

RESEARCH NEWS

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

Winter 2002 Vol 33 No 2

201J University Hall Telephone 775-2425

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.

Inside This Issue

Post Award NEWS Pg. 2

Notes from the Director Pg. 3

Sponsor Alerts Pg. 4

Awards Pg. 5

Staff Projects Pg. 11

Also in This Issue

Technology Showcase Pg. 2


Research Challenge Awardees Pg. 2

Workshop Announcements Pgs. 2 and 12

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). 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. 

Post-Award NEWS

Jeff Kohler

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

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.

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-1/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

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 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

Gallimore, Jennie J.
Supervisory Control of Remotely
Operated Vehicles
Dayton Area Graduate Studies Institute
(DAGSI)
\$3,300

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

Goshtasby, A. Ardeshir
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,

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
(DAGSI)
\$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
(DAGSI)
\$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
(DAGSI)
\$3,300

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

Xue, Kefu
Visible and Infrared Sensor Fusion
Zytron 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

Arlan, Larry G.
Dust Mite Culture Media
C.B.F. LETI, S.A.
\$60,200

Arlan, Larry G.
Analysis of Enzyme Samples
Procter & Gamble Company
\$5,022

Arlan, Larry G.
Dust Mite Culture Media
Biopol Laboratory
\$1,000

Arlan, Larry G.
Dust Sample Analyses

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, Huntting W.
*Environmental Health Sciences
Internship Program*
Veterans Affairs Medical Center
\$6,180

Brown, Huntting 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, Huntting 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*

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
(DAGSI)
\$105,467

Gilkey, Robert H.
*Quality of Service Requirements for
Coordinated Interactions in Distributed
Virtual Environments*
Ohio State University
\$100,000

Gilpin, Roger K.
Tiernan, Thomas O.
Garrett, John H.
Solch, Joseph G.
VanNess, 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. <i>Measurement of Non-Point Toxic Pollutants</i> State of Alabama \$3,300	Gilpin, Roger K. Tiernan, Thomas O. Garrett, John H. Solch, Joseph G. VanNess, Garrett F. <i>Measurements of Contaminants in Commercial Herbicide</i> Albaugh, Inc. \$900	Shebilske, Wayne L. <i>Visual Orientation and Spatial Memory: Mechanisms and Countermeasures</i> National Space Biomedical Research Institute \$13,750
Gilpin, Roger K. Tiernan, Thomas O. Garrett, John H. Solch, Joseph G. VanNess, Garrett F. <i>Measurement of Non-Point Toxic Pollutants</i> City of Jackson, Ohio \$1,000	Klein, Helen A. <i>The Cultural Lens in Asymmetrical Operations</i> Klein Associates, Inc. \$70,000	Slattery, William Lunsford, Suzanne K. Brame, Roderic I. <i>The Rural Integrated Science Experience (RISE)</i> Ohio Board of Regents - Title II \$60,685
Gilpin, Roger K. Tiernan, Thomas O. Garrett, John H. Solch, Joseph G. VanNess, Garrett F. <i>Measurement of Non-Point Toxic Pollutants</i> Village of Lodi, Ohio \$1,000	Look, David C. <i>Materials for High Speed Devices</i> DoD, Air Force, Air Force Research Laboratory \$90,000	Turnbull, Kenneth <i>Chemical Product Analysis - Technology Transfer</i> Aventis CropScience \$4,875
Gilpin, Roger K. Tiernan, Thomas O. Garrett, John H. Solch, Joseph G. VanNess, Garrett F. <i>Measurement of Non-Point Toxic Pollutants</i> City of Ashland, Ohio \$1,000	Look, David C. <i>Hall Effect Measurements</i> Varian Associates, Inc. \$11,200	Watts, Doyle R. <i>Implementing Web-Based Solutions for Satellite Data Presentation, Analysis and Understanding</i> Ohio University \$20,969
Gilpin, Roger K. Tiernan, Thomas O. Garrett, John H. Solch, Joseph G. VanNess, Garrett F. <i>Measurement of Non-Point Toxic Pollutants</i> City of Ashland, Ohio \$1,000	Ritzi, Jr., Robert W. <i>Miami Conservancy District Internship Agreement 01-02</i> Miami Conservancy District \$18,000	Wheatly, Michele G. <i>UMEB: Wright State University Partners with Wilberforce University to Yield RESULTS (Research in Environmental Stress for the Underrepresented: Long Term Studies)</i> NSF, Miscellaneous \$1,450
Gilpin, Roger K. Tiernan, Thomas O. Garrett, John H. Solch, Joseph G. VanNess, Garrett F. <i>Measurement of Non-Point Toxic Pollutants</i> New York Organic Fertilizer \$1,000	Schimi-Webb, Patricia Hennessy, Michael B. <i>Stress Responsiveness and Behavioral Adaptation to Shelter Living in Dogs</i> Iams Company, The \$29,172	Wood, Timothy S. <i>Systematics of Plumatellid Freshwater Bryozoans</i> National Environment Research Council \$2,418
	Shalin, Valerie L. <i>Human Centered Support for Telerobotic Planetary Exploration (II)</i> National Aeronautics and Space Administration \$70,000	Lake Campus
	Shalin, Valerie L. <i>Roles for Technology in the Facilitation of Distributed Work in Complex Dynamic Domain</i> National Aeronautics and Space	Schumm, Gregory F. <i>Grand Lake/Mercer County Project</i> 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)
\$201,721

Hamilton, Glenn C. Kent, Michael N. <i>Personnel Support for the Wallace-Kettering Neuroscience Institute</i> Kettering Medical Center \$132,602	Moore, Dennis C. <i>Rehabilitation Research and Training Centers (RRTC) on Drugs and Disability</i> U.S. Department of Education \$103,673	Siegel, Harvey A. Wang, Jichuan Falck, Russel S Carlson, Robert G. <i>Crack and Health Service Use: A Natural History Approach</i> DHHS, National Institute on Drug Abuse (NIDA) \$19,924
Kapp, Marshall B. <i>Protecting Older Participants in Biomedical, Behavioral, and Health Services Research: The Role of State Law and Policy</i> Scripps Gerontology Center \$23,157	Moore, Dennis C. <i>A Study of the Effectiveness of a Special Education Prevention Approach (PALS)</i> Ohio Department of Education \$15,000	Siervogel, Roger M. Chumlea, W. Cameron Guo, Shumei S. Towns, Bradford <i>Subcutaneous Fat, Blood Lipids, and Subsequent Outcome</i> DHHS, National Institute of Child Health and Human Development (NICHD) \$1,166,735
Kay, Jerald <i>ODMH Interagency Professorship of Community Psychiatry</i> Ohio Department of Mental Health \$96,004	Morris, Mariana Guo, Shumei S. <i>Short-Term Training for Minority Students (STREAMS) at WSU</i> DHHS, National Heart, Lung, and Blood Institute (NHLBI) \$73,440	School of Professional Psychology
Kay, Jerald <i>ODMH Forensic Psychiatry Fellowship Program</i> Ohio Department of Mental Health \$27,870	Organisciak, Daniel T. <i>Acute Administration of Oil Soluble Antioxidants in a Model of Retinal Degeneration</i> Alcon Laboratories, Inc. \$47,725	Vandecreek, Leon D. <i>Practicum Training</i> Dayton Municipal Court \$10,000
Kay, Jerald <i>ODMH Multidisciplinary Training Program</i> Ohio Department of Mental Health \$25,000	Organisciak, Daniel T. <i>Light and Circadian Rhythms in Transgenic Rat Models of Retinitis Pigmentosa</i> Ohio Lions Eye Research Foundation (OLERF) \$6,500	Vandecreek, Leon D. <i>Practicum Training</i> Dettmer Hospital \$6,000
Kay, Jerald <i>Professorship of Rural Psychiatry</i> Ohio Department of Mental Health \$22,248	Paul, Cassandra C. Baumann, Michael A. <i>License Agreement for Eosinophilic Cell Line</i> Pfizer, Inc. \$10,000	Warfield, Janece <i>PECE-PACT: Parents Early Childhood Education/Positive Action Choices Training</i> Montgomery County ADAMH Services Board \$65,820
Leffak, I. Michael <i>Human c-myc Gene Replication Origin</i> DHHS, National Institute of General Medical Sciences (NIGMS) \$282,561	Siegel, Harvey A. <i>Crack Cocaine and Health Services Use in Rural Ohio</i> DHHS, National Institute on Drug Abuse (NIDA) \$549,017	Winfrey, LaPearl <i>Practicum Training</i> Trotwood-Madison Schools \$36,000
Mohler, Stanley R. <i>Aerospace Medicine Residency Program</i> National Aeronautics and Space Administration \$600,000		Winfrey, LaPearl <i>Mental Health and Deafness Residency Traineeship Program</i> 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

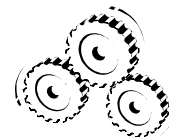
Ohio Department of Public Safety
\$18,342



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 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 Friese

"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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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 18th. 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 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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