

RESEARCH NEWS

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

Spring 2007 Vol 38 No 3

201J University Hall Telephone 775-2425

Research Challenge Major Collaboration



Awards Announced



The Major Collaboration and Infrastructure Grant Program is intended to provide funding to encourage the formation of collaborative research teams and the development of proposals for major external grants and contracts. The University will make a strategic investment in the research and/or

infrastructure, and the funds will play a major role in helping the collaborating investigators secure external funding in the future. The competition resulted in eight proposals submitted of which four were selected for funding for a total of \$160,000. Our congratulations to the recipients.

Seed Grant for Center of Excellence: Nanoscale Science & Engineering of Multi-Functional Materials \$60,000

Sharmila M. Mukhopadhyay

Mechanical and Materials Engineering, CECS with

G. Allen Burton

Earth and Environmental Sciences, COSM

Advanced Data Management Resource for Biomedical Research \$30,000

Amit Sheth

Computer Science and Engineering, CECS with

Michael L. Raymer

Computer Science and Engineering, CECS and

Nicholas V. Reo

Biochemistry and Molecular Biology, BSOM

Computational Modeling, Target Tracking, Mission Management, and Decision Making Platform for Cooperative UAV's \$45,000

Xinhui Zhang

Biomedical, Industrial and Human Factors Engineering, CECS with

Raymond Hill

Biomedical, Industrial and Human Factors Engineering, CECS and

Lang Hong

Electrical Engineering, CECS

Wright Research Initiative for the Technological Evolution with RFID (WRITER) \$25,000

Arijit Sengupta

Information Systems and Operations Management, Raj Soin College of Business with

Vikram Sethi

Information Systems and Operations Management, Raj Soin College of Business and

Xinhui Zhang

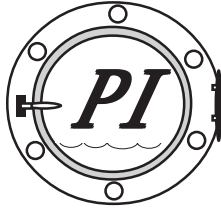
Biomedical, Industrial and Human Factors Engineering, CECS

What's Inside

NOTES from the AVP	Pg. 2
OVALS Conference	Pg. 2
Internal Awards	Pg. 3
Our Students	Pg. 4
External Awards	Pg. 5



Notes from the AVP



With a view to making it easier for investigators to get information about their external grant and contract awards and proposals, I have created what I call a "PI Portal" that is accessible through the internet. In its current form (and I hope continually to make improvements in it), the portal contains information about recent pro-

posals submitted, active awards, and awards that were active in the past two years. Facsimiles of our "yellow sheet" (the proposal routing form) and "green sheet" (the budget summary) are available, along with current expenditure information in summary form and, in some cases, a copy of the award document. I say "in some cases" because we only recently began to scan awards to get them into the system, and we haven't had the resources to go back to capture older awards.

For more detailed expenditure information, you will still need to use Wings Express. One advantage of the PI Portal, however, is that co-investigators can now see information about awards on which they are working, even if

the PI is in a different school/college.

To access the PI Portal, you will need a computer with a "wright.edu" web connection (or, for the more advanced users, any machine with VPN) plus your U number. Go to the RSP home page (www.wright.edu/rsp) and click on "Resources" in the left-hand menu. Then select "Link to PI Portal" near the bottom of the Resources page, and on the succeeding page select "PI Portal." At the log-in screen, select "Guest Account" and click the "Login" button. At the next screen, enter your U number and press the "Continue" button.

I'd appreciate any feedback you might have. I can be reached at william.sellers@wright.edu.

Bill

WELCOME

RSP welcomes **Aja Ash** as our new Records Technician. Aja will be dividing her time providing administrative/



clerical support for the post-award and compliance areas. A chance for her to multitask to the max!

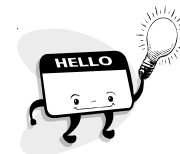
OVALS Conference Highlights

The fifth annual conference of the Ohio Valley Affiliates for Life Sciences (OVALS) was held at the University of Cincinnati in March 2007. Wright State University is a member of this collaborative group, composed of university researchers, technology transfer professionals, corporate scientists, business development specialists, and others interested in the commercialization of new life sciences technologies.

This year's conference focused on "Translational Research and Innovation: Putting Technology Ideas to Work," featuring speakers from industry to the federal government. A

new facet of the event, the OVALS Research Fair, offered participants a chance to submit a scientific poster and abstract with the possibility of winning a cash award of up to \$1,000. The sessions provided a unique opportunity for audience members to learn first hand about models and strategies for innovations that have been successfully used to foster commercialization of biotechnology and medical devices.

In his address on "Grant Writing for Translational Research: It's More than the Science," Dr. Robert Yuan, a member of the National Academy of Sciences, offered in-



valuable tips on the preparation of proposals for The Third Frontier Program, Ohio's largest-ever commitment to expanding the state's high-tech research capabilities and promoting innovation and company formation to create high-paying jobs for generations to come. RSP has compiled these tips and made them available at the following site: <http://www.wright.edu/rsp/proposal.html>

We encourage you to review these notes if contemplating a submission to one of the upcoming solicitations for The Third Frontier Program. If you have any questions related to OVALS, please contact RSP at ext. 2425.

Internal Funding Awards Announced

Research Incentive Awards

RSP is pleased to announce the award recipients for the FY 2007 Research Incentive Program. The Research Initiation competition attracted 18 proposals of which seven were selected for funding for

a total of \$70,000. There were 24 proposals in response to the Professional Development competition with eight awarded for a total of \$24,000.



Research Initiation

Abinash Agrawal	<i>Treatment Potential of Groundwater Pollutants in a Wetland: Biogeochemical Processes at Shallow Depths</i>	\$10,000
Marlese Durr Small, La Fleur	<i>Rocking Steady: Remaining in Recovery While Dealing with Stressful Life Events and HIV/AIDS</i>	\$10,000
Julie Konik	<i>A Multi-level Analysis of Predictors of Heterosexist Harassment in the Workplace</i>	\$10,000
Meilin Liu	<i>Pattern Search Engine for Network Security using FPGA</i>	\$10,000
Michael Raymer	<i>Investigation of Codon Usage Biases and Gene Expressivity</i>	\$10,000
Elizabeth Sorensen Sincoff, Michael	<i>Developing an Instrument to Assess College Student-Athlete Pregnancy</i>	\$10,000
Karen Wonders	<i>The Effects of Orthostatic-Induced Hypotension on Pain Perception</i>	\$10,000

Professional Development

Deborah Blair	<i>Costume and Architectural Research in Italy</i>	\$3,000
Anthony Evans	<i>Orthogonal Latin Squares Based on Groups</i>	\$3,000
Shelley Jagow	<i>Professional CD Recording of the WSU Saxophone Quartet</i>	\$3,000
Pramod Kantha	<i>New Role of Judiciary: Fieldwork in Delhi and Kathmandu</i>	\$3,000
Michael Norris	<i>Cross-Cultural Study of Police Use of Force</i>	\$3,000
Timur Pollack-Lagushenko	<i>The Role of Small Towns in Late Medieval France</i>	\$3,000
D'Arcy Smith	<i>International Voice Workshops with Richard Armstrong</i>	\$3,000
Carol Wagner-Williams La Forge, Jan	<i>Traumatic Brain Injury Documentary</i>	\$3,000

Ohio Collaborative Conference on Bioinformatics (OCCBIO)

Connecting Ohio's Bioinformatics and Bioscience Research Leaders

Miami University, Oxford, Ohio

July 9-11, 2007

The 2nd annual conference will be hosted by Miami University and co-hosted by Cincinnati Children's Hospital Medical Center. The central purpose of the conference is to build collaborative relationships between Ohio's academic, industrial and government researchers who are interested in informatics and life sciences. The conference offers an interdisciplinary forum for the discussion of approaches, research findings, and experiences in bioinformatics and computational biology.

The OCCBIO conference committee would welcome your support and participation at OCCBIO 2007. We encourage you to join us as we work to build the future of collaborative bioinformatics research, development and education throughout Ohio.

Keynote Speakers

Ming Li, Ph.D. Professor, Canada Research Chair in Bioinformatics, Fellow, Royal Society of Canada, University of Waterloo

Sudhir Kumar, Ph.D. Professor, Director Center for Evolutionary Functional Genomics, Arizona State University

Ron Elber, Ph.D. Professor, Director of the Computational Biology Service Unit Cornell University

David States, Ph.D., M.D. Professor University of Michigan School of Medicine

David E. Hill, Ph.D. Senior Research Scientist, Associate Director of Center for Cancer Systems Biology, Dana-Farber Cancer Institute, Harvard University



For registration and program information, please visit <http://www.occbio.org/2007>.

Students! What would we do without them?

In RSP, our reliance on student workers is legendary. And we like to feel that our students are legendary, too. We try to hire them “fresh” in their first year because their training is so extensive, and we like to keep them throughout their tenure at Wright State. By the time they leave, they have an insider’s view of the research administration world, whether they want it or not. We have had nursing majors, education majors, PE majors, music majors, and computer science majors. They have all made their impression on RSP, and RSP has actually made a lasting impression on at least one. One of RSP’s

alumni is now a graduate student and has come back to our office to receive insight on how to facilitate the set-up of a compliance board in Arizona. We feel that student workers are a bargain to us at any price. In addition to the satisfaction of knowing that we are indirectly enhancing all students’ experience at WSU by helping faculty in their efforts to find, apply for, and manage research support, we find that they are an invaluable resource of intelligent, hard workers.

In recognition of last month’s student appreciation week, we would like to introduce you to our current students:

RSP depends on student workers, and we have been very lucky in all of our choices. So, as you see determined students traversing campus to have those RED FOLDERS delivered, you will know they are furthering the cause of research at WSU!

Thanks to you, Kelly, Rachael, Lindsey, Prateek, and Kia!

Rachael Brown, (left) Office Assistant

Major: Exercise Biology

Rank: Junior

Rachael joined the office in February of 2006 and works with Robyn Wilks, CIM, and Chris Piekola in the Compliance Area of the office. She feels that pursuing a career in exercise biology is the best way to help people, especially the elderly recovering from debilitating events. We are sure that with her outgoing personality and empathy, she will be a huge success. She carries 15 to 18 credit hours in addition to working with us and also helping her family in their sponsorship of “outlaw demolition derby” events. She is such a help to Chris and Robyn that they feel they can now hand her complicated tasks with no worry.



Kelly McGhee, (center) Office Assistant

Major: Integrated Language Arts/English Education

Rank: Junior

Kelly started with us in September of 2005 and has chosen a very demanding career insofar as her preparation for it requires that she finish her undergraduate work successfully and move directly to her master’s work. She is carrying 20 credit hours this quarter and, of course, working for us. She will be attending school over the summer, also. She’s very determined to finish undergraduate work in four years, and we know she will do it. Kelly works in the Pre-Award area of the office, assisting Jan Power in disseminating funding opportunity information and many, many other tasks that require her problem-solving skills.

Lindsey Irwin, (right) Accounting Intern

Major: Accounting/Finance

Rank: Senior

Lindsey has been with RSP since September of 2005 in the Post Award area of the office. She was our first Accounting Intern, and she has been such an asset to the office that we have hired a second Intern. She has the knowledge to assist the post award area in accounting tasks (even in Banner), but she is always willing to run an errand when the other students are not available. Her cheerful disposition and admirable work ethic have made her invaluable to us. We are sad to be losing Lindsey to graduation this spring, but we know she will be very successful in her career.

Kia Draper, (left) Accounting Intern

Major: Accounting/Finance

Rank: Senior

Kia is our newest student worker and we welcome her! She just started with us in April, coming to us with an associate’s degree in business administration from Sinclair Community College. She will be taking over many of Prateek’s duties as he steps into Lindsey’s position.



Prateek Anand, (right) Accounting Intern

Major: Management

Rank: Freshman

Prateek will be stepping into Lindsey’s position when she graduates and what a relief to have someone as competent right at hand. With us since January, 2007 he has caught on very quickly and we really enjoy his sense of humor. A Tae-Kwon-Do champion and also a basketball player, he usually carries 14 - 16 credit hours in addition to assisting RSP. He came to the US from India in 2006 after working in his father’s business and attending one year of college there. He feels his decision to enroll at WSU (we had been recommended by friends and relatives) was a good one and we hope he stays with us for his full tenure.

AWARDS

The grants and contracts on these pages were awarded from January 2007 through April 2007

Academic Affairs	Bonnet, Michael H. <i>Sleep Disorders of Chronic Shift Work Extension Studies</i> Cephalon, Inc. \$10,788	Demerath, Ellen W. Czerwinski, Stefan Aleksander Sun, Shumei S. Towne, Bradford Choh, Audrey Cheng-Lin <i>The Genetics of Infant Growth and Later Obesity</i> DHHS, National Institute of Child Health and Human Development (NICHD) \$274,414
Duncan, Chris Swift, Shawn S. <i>Uniform Commutation Allowance</i> DoD, Air Force, AFROTC \$5,595	Cauley, Katherine L. <i>AHEC Support</i> Ohio Board of Regents \$45,182	Dodge, Robin E. <i>Aerospace Medicine Residency Program</i> National Aeronautics and Space Administration \$200,000
Boonshoft School of Medicine	Cauley, Katherine L. <i>Sinclair Community College Matching Funds: CY2007</i> Sinclair Community College \$35,000	Dodge, Robin E. <i>Aerospace Medicine Training for the Era of Moon, Mars, and Beyond</i> National Aeronautics and Space Administration \$135,000
Alvarez, Francisco J. <i>Development of Synaptic Inputs on Spinal Interneurons</i> DHHS, National Institute of Neurological Disorders and Stroke (NINDS) \$283,203	Cauley, Katherine L. <i>Consulting Services - Health Policy Institute of Ohio (HPIO)</i> Health Policy Institute of Ohio \$4,448	Falck, Russel S. Carlson, Robert G. <i>MCHD CSAT HIV Prevention Project</i> Montgomery County Combined Health District \$5,300
Alvarez, Francisco J. <i>Benzodiazepine-Induced Glutamate Receptor Plasticity</i> University of Toledo \$18,001	Cope, Timothy C. <i>Functional Assemblies of Motor Units</i> DHHS, National Institute of Neurological Disorders and Stroke (NINDS) \$319,689	Gebhart, Mark E. <i>Acute Care Centers</i> Ohio Department of Health \$3,000,000
Baumann, Michael A. Paul, Cassandra C. <i>License Agreement for AML14 and AML14.3D10 Cell Lines</i> AstraZeneca \$10,000	Cope, Timothy C. <i>Spinal Mechanisms Regulating Muscle and Limb Mechanics</i> Emory University \$26,502	Gebhart, Mark E. Hamilton, Glenn C. <i>Neighborhood Emergency Help Centers</i> Ohio Department of Health \$340,000
Berberich, Steven J. <i>Deciphering How Mdmx Deregulation Impacts the p53 Pathway</i> DHHS, National Cancer Institute (NCI) \$37,878		

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.

Gomez-Cambronero, Julian <i>Molecular Basis of GM-CSF-Induced Neutrophil Chemotaxis</i> DHHS, National Heart, Lung, and Blood Institute (NHLBI) \$340,160	Heffernan, Michael P. <i>A Phase II, Multicenter, Open Label Study to Determine the Efficacy of Adalimumab in the Treatment of Cutaneous Sarcoidosis</i> Abbott Laboratories \$25,200	McAlearney, John Schuster, Richard J. Terwoord, Nancy <i>Physician Recruitment and Retention Research</i> Health Foundation of Greater Cincinnati \$48,000
Halm, Dan R. <i>Regulation of Secretory Ion Channels in Colonic Crypts</i> DHHS, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) \$258,521	Heffernan, Michael P. <i>Novel Treatment for Acne Vulgaris</i> Charles River Laboratories Clinical Services Inc. \$12,892	Moore, Dennis C. <i>RRTC on Substance Abuse, Disability, and Employment</i> U.S. Department of Education \$699,981
Hangartner, Thomas N. <i>Bone Mineral Density in Childhood Study (BMDCS)</i> Clinical Trials & Surveys Corp. \$16,003	Heffernan, Michael P. <i>Observational Post-Marketing Safety Surveillance Registry of Enbrel (etanercept) for the Treatment of Psoriasis</i> Immunex Corporation \$8,956	Moore, Dennis C. <i>The Community Health Initiative</i> DHHS, Substance Abuse and Mental Health Services Administration (SAMHSA) \$254,320
Hangartner, Thomas N. <i>Postmenopausal Evaluation and Risk Reduction</i> Pfizer, Inc. \$14,191	Heffernan, Michael P. <i>Pilot Study for the Treatment of Erosive Mucosal Lichen Planus</i> Immunex Corporation \$625	Moore, Dennis C. <i>DeafLink Evaluation and Consultation</i> Family Services Association \$15,000
Hangartner, Thomas N. <i>Evaluation of a Novel Treatment in Patients with Osteogenesis Imperfecta</i> Procter & Gamble Company \$6,505	Kay, Jerald <i>Personnel Support for the Wallace-Kettering Neuroscience Institute - Kirbas</i> Kettering Medical Center \$43,295	Moore, Dennis C. Ford, JoAnn <i>Prevention Through Alternative Learning Styles (PALS) Training</i> University of Cincinnati \$10,000
Heffernan, Michael P. <i>Novel Treatment for Psoriasis</i> Astellas Pharma US, Inc. \$69,950	Kay, Jerald <i>Personnel Support for the Wallace-Kettering Neuroscience Institute - Kent</i> Kettering Medical Center \$17,318	Morris, Mariana Elased, Khalid M. Adragna-Lauf, Norma C. Cool, David R. <i>U.S. Brazil Consortia for Biomedical Sciences Exchange</i> Wake Forest University \$10,329
Heffernan, Michael P. <i>A Phase II, Multi-Center, Open Label Study to Determine the Efficacy of Adalimumab in the Treatment of Pyoderma Gangrenosum</i> Abbott Laboratories \$25,200	Leffak, I. Michael <i>DNA Replication Fork: Pausing, Recombination and Disease</i> Children's Hospital Research Foundation \$54,497	Saklayan, Mohammad G. <i>Novel Treatments for Patients With Kidney Disease</i> Amgen, Inc. \$6,028

Schuster, Barbara L.
*Personnel Support for the PET Center,
Kettering Medical Center - Rehani*
Kettering Medical Center
\$19,419

Sherwood, Richard J.
Duren, Dana L.
Siervogel, Roger M.
Towne, Bradford
*Genetic Architecture of the Human
Craniofacial Complex*
DHHS, National Institute of Dental and
Craniofacial Research (NIDCR)
\$340,646

Sun, Shumei S.
Chumlea, W. Cameron
Siervogel, Roger M.
Pickoff, Arthur S.
*Longitudinal Cardiac Outcomes and
Body Composition*
DHHS, National Heart, Lung, and Blood
Institute (NHLBI)
\$543,749

College of Education and Human Services

Barnhart, Michael L.
Praxis III Regional Assessment Center
Ohio Department of Education
\$344,300

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

Langlois, Marietta A.
Create a Classroom that Moves!
Kenia Community School District
\$2,310

Tomlin, James H.
Basista, Beth A.
Kenyon, Lisa Orvik
Franco, Suzanne
*Life Science, Physical Science and
Mathematics Professional Development
Project for Grades 6-11 Teachers*
Ohio Board of Regents - Title II
\$202,655

College of Engineering and Computer Science

Bayraktaroglu, Burhan D.
Garber, Fred D.
*Polymer Nanocomposites as Future
Materials for Defense and Energy
Applications*
Universal Technology Corporation
\$33,825

Emmert, John M.
*Development of In-house Digital System
for Radar Applications*
Wyle Laboratories
\$62,194

Gallagher, John C.
*CAREER: Evolvable Hardware
Neuromorphic Computational Devices
for Sensing and Control*
NSF, Faculty Early Career Development
(CAREER)
\$94,933

Gallimore, Jennie J.
*Patient Safety and the Primary Care
Testing Process*
University of Cincinnati
\$13,000

Golshani, Forouzan
Jean, Jack S.
*RFID - Enabled Dispatch Verification
System and WCI Support*
Dayton Development Coalition
\$353,322

Goshtasby, A. Ardeshir
*Design of a Persistent Agile Airborne
Target Tracking System*
DoD, Air Force, Air Force Research
Laboratory (AFRL)
\$50,000

Goswami, Tarun
*Investigations into Zinc Dichromate
Alternatives and Chromatic Treatment on
Galvanized Steel*
Copeland Corporation
\$20,000

Goswami, Tarun
*Travel Support--Biomedical Engineering
Society Meeting*
Ohio Northern University
\$500

Grandhi, Ramana V.
*Reliability-Based Multi-Disciplinary
Design Optimization of Tactical Scale
Underwater Vehicles*
DoD, Office of Naval Research
\$70,000

Hong, Lang
Video Tracking and Sensor Registration
General Dynamics Information
Technology, Inc.
\$65,717

Hong, Lang
Persistent Tracking
DoD, Air Force, Air Force Research
Laboratory (AFRL)
\$50,000

Mawasha, P. Ruby
Rowley, Blair A.
Wolff, J. Mitch
Yelamarthi, Kumar
Wright STEPP Fuel Cell Project
Ohio Space Grant Consortium
\$1,000

Menart, James A. Shang, Joseph J.S. <i>Plasma Modeling Program</i> Universal Technology Corporation \$154,487	Penmetsa, Ravi C. <i>DAGSI Cost Share: Risk-Based Design of Air Vehicle Structures</i> Dayton Area Graduate Studies Institute (DAGSI) \$34,000	Siferd, Raymond E. <i>Second Generation Advanced CMOS IF Receiver Stage</i> Raytheon Company \$64,000	
Menart, James A. Wolff, J. Mitch <i>Computational Thermodynamics - Phase II</i> DoD, Air Force, Air Force Research Laboratory (AFRL) \$45,000	Rigling, Brian D. Garber, Fred D. Hong, Lang Shaw, Arnab K. Xue, Kefu <i>Multi-Sensor/Multi-Modal Sensor Development and Algorithm Research for Urban Vigilance</i> Wright Brothers Institute, Inc. (The) \$35,000	Thomas, Scott Keith <i>Thermal Management of Next-Generation Power Electronics for the More-Electric Aircraft Initiative</i> Universal Technology Corporation \$28,148	
Narayanan, Sundaram <i>Virtual Simulation Infrastructure Development/EAAGLES Training</i> Wright Brothers Institute, Inc. (The) \$70,000	Rigling, Brian D. Wu, Zhiqiang <i>Software-Defined Radio for Robust and Low-Cost Detection of Electronic Emitters</i> MacAulay-Brown, Inc. \$10,000	Thomas, Scott Keith <i>43rd AIAA Joint Propulsion Conference Student Design Challenge</i> DoD, Air Force Office of Scientific Research (AFOSR) \$7,000	
Narayanan, Sundaram Zhang, Xinhui <i>Wright Innovation and Collaboration (WICC) Virtual Hub</i> Wright Brothers Institute, Inc. (The) \$50,000	Rigling, Brian D. <i>System Analysis and RF-Floodlight Exploitation of Short-Range GOTCHA Repeaters</i> General Dynamics Information Technology, Inc. \$9,481	Young, Henry Daniel <i>Fabrication, Characterization, and Testing of Graded Solid Oxide Fuel Cell Capacitor Layers</i> Universal Energy Systems, Inc. (UES, Inc.) \$34,000	
Narayanan, Sundaram <i>Research Consulting Agreement--L. Koppaka</i> LexisNexis Univentio \$38,106	Shang, Joseph J.S. <i>Magneto-Aerodynamic Actuator Simulation</i> DoD, Air Force Office of Scientific Research (AFOSR) \$134,647	College of Liberal Arts	
Narayanan, Sundaram <i>Operator Expertise in Control Rooms More Than One Source of Support</i> \$15,000	Sheth, Amit <i>Collaborative Proposal: ITR-SemDIS: Discovering Complex Relationships in the Semantic Web</i> NSF, Miscellaneous \$302,295	Bullock, Richard H. <i>Institute on Writing and Teaching 2007</i> Ohio Board of Regents \$16,666	
Narayanan, Sundaram <i>Web 2.0 Human Computer Interaction Research</i> SIRSAI, Inc. \$14,350		Dockery, Jane L. <i>Shelby County Market Analysis</i> Shelby County Commissioners \$17,929	
Penmetsa, Ravi C. <i>Risk-Based Design of Air Vehicle Structures</i> University of Illinois \$106,377		Dockery, Jane L. <i>Facilitative Assistance for the H.B. 289 Process</i> Greene County Family and Children First \$7,000	

Dockery, Jane L. <i>Child and Youth Development Initiative: Framing the Planning Process</i> Iddings Foundation \$4,000	Walker, Ariel B. Dustin, Jack L. Dockery, Jane L. <i>Technical and Facilitative Assistance for the HB 289 Process</i> Champaign County Family and Children First Council \$5,578	Bennett, Kevin B. <i>Human-Machine Interfaces for Coordination Decision Support in Tactical Settings (WICTOR)</i> JKT Applications, Inc. \$78,648
Dustin, Jack L. <i>Urban Projects - Urban Universities Linkage</i> Ohio Board of Regents \$40,125	Walker, Ariel B. <i>Survey and Technical Assistance for the HB289 Process</i> Mercer County Family and Children First Council \$5,215	Bennett, Kevin B. <i>Expanding the RAPTOR R&D Environment</i> Alion Science and Technology \$48,751
Jones, Thomas Davidson <i>Nursing Education Assessment</i> Adena Health Systems \$10,850	College of Science and Mathematics	
Jones, Thomas Davidson <i>Butler County Regional Transit</i> Butler County Regional Transit Authority \$9,843	Alter, Gerald M. <i>Graduate Research Assistant Support-- Kolawole</i> Central State University \$14,400	Burton, G. Allen <i>Sediment Ecosystem Assessment Protocol (SEAP): An Accurate and Integrated Weight-of-Evidence Based System</i> DoD, Other \$112,630
Jones, Thomas Davidson <i>Cable Satisfaction Survey</i> Intercommunity Cable Regulatory Commission (ICRC) \$8,222	Arasu, Krishnasany T. <i>Sequences and Signal Designs: A Mathematical Investigation</i> DoD, Air Force Office of Scientific Research (AFOSR) \$32,272	Burton, G. Allen <i>Stormwater Assessment Options on the Mad River for 2007 - City of Dayton</i> City of Dayton, Miscellaneous \$50,000
Jones, Thomas Davidson <i>Christ United Methodist Church Needs Assessment</i> Christ United Methodist Church \$3,154	Artian, Larry G. Morgan, Marjorie S. <i>Scabies: Biology, Culture, Host Specificity and Antigens</i> DHHS, National Institute of Allergy and Infectious Diseases (NIAID) \$287,000	Carmichael, Wayne W. <i>Characterization of Cyanobacteria Secondary Metabolites - Federal More Than One Source of Support</i> \$38,255
Leung, Jackson <i>WSU Chamber Orchestra Cultural Exchange</i> Ohio Arts Council \$5,000	Artian, Larry G. <i>Laundry Sample Analysis</i> Procter & Gamble Company \$74,873	Carmichael, Wayne W. <i>Characterization of Cyanobacteria Secondary Metabolites</i> More Than One Source of Support \$31,758
Peck, Dana <i>Miami County Board of Commissioners Graduate Student Intern</i> Commissioners of Miami County \$3,087		Cipollini, Donald F. <i>Phytochemical Basis of Inter- and Intra- Specific Variation in Resistance of Ash to Emerald Ash Borer</i> Ohio State University \$42,764

Cipollini, Donald F.
Chemical Ecology of Host-Mediated Systemic Interactions Between Pathogens and Insects in Austrian Pine Over a Fertility Gradient
 Ohio State University
 \$21,389

Claffin, Jr., Bruce B.
Characterization of Electronic Device Materials
 University of Dayton
 \$497,355

Feld, William A.
Single Ionic Conducting Polymer Electrolyte
 University of Dayton
 \$50,000

Fossum, Eric
Custom Synthesis of Intermediates for AFX Chromophores
 Universal Technology Corporation
 \$58,500

Gilpin, Roger K.
State of Ohio Sludge Program
 More Than One Source of Support
 \$51,720

Gilpin, Roger K.
Evaluation of Commercial Processes
 Solutia, Inc.
 \$10,500

Gilpin, Roger K.
Measurement of Fish Samples for Toxic Pollutants
 State of Alabama
 \$3,570

Gilpin, Roger K.
Measurement of Non-Point Toxic Pollutants
 City of Honolulu, HI
 \$3,150

Higgins, Steven R.
Fluid Chemistry, Surface Chemistry and Fracture Mechanics: An Investigation of the Connection at the Nanoscale
 U.S. Department of Energy
 \$109,618

Koenig, Kathleen
 Basista, Beth A.
Ohio Science Institute Program OSCI
 Ohio Department of Education
 \$242,560

Look, David C.
ZnO Based Light Emitters for UV/Blue Applications
 SVT Associates Inc.
 \$40,000

Look, David C.
Hall Effect Measurements
 More Than One Source of Support
 \$1,400

Lunsford, Suzanne K.
 Slattery, William N.
 Ciampaglio, Charles N.
 Teed, Rebecca E.
Partners in Integrated Earth Systems Science (PIES)
 Ohio Board of Regents - Title II
 \$65,317

Petkie, Douglas T.
THz Technology and Molecular Interactions
 Ohio State University
 \$5,000

Reed, Michelle K.
 Mathews, Susann M.
Ohio Mathematics Academy Program (OMAP)
 Ohio Department of Education
 \$255,286

Ritzi, Jr., Robert W.
Ground Water Protection Program 2007
 Cemex
 \$16,000

Ritzi, Jr., Robert W.
 Dominic, David F.
Collaborative Research on Reactive Transport Modeling: Formulating a Model for Spatial Cross-Correlation Between Hydraulic and Reactive Aquifer Attributes as Determined by Sedimentary
 NSF, Grants for Scientific Research
 \$11,714

Schneider, Tamara
Experimental Evaluation of Collaborating Teams (EECT)
 Northrop Grumman Corporation
 \$35,961

Shebilske, Wayne L.
Research and Technical Support for the Culture and Cognition Laboratory (CCL)
 DoD, Air Force, Air Force Research Laboratory (AFRL)
 \$115,116

Shebilske, Wayne L.
 Flach, John M.
I2MAP: Intelligent Icons for Meta-information Adaptive Presentation
 Aptima, Inc.
 \$42,727

Slilaty, Daniel C.
Decompositions of Biased Graphs and Flow-Coloring Duality for Imbedded Graphs
 DoD, National Security Agency
 \$15,000

Tarpey, Thaddeus
Identifying Placebo Responders in Drug Treated Subjects
 DHHS, National Institute of Mental Health (NIMH)
 \$179,036

Wheatly, Michele G.
 Mawasha, P. Ruby
LSAMP Bridge Program
 Ohio State University
 \$54,400

Wheatly, Michele G.
*American Physiological Society Invited
 Speaker Travel Award*
 American Physiological Society (The)
 \$500

Lake Campus

Schumm, Gregory F.
*Targeted Training Grant: Ametek -
 Chemical Products Division*
 Lorain County Community College
 \$10,000

Schumm, Gregory F.
*Targeted Training Grant - Brawn
 Industries*
 Lorain County Community College
 \$6,200

Schumm, Gregory F.
Targeted Training Grant: Minster Bank
 Lorain County Community College
 \$2,400

School of Graduate Studies

Bantle, Jack A.
*Ohio's Research Challenge - "05-07"
 Biennium*
 Ohio Board of Regents
 \$190,471

Sanville, Thomas J.
OhioLINK
 Ohio Board of Regents
 \$1,721,956

**School of Professional
 Psychology**

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

Yung, Betty
*Research and Evaluation Enhancement
 Program*
 Ohio Commission on Minority Health
 \$100,000

Yung, Betty
*Research and Evaluation Enhancement
 Program*
 Ohio Commission on Minority Health
 \$63,998

Student Affairs

Anslinger, Amy A.
*Kayak Instruction and Leadership
 Program*
 Ohio Department of Natural Resources
 \$23,395

Boyd, Willie A.
PELL Grant Program
 U.S. Department of Education
 \$46,758

Darr, David R.
PELL Grant Program
 U.S. Department of Education
 \$11,104,825

Darr, David R.
College Work-Study Program
 U.S. Department of Education
 \$940,830

Darr, David R.
*Supplemental Educational Opportunity
 Grant Program (SEOG)*
 U.S. Department of Education
 \$358,410

Perry, Roderick D.
 Hill, Sara Jane
*Student-Athlete Opportunity Fund
 (SAOF)*
 Horizon League
 \$30,809

**Announcing Arrival
 of
 Revised
 Research Travel
 Guidelines**



Guidelines for submission of proposals for the Research Travel Grant Program, a component of the Research Incentive Program, have been revised and will be in effect for applications submitted for the 07-08 fiscal year.

Beginning July 1, 2007, faculty applicants will be required to more fully justify their travel requests as they relate to research initiation and proposal development. The policy for doctoral-level student requests remains unchanged.

Fully affiliated faculty may still request up to 50% of their total travel costs or the lowest available round-trip airfare, with a maximum limit of \$1,000. *Priority will be given to faculty who seek support to visit sponsors to discuss pending proposals and future funding opportunities.* This may also include requests to attend sponsor-directed proposal writing workshops or training sessions.

Support for travel to professional conferences will not be supported unless the trip directly benefits the proposal development process. Such activities may include the dissemination of technical information to sponsors and/or meetings with future collaborators that will lead to research initiation.

In keeping with this focus on the research initiation aspect of the Research Travel Grant Program, *recipients of travel funds will be required to prepare and submit a proposal for external funding through RSP within one year from the date of the travel.* Further eligibility for Research Travel funding will be withheld until this re-



continued on back page

RESEARCH NEWS

Office of Research and
Sponsored Programs
Wright State University
201J University Hall
Dayton, Ohio 45435
Voice: 937 775-2425
FAX: 937 775-3781
email: rsp@wright.edu
<http://www.wright.edu/rsp/>

quirement is satisfied. The external proposal may be for any amount as long as it is a direct product of the discussions and/or knowledge gained from the trip supported by the Research Travel Grant Program. Depending upon the traveler's destination and/or discipline, a visit could be made to one of a wide variety of sponsors as long as the trip results in an external proposal to the sponsor visited or a proposal based on the knowledge or training received.

The goal is to "grow" external funding at WSU and this includes a very broad range of "research" interests and sponsors.

We encourage faculty to seek travel opportunities that most effectively use WSU's resources to gain insight from sponsors regarding proposal writing and development and to spread the word about the potential of collaboration. Look for the new Research Travel Grant guidelines at the RSP website: <http://www.wright.edu/rsp/internal.html> on July 1, 2007. In the meantime, please direct questions to Ellen Reinsch Friese in RSP at ext. 2423 or by e-mail at ellen.friese@wright.edu.



Office of the Vice President for Research

Vice President for Research

Jack A. Bantle, Ph.D jack.bantle@wright.edu

Administrative Support Coordinator

Research and Graduate Programs

Diane Hamilton diane.hamilton@wright.edu

RSP Staff

Assistant Vice President for Research

William K. Sellers, Ph.D william.sellers@wright.edu

Director, Pre Award

Ellen Reinsch Friese ellen.friese@wright.edu

Director, Post Award

Glen Jones glen.jones@wright.edu

Associate Directors

Jackie A. Frederick jackie.frederick@wright.edu

Yun Wu yun.wu@wright.edu

Assistant Directors

Marianne Shreck marianne.shreck@wright.edu

Naomi Halverson naomi.halverson@wright.edu

Grants Accountants

Danielle Booth danielle.booth@wright.edu

Gene Florkey gene.florkey@wright.edu

F. John Wedig john.wedig@wright.edu

Elaine Davis elaine.davis@wright.edu

Administrative Coordinator (IRB)

Robyn Wilks, CIM robyn.wilks@wright.edu

Programs Facilitators

Cheryl Nickoson cheryl.nickoson@wright.edu

Christine Piekkola christine.piekkola@wright.edu

Jan Power rsp@wright.edu

Records Technician

Aja Ash aja.ash@wright.edu

Undergraduate Assistants

Kelly McGhee

Lindsey Irwin

Rachael Brown

Prateek Anand

Kia Draper