>	\$10,416.00
James Amon	Biological Sciences	COSM	<i>Ecosystem Structure and Function at the Fen Boundary</i>	\$8,500.00
Joseph Slater	Mechanical and Material Engineering	ECS	<i>P-POD: A Python-Based Generic Proper Orthogonal Decomposition Simulation Control Tool</i>	\$9,108.00
Wasfi Al-Khatib	Computer Science and Engineering	ECS	<i>Parallel Video Data Query Processing</i>	\$20,455.00
John Gallagher	Computer Science and Engineering	ECS	<i>Automatic Evolution of Neuromorphic Controllers for Turbine Engine Vibration</i>	\$17,624.00
Kristine Scordo	Nursing and Health	CONH	<i>MVPS: Health Concerns, Role Function, Health Service Use</i>	\$8,000.00
Daniel Ketcha	Chemistry	COSM	<i>Ohio Combinatorial Chemistry Consortium</i>	\$22,858.00



Fiscal year 2000 data have just been released by the National Science Foundation. Their tables on research expenditures at colleges and universities in the United States are the "gold standard" for judging relative performance. The FY00 table for total R&D expenditures shows Wright State as ranking 168 out of over 600 institutions surveyed. The previous year we were ranked 181, so this is quite a remarkable advance.

The figure for our total R&D expenditures for FY00 comes to just over \$29 million, which is more than such fairly well-known



institutions as Lehigh University, Boston College, Howard University, Drexel University, and Brigham Young University. It represents a 67% increase over five years.

Incidentally, the \$29 million figure represents just research, and just expenditures. Thus it cannot be compared with the \$45 million figure you may have seen that represents the total amount awarded to Wright State for all functions (research, instruction, and service) in FY00.

These figures justify, I believe, holding the major collaboration grant competition that is described elsewhere in this issue. WSU researchers are ready to move to the next level!

*Bill*

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## Is Winning A Grant in Your Future?

Teacher, writer and nationally known Research Administrator

**Robert A. Lucas, Ph. D.**

Director, Institute for Scholarly Productivity,

targets research proposal development in an upcoming

## Proposal Writing Workshop

Tuesday, April 30, 2002

8:30 a.m. to 3:00 p.m.

034 Medical Sciences Building

Co-sponsored by the Wright State University Research Council  
and

The Office of Research and Sponsored Programs (RSP)

**The Workshop will cover the following topics:**

- ❖ How to identify fundable ideas
- ❖ How to locate likely sponsors
- ❖ How to draft a concept paper/foundation inquiry letter
- ❖ How to develop a strong and convincing proposal
- ❖ How to deal positively with reviewers comments

Participation is limited to 20. Those interested in attending must submit a completed application form, available on the RSP homepage at <http://www.wright.edu/rsp>, click on "Proposal Preparation" and scroll to "Application for Next Workshop." You should email the completed form to [rsp@wright.edu](mailto:rsp@wright.edu).

*All applicants must have a Faculty Research Interest Profile on file in RSP to be eligible to attend.*

Applications are due by Friday, April 19, 2002. Your attendance will be confirmed by email. If you have any questions, please contact Jackie Frederick at ext. 2664 or Jan Power at ext. 2425.



# Sponsor Alerts

## National Science Foundation (NSF)

### Revised Grant Proposal Guidelines

The National Science Foundation has published a revision to the NSF Grant Proposal Guide (GPG) that is effective for proposals submitted on or after January 1, 2002.

The revised GPG implements

- ♦ revised proposal preparation guidelines relating to the Project Summary and Project Description (these changes continue NSF's efforts to remind proposers that both NSF merit review criteria must be addressed in the preparation and review of proposals submitted to NSF);
- ♦ updated guidelines for submission of single copy documents; and
- ♦ new capabilities within FastLane for submission of requests for PI transfers, PI changes, and subaward approvals.

Other sections have been revised, as appropriate, to further implement changes in policy and procedure brought about by the electronic signature process. A summary of significant



changes is included on pages iii and iv of the GPG. The new guide, NSF 02-2, can be found at <http://www.nsf.gov/pubs/2002/nsf022/start.html>.

### FastLane Notes

NSF is constantly updating the FastLane proposal submission process. To keep up-to-date on any changes that NSF is implementing, you can check out the NSF FastLane Advisories posted on their Website at <https://www.fastlane.nsf.gov/fastlane.jsp>.

## National Institutes of Health (NIH)

### New Application Forms

A reminder to investigators that use of the revised PHS 398 and PHS 2590 (5/01) application forms is required for proposals submitted after January 10, 2002. A summary of the changes in the new application can be found in the WSU Fall 2001 Research News at <http://www.wright.edu/rsp/Pubs/RN/rn-n1/v33.pdf>.

The new forms and instructions can be accessed through the NIH Forms and Applications home page at <http://grants.nih.gov/grants/forms.htm>.



## Commerce Business Daily and FedBizOpps - Two in One

If you have used the Community of Science database to do a funding search in the *Commerce Business Daily (CBD)* recently, you will have noticed a name change. Effective October 1, 2001, federal agencies were required to begin reporting all contract opportunity, award and contract documents to a new system: *FedBizOpps*. As of January 1, 2002, procurement announcements are no longer required to be published in the *CBD*. Community of Science will continue to offer their members full access to all contents of *CBD* and *FedBizOpps*, ensuring that users have access to all of the information available. Because this database now contains announcements from both publications, the name of this particular database has been changed to *FedBizOpps/Commerce Business Daily*. The database can be accessed through the WSU Libraries Gateway link on the RSP homepage or through your personal COS workbench.

Remember, WSU is a member of COS. To get your free username and password that will enable you to initiate funding searches through COS, go to <http://login.cos.com>. For more information or assistance in using the database, please contact Jackie Frederick, the campus liaison, at ext. 2664 or at [jackie.frederick@wright.edu](mailto:jackie.frederick@wright.edu)



## 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](mailto:rsp@wright.edu)) or visit the office in 201J University Hall.



# AWARDS

*The grants and contracts on these pages were awarded from September 2001 through December 2001*

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

Barnhart, Michael L.  
*Praxis III Regional Assessment Center*  
Ohio Department of Education  
\$168,500

Bernhardt, Gregory R.  
*Teaching Academy Ohio*  
Ohio Board of Regents  
\$50,000

Bernhardt, Gregory R.  
*Partners Transforming Education:  
School, University, Community*  
Ohio Board of Regents  
\$5,000

Mathies, Bonnie K.  
*K-16 Technology Framework for Ohio  
Educators*  
Ohio Board of Regents  
\$40,000

Ovington, June A.  
*Ohio Career-Technical Education  
Leadership Institute*  
Ohio Department of Education  
\$91,800

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

Amer, Maher S.  
*Laser-Based Nano and Micro  
Machining for Meso-Matter Tooling  
and Fabrication*  
Mound Laser and Photonics Center, Inc.  
\$75,639

Awwal, Abdul A.S.  
*Developing Effective Strategies and  
Performance Metrics for Automatic  
Target Recognition*  
University of South Alabama  
\$5,000

Bourbakis, Nikolaos G.  
*Priorities in Graduate Education*  
Ohio Board of Regents  
\$178,216

Callimore, Jennie J.  
*Supervisory Control of Remotely  
Operated Vehicles*  
Dayton Area Graduate Studies Institute  
(DA GSI)  
\$3,300

Garcia, Oscar N.  
*Priorities in Graduate Education  
(Computer Science)*  
Ohio Board of Regents  
\$173,729

Goshtasby, A. Ardes hir  
Satter, Martin  
*Registering MR Brain Images to an Atlas*  
Kettering Medical Center  
\$28,000

Hangartner, Thomas N.  
*Evaluation of a Novel Treatment for  
Osteoarthritis of the Knee*  
Procter & Gamble Company

\$281,912  
Harris, Chester A.  
*Analysis of Lexis-Nexis Queue  
Management*  
Lexis-Nexis  
\$38,100

Harvey, Craig M.  
*Controller Pilot Data Link  
Communications (CPDLC) Program*  
U.S. Department of Transportation,  
Federal Aviation Administration  
\$39,192

Mukhopadhyay, Sharmila M.  
*High Pressure Plasma Processes*  
Procter & Gamble Company  
\$95,000

Phillips, Chandler A.  
Reynolds, David B.  
*REU Supplement - Bioengineering  
Design Projects for the Disabled*  
NSF, Research Experiences for  
Undergraduates  
\$10,000

Raymer, Michael L.  
Doom, Travis E.  
Krane, Dan E.  
*Crossing the Interdisciplinary Barrier:  
An Integrated Undergraduate Program  
in Bioinformatics*  
NSF, Miscellaneous  
\$552,056

Rothrock, Ling  
*Support Situation Understanding in  
National Missile Defense*  
Micro Analysis and Design, Inc.  
\$10,000

Shaw, Arnab K.  
*Order Statistics for FOPEN Target  
Detection*  
Sverdrup Technology, Inc.  
\$25,000

*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.*



Srinivasan, Raghavan  
*Continuous Severe Plastic Deformation  
 Processing of Aluminum Alloys*  
 U.S. Department of Energy  
 \$46,452

Srinivasan, Raghavan  
*Paper Abrasivity Testing - Phase II*  
 Edison Materials Technology Center  
 (EMTEC)  
 \$27,000

Thirunarayan, Krishnaprasad  
*Mixed Signal Modeling for System  
 Level Simulation*  
 Dayton Area Graduate Studies Institute  
 (DA GSI)  
 \$23,920

Wolff, J. Mitch  
 Johnston, David A.  
*Intergovernmental Personnel Agreement  
 - Johnston*  
 DoD, Air Force, Air Force Research  
 Laboratory  
 \$182,306

Wolff, J. Mitch  
*Flow Physics of Incomplete  
 Combustion Products Interaction with  
 Film Cooling Air in High Pressure  
 Turbine Stages*  
 Dayton Area Graduate Studies Institute  
 (DA GSI)  
 \$76,000

Wolff, J. Mitch  
*Precision Design*  
 DoD, Air Force, Air Force Research  
 Laboratory  
 \$35,000

Wolff, J. Mitch  
*Ohio Space Grant Consortium Campus  
 Allocation*  
 Ohio Aerospace Institute  
 \$8,500

Wolff, J. Mitch  
*Computational Fluid Dynamics I*  
 Dayton Area Graduate Studies Institute  
 (DA GSI)  
 \$3,300

Wolff, J. Mitch  
*Computational Fluid Dynamics II*  
 Dayton Area Graduate Studies Institute  
 (DA GSI)  
 \$3,300

Xue, Kefu  
*Visible and Infrared Sensor Fusion*  
 Zybron Optical Electronics, Inc.  
 \$67,726

### *College of Liberal Arts*

Arose, Lisa H.  
*Needs Assessment and Focus Group  
 Plan for Families with Developmental  
 Delays in Greene County*  
 Greene County Family and Children First  
 \$18,460

Arose, Lisa H.  
*Needs Assessment Survey*  
 Area Agency on Aging  
 \$12,248

Arose, Lisa H.  
 Hottle, Teresa L.  
*Abbreviated Health Needs Assessment*  
 Greater Dayton Area Hospital Association  
 (GDAHA)  
 \$7,000

Arose, Lisa H.  
 Hottle, Teresa L.  
*Abbreviated Health Needs Assessment*  
 Montgomery County Family and  
 Children First Council  
 \$2,500

Curry-Jackson, Anita E.  
*Student Achievement in Research and  
 Scholarship (STARS)*  
 Miami University  
 \$2,905

Dockery, Jane L.  
*Anthem Planning Grant: Family  
 Violence Prevention*  
 Abuse and Rape Crisis Shelter of Warren  
 County  
 \$32,924

Dockery, Jane L.  
*City of Dayton Opinion Surveying*  
 City of Dayton Office of Management and  
 Budget  
 \$32,107

Dockery, Jane L.  
*City of Dayton Finance Department  
 Customer Survey and Internal  
 Customers Survey*  
 City of Dayton Office of Management and  
 Budget  
 \$12,864

Dockery, Jane L.  
*Client Satisfaction Assessment*  
 Philada Home Fund (The)  
 \$5,950

Dustin, Jack L.  
*Urban Projects - Urban Universities  
 Linkage*  
 Ohio Board of Regents  
 \$120,770

Dustin, Jack L.  
*State of Ohio's Regions Report*  
 Kent State University  
 \$6,000

Dustin, Jack L.  
*COPC Matching Funds*  
 More Than One Source of Support  
 \$3,000

Grondin, Jessica G.  
*Sinclair Community College Employee  
 Competency Assessment*  
 Sinclair Community College  
 \$2,675

Killian, Jerri  
*Ohio Certified Public Manager*  
 Ohio Department of Administrative  
 Services  
 \$15,920

Killian, Jerri  
*Ohio Certified Public Manager*  
 Cleveland State University  
 \$1,000



Nelson, Sharon H.

*SUMMERBRIDGE DAYTON: The Wright Way to Spend Your Summer*

Iddings Foundation  
\$50,000

Siwecki, Barbara J.

*Jody Pinto/Dayton Alternative Spaces*

Ohio Arts Council  
\$11,794

### ***College of Nursing and Health***

Martin, Patricia A.

*Miami Valley Hospital Operating Agreement*

Miami Valley Hospital  
\$45,000

O'Brien, Barbara S.

*Online Nurses: RN-BSN Program via the Internet*

DHHS, Health Resources and Services Administration  
\$173,322

### ***College of Science and Mathematics***

Arasu, Krishnasany T.

*Mathematical Investigation of Perfect Arrays*

DoD, National Security Agency  
\$23,000

Arlian, Larry G.

*Dust Mite Culture Media*

C.B.F. LETI, S.A.  
\$60,200

Arlian, Larry G.

*Analysis of Enzyme Samples*

Procter & Gamble Company  
\$5,022

Arlian, Larry G.

*Dust Mite Culture Media*

Biopol Laboratory  
\$1,000

Arlian, Larry G.

*Dust Sample Analyses*

Atlas Scientific Technologies, Inc.  
\$100

Basista, Beth A.

*Miami Valley Regional Collaborative for the Improvement of Science and Mathematics Education*

Ohio Board of Regents  
\$150,000

Basista, Beth A.

*Inquiry Physics for Grades 4-6 Dayton Public Schools*

Dayton Public Schools  
\$3,200

Brown, Hunting W.

*Environmental Health Sciences Internship Program*

Veterans Affairs Medical Center  
\$6,180

Brown, Hunting W.

*Environmental Health Sciences Internship Program*

Veterans Affairs Medical Center  
\$5,820

Burton, G. Allen

*5th International Symposium on Sediment Quality Assessment*

More Than One Source of Support  
\$42,525

Burton, G. Allen

*River Index Project*

Miami Valley Regional Planning Commission (MVRPC)  
\$20,300

Burton, G. Allen

*Wabash Alloys - Phase II ERA Workplan and Benthic Study*

RMT, Inc.

\$9,600

Burton, G. Allen

Brown, Hunting W.

*Dry Lick Run Water Quality Assessment*

Five Rivers Metro Parks  
\$7,130

Carmichael, Wayne W.

*Environmental Regulation of Harmful Cyanobacterial Blooms in the St. John's River System, Florida*

University of North Carolina  
\$43,424

Carmichael, Wayne W.

*Structures of Antibiotics and Related Compounds*

University of Illinois  
\$30,025

Carmichael, Wayne W.

*Characterization of Cyanobacteria Secondary Metabolites*

More Than One Source of Support  
\$18,932

Cipollini, Donald F.

*Reciprocal Cross Effects of Induced Systemic Resistance on Pathogens and Insects*

U.S. Department of Agriculture  
\$160,516

Foy, Brent D.

*Simulating the Interactions of Genes, Proteins and Metabolites in Cell-Like Entities*

DoD, Air Force Office of Scientific Research (AFOSR)  
\$62,500

Gilkey, Robert H.

*Robotic Systems for On-Orbit Servicing*  
Dayton Area Graduate Studies Institute (DA GSI)

\$105,467

Gilkey, Robert H.

*Quality of Service Requirements for Coordinated Interactions in Distributed Virtual Environments*

Ohio State University

\$100,000

Gilpin, Roger K.

Tieman, Thomas O.

Garrett, John H.

Soich, Joseph G.

Van Ness, Garrett F.

*Measurement of Non-Point Toxic Pollutants*

Glast, Phillips & Murray

\$4,750



Gilpin, Roger K.  
 Tiernan, Thomas O.  
 Garrett, John H.  
 Solch, Joseph G.  
 VanNess, Garrett F.  
*Measurement of Non-Point Toxic Pollutants*  
 State of Alabama  
 \$3,300

Gilpin, Roger K.  
 Tiernan, Thomas O.  
 Garrett, John H.  
 Solch, Joseph G.  
 VanNess, Garrett F.  
*Measurement of Non-Point Toxic Pollutants*  
 City of Jackson, Ohio  
 \$1,000

Gilpin, Roger K.  
 Tiernan, Thomas O.  
 Garrett, John H.  
 Solch, Joseph G.  
 VanNess, Garrett F.  
*Measurement of Non-Point Toxic Pollutants*  
 Village of Lodi, Ohio  
 \$1,000

Gilpin, Roger K.  
 Tiernan, Thomas O.  
 Garrett, John H.  
 Solch, Joseph G.  
 VanNess, Garrett F.  
*Measurement of Non-Point Toxic Pollutants*  
 City of Ashland, Ohio  
 \$1,000

Gilpin, Roger K.  
 Tiernan, Thomas O.  
 Garrett, John H.  
 Solch, Joseph G.  
 VanNess, Garrett F.  
*Measurement of Non-Point Toxic Pollutants*  
 New York Organic Fertilizer  
 \$1,000

Gilpin, Roger K.  
 Tiernan, Thomas O.  
 Garrett, John H.  
 Solch, Joseph G.  
 VanNess, Garrett F.  
*Measurements of Contaminants in Commercial Herbicide*  
 Albaugh, Inc.  
 \$900

Klein, Helen A.  
*The Cultural Lens in Asymmetrical Operations*  
 Klein Associates, Inc.  
 \$70,000

Look, David C.  
*Materials for High Speed Devices*  
 DoD, Air Force, Air Force Research Laboratory  
 \$90,000

Look, David C.  
*Hall Effect Measurements*  
 Varian Associates, Inc.  
 \$11,200  
 Ritzi, Jr., Robert W.  
*Miami Conservancy District Internship Agreement 01-02*  
 Miami Conservancy District  
 \$18,000

Schindl-Webb, Patricia  
 Hennessy, Michael B.  
*Stress Responsiveness and Behavioral Adaptation to Shelter Living in Dogs*  
 Iams Company, The  
 \$29,172

Shalin, Valerie L.  
*Human Centered Support for Telerobotic Planetary Exploration (II)*  
 National Aeronautics and Space Administration  
 \$70,000

Shalin, Valerie L.  
*Roles for Technology in the Facilitation of Distributed Work in Complex Dynamic Domain*  
 National Aeronautics and Space Administration  
 \$19,232

Shebilske, Wayne L.  
*Visual Orientation and Spatial Memory: Mechanisms and Countermeasures*  
 National Space Biomedical Research Institute  
 \$13,750

Slattery, William  
 Lunsford, Suzanne K.  
 Brame, Roderic I.  
*The Rural Integrated Science Experience (RISE)*  
 Ohio Board of Regents - Title II  
 \$60,685

Turnbull, Kenneth  
*Chemical Product Analysis - Technology Transfer*  
 Aventis CropScience  
 \$4,875  
 Watts, Doyle R.  
*Implementing Web-Based Solutions for Satellite Data Presentation, Analysis and Understanding*  
 Ohio University  
 \$20,969

Wheatly, Michele G.  
*UMEB: Wright State University Partners with Wilberforce University to Yield RESULTS (Research in Environmental Stress for the Underrepresented: Long Term Studies)*  
 NSF, Miscellaneous  
 \$1,450

Wood, Timothy S.  
*Systematics of Plumatellid Freshwater Bryozoans*  
 National Environment Research Council  
 \$2,418

### Lake Campus

Schumm, Gregory F.  
*Grand Lake/Mercer County Project*  
 Grand Lake/Mercer County Research, Inc.  
 \$20,826



Schumm, Gregory F.  
*West Central Ohio Tech Prep Consortium Mini Grant FY02*  
 West Central Ohio Tech Prep Consortium  
 \$6,880

### ***Raj Soin College of Business***

Fannin, D.R.  
*International Economics Workshop*  
 National Council on Economic Education  
 \$1,200

Scherer, Robert F.  
 Bodey, Michael W.  
*Small Business Development Center*  
 Ohio Department of Development  
 \$150,925

Scherer, Robert F.  
 Dustin, Jack L.  
*Dayton Business LINC Partnership*  
 Small Business Administration  
 \$102,137

Sylvester, Roger  
*Online Graduate Credit Auto Insurance Course for High School Educators*  
 Ohio Insurance Institute  
 \$7,500

### ***School of Graduate Studies***

Sanville, Thomas J.  
*OhioLINK*  
 Ohio Board of Regents  
 \$3,834,364

Thomas, Jr., Joseph F.  
*Ohio's Research Challenge - "01-03" Biennium*  
 Ohio Board of Regents  
 \$203,173

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

Alter, Sherman J.  
*Treatment of Pediatric Patients for Infections*  
 Bayer Corporation  
 \$3,000

Brown, Thomas L.  
*Smad Regulation of TGF b-Induced Apoptosis*  
 American Heart Association - Ohio Valley Affiliate  
 \$35,000

Cauley, Katherine L.  
*HealthLink Miami Valley Network*  
 DHHS, Health Resources and Services Administration  
 \$936,335

Cauley, Katherine L.  
*The Midwest Health Professions Service Learning Consortium*  
 Corporation for National Service  
 \$300,000

Cauley, Katherine L.  
 Yung, Betty  
*Violence Prevention Partnership*  
 Anthem Foundation of Ohio (The)  
 \$150,000

Cauley, Katherine L.  
*AHEC Support*  
 Ohio Board of Regents  
 \$122,408

Cauley, Katherine L.  
*Kinship Navigator Program*  
 Montgomery County Department of Job and Family Services  
 \$95,905

Cauley, Katherine L.  
*Development of a Training Manual and Video Script for Entry Level Public Health Practitioners in Primary and Secondary Health Data Collection and Analysis*  
 Ohio Department of Health  
 \$29,975

Cauley, Katherine L.  
 Yung, Betty  
*Public Health Conference Support Program*  
 DHHS, Centers for Disease Control and Prevention (CDC)  
 \$20,000

Cauley, Katherine L.  
*Women's Health Month - 2002*  
 Ohio Department of Health  
 \$15,250

Cauley, Katherine L.  
*State of Ohio Hospital-Based Kinship Education Program*  
 Foundation for Healthy Communities  
 \$7,500

Chumlea, W. Cameron  
 Guo, Shumei S.  
*Development of the Chinese MNA 2000*  
 Nestec Ltd., Vevey, Switzerland  
 \$54,646

Dean, Jay B.  
 Henderson, Richard A.  
*Cellular Mechanisms of Oxygen Toxicity in the Mammalian Central Nervous System*  
 DoD, Office of Naval Research  
 \$230,881

Dean, Jay B.  
*American Physiological Society Travel Award*  
 American Physiological Society (The)  
 \$1,000

Demerath, Ellen W.  
 Siervogel, Roger M.  
*Behavioral Impact of a School-Based Cholesterol Screening Program on Children and Families in Rural Appalachia*  
 American Heart Association - Ohio Valley Affiliate  
 \$35,000

Demerath, Ellen W.  
*Coronary Artery Risk Detection in Appalachian Children (CARDIAC)*  
 West Virginia University  
 \$15,614

Guo, Shumei S.  
*Statistical Analysis of Body Composition Risk Factors*  
 DHHS, National Institute of Child Health and Human Development (NICHD)  
 \$204,731



Hamilton, Glenn C.  
Kent, Michael N.  
*Personnel Support for the  
Wallace-Kettering Neuroscience  
Institute*  
Kettering Medical Center  
\$132,602

Kapp, Marshall B.  
*Protecting Older Participants in  
Biomedical, Behavioral, and Health  
Services Research: The Role of State  
Law and Policy*  
Scripps Gerontology Center  
\$23,157

Kay, Jerald  
*ODMH Interagency Professorship of  
Community Psychiatry*  
Ohio Department of Mental Health  
\$96,004

Kay, Jerald  
*ODMH Forensic Psychiatry Fellowship  
Program*  
Ohio Department of Mental Health  
\$27,870

Kay, Jerald  
*ODMH Multidisciplinary Training  
Program*  
Ohio Department of Mental Health  
\$25,000

Kay, Jerald  
*Professorship of Rural Psychiatry*  
Ohio Department of Mental Health  
\$22,248

Leffak, I. Michael  
*Human c-myc Gene Replication Origin*  
DHHS, National Institute of General  
Medical Sciences (NIGMS)  
\$282,561

Mohler, Stanley R.  
*Aerospace Medicine Residency Program*  
National Aeronautics and Space  
Administration  
\$600,000

Moore, Dennis C.  
*Rehabilitation Research and Training  
Centers (RRTC) on Drugs and  
Disability*  
U.S. Department of Education  
\$103,673

Moore, Dennis C.  
*A Study of the Effectiveness of a Special  
Education Prevention Approach (PALS)*  
Ohio Department of Education  
\$15,000

Morris, Mariana  
Guo, Shumei S.  
*Short-Term Training for Minority  
Students (STREAMS) at WSU*  
DHHS, National Heart, Lung, and Blood  
Institute (NHLBI)  
\$73,440

Organisciak, Daniel T.  
*Acute Administration of Oil Soluble  
Antioxidants in a Model of Retinal  
Degeneration*  
Alcon Laboratories, Inc.  
\$47,725

Organisciak, Daniel T.  
*Light and Circadian Rhythms in  
Transgenic Rat Models of Retinitis  
Pigmentosa*  
Ohio Lions Eye Research Foundation  
(OLERF)  
\$6,500

Paul, Cassandra C.  
Baumann, Michael A.  
*License Agreement for Eosinophilic  
Cell Line*  
Pfizer, Inc.  
\$10,000

Siegal, Harvey A.  
*Crack Cocaine and Health Services Use  
in Rural Ohio*  
DHHS, National Institute on Drug Abuse  
(NIDA)  
\$549,017

Siegal, Harvey A.  
Wang, Jichuan  
Falck, Russel S.  
Carlson, Robert G.  
*Crack and Health Service Use: A  
Natural History Approach*  
DHHS, National Institute on Drug Abuse  
(NIDA)  
\$19,924

Siervogel, Roger M.  
Chumlea, W. Cameron  
Guo, Shumei S.  
Towne, Bradford  
*Subcutaneous Fat, Blood Lipids, and  
Subsequent Outcome*  
DHHS, National Institute of Child Health  
and Human Development (NICHD)  
\$1,166,735

### *School of Professional Psychology*

VandeCreek, Leon D.  
*Practicum Training*  
Dayton Municipal Court  
\$10,000

VandeCreek, Leon D.  
*Practicum Training*  
Dettmer Hospital  
\$6,000

Warfield, Janeece  
*PECE-PACT: Parents Early  
Childhood Education/Positive Action  
Choices Training*  
Montgomery County ADAMH Services  
Board  
\$65,820

Winfrey, LaPearl  
*Practicum Training*  
Trotwood-Madison Schools  
\$36,000

Winfrey, LaPearl  
*Mental Health and Deafness Residency  
Traineeship Program*  
Ohio Department of Mental Health  
\$20,771



Winfrey, LaPearl

*Rural Practice Initiative Residency  
Traineeship Program*

Ohio Department of Mental Health  
\$6,000

Winfrey, LaPearl

*Urban Public Health Initiative*  
Ohio Department of Mental Health  
\$6,000

Yung, Betty

*Violence Prevention Training*  
State of South Carolina  
\$8,476

Yung, Betty

*Violence Prevention Training*  
Family Guidance Training Institute  
\$5,661

### *Student Affairs*

Kayata, Kristen

*Uniform Commutation Allowance*  
DoD, Air Force, AFROTC  
\$174

### *University College*

Kennedy, Sandra D.

*OLMCP Partners Workshops*  
More Than One Source of Support  
\$904

### *Universitywide/Miscellaneous*

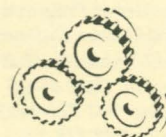
Polk, Simone

*State Traffic Enforcement Program*  
Ohio Department of Public Safety  
\$18,342

If you are interested in applying for external funding but are not sure how or where to begin, RSP has posted a Guide for Proposal Development on our website [www.wright.edu/rsp](http://www.wright.edu/rsp) under the Proposal Preparation link of the homepage. This guide leads potential Principal Investigators through some of the basic steps for finding sponsors for a project and submitting a proposal.

As always, our staff is here to assist you with any questions you may have about proposal submission. We hope to see your name soon under the Awards list in Research News!

## STAFF PROJECTS



### REPORT:

## Inclusion of Women and Minorities as Subjects in Clinical Research

It is a sad fact that, until recent policy changes, federally funded clinical studies have historically excluded women and minorities. This exclusion in essence created a male "norm" for health care practice and research. To illustrate the pitfalls of such a male "norm," we need only recall a study of the use of aspirin as a primary preventative for cardiovascular death in men. Women were initially excluded from the study group, and it was later demonstrated that aspirin was not an effective preventative for women and could actually harm them. Thus, it was discovered that it is not possible to effectively apply the male research model to women and minority groups who may react differently to drug therapies.

The National Institutes of Health (NIH) replied to these inequities by establishing the Office of Research on Minority Health and the Office of Research on Women's Health. In response to the NIH Revitalization Act of 1993 (Public Law 103-43) the NIH in 1994 published its "Guidelines on the Inclusion of Women and Minorities as Subjects in Clinical Research." By mandating this policy, NIH sought to ensure that women and members of minorities and their subpopulations were included in all NIH-supported biomedical and behavioral research involving human subjects. Of particular importance is the inclusion of women and minorities in Phase III clinical trials, the point at which the study drug or treatment is given to large groups of people to confirm its effectiveness.

The NIH has also made it clear in its policy that women and minority groups must be included as human subjects unless there is a "clear and compelling ra-

tionale" that their inclusion is "inappropriate with respect to the health of the subjects or the purpose of the research." Cost is not an acceptable rationale for exclusion, nor is barring women of childbearing potential. The policy applies to research subjects of all ages in all NIH-supported clinical research studies. (Note, however, that federal regulations continue to provide additional protections regarding the inclusion of pregnant women, neonates, and children in federally-funded research.)

The NIH has continued to refine its policy, issuing revisions in August 2000 and then again in October 2001. The latest amendments to the guidelines incorporate a more comprehensive definition of clinical research and provide additional guidance on reporting of any sex/gen-

der and racial/ethnic differences during Phase III clinical trials. Researchers must ensure that they adequately address the issue of whether women, men or members of minority groups and their subpopulations are affected differently by interventions or therapies from NIH-funded clinical research.

These latest refinements to the NIH policy will not have a major impact on grant-funded Principal Investigators. PIs will continue to be expected to develop research plans that incorporate a diverse study population, and progress reports on Phase III clinical trials will have to analyze sex/gender and racial/ethnic differences. The Wright State IRB will continue to ask all investigators proposing to involve human subjects in research to justify any exclusion of women and/or minorities, and will review other areas of the protocol to ensure minimal possibility of coercion in recruiting into or retaining participants in studies.

*Ellen Reinsch Friesse*

*"Researchers must ensure that they adequately address the issue of whether women, men or members of minority groups and their subpopulations are affected differently by interventions or therapies from NIH-funded clinical research."*



## RESEARCH NEWS

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Voice: 937 775-2425  
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 058 Library on February 25, 2002 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), Sponsored Programs Information Network (SPIN), and The Grant Advisor Plus. Registration is limited to the first 15 participants so that



everyone is assured access to a computer. We ask that those wishing to attend please register by February 18<sup>th</sup>. 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 printouts, allowable/unallowable expenses, billing, effort reporting, cost sharing and audits will be held on Thursday, April 25, 2002 from 9:30 to 11:30 a.m. in E156 of the Student Union. You may register by filling out a card in the "Professional Development for Staff" booklet that you will be receiving from Human Resources or by calling ext. 1100

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