

RESEARCH NEWS

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

Spring 2005 Vol 36 No 3

201J University Hall Telephone 775-2425

Internal Funding Awards Announced

Research Incentive Awards

RSP is pleased to announce the award recipients for the FY 2005 Research Incentive Program. The Research Initiation competition attracted 17 proposals of which seven were selected for funding for a total of \$61,510. There were 12 proposals in response to the Professional Development competition with seven awarded for a total of \$20,600.

Research Initiation

Kevin Brown	Raj Sooin College of Business	<i>Auditor Independence and the Market for Audit Services at the Local Office Level</i>	3,800
Frank Ciarallo	College of Engineering and Computer Science	<i>Low Cost, Adaptive Signal Control of a Traffic Intersection Based on Derivative Estimates</i>	10,000
Ping He, David Reynolds	College of Engineering and Computer Science	<i>A Biomechanical Study of the Modified Ertl BKA using Finite Element Model</i>	9,760
Dragana Ivkovich Claflin	College of Science and Mathematics	<i>Evaluating Fear-Potentiated Startle During Eyeblink Conditioning: A Comparison of Affective and Motor Learning Processes</i>	8,000
Stephanie Smith	College of Science and Mathematics	<i>Application of Molecular Tools to the Investigation of Primary Productivity in Freshwater Lake Ecosystems</i>	10,000
Xinhui Zhang, Chien-In Henry Chen	College of Engineering and Computer Science	<i>Mathematical Model and Solution Approaches to the Systematic Design of Linear Feedback Shift Registers with Embedded Test Patterns for BIST</i>	10,000
Joyce Zurmehly, Mary Hysell Lynd	College of Nursing and Health	<i>Navigating the Healthcare Highway: Continuity, Consistency, Accessibility Utilizing PDAs</i>	9,950

Professional Development

Ava Chamberlain	College of Liberal Arts	<i>Gendered Moments in the Life of Jonathan Edwards</i>	3,000
Joe Deer	College of Liberal Arts	<i>"Acting in Musical Theatre" Master Teacher Study</i>	3,000
Chigon Kim	College of Liberal Arts	<i>Urban Spatial Structure and Labor Market Outcomes</i>	3,000
Marietta Langlois	College of Education and Human Services	<i>Create a Classroom that Moves! Training Manual</i>	3,000
Theresa Myadze	College of Liberal Arts	<i>Women of Appalachia: Social Welfare Issues and Trends</i>	3,000
John Sherman	College of Liberal Arts	<i>Research in Venezuela</i>	2,600
Vincent Yen	Raj Sooin College of Business	<i>Business Process and Workflow Modeling Technologies</i>	3,000

Application Packets Available for Research Technology Commercialization Competition

The Research Technology Commercialization Program is intended to expand the benefits of Wright State University research accomplishments through commercial application and technology development. *The deadline for submit-*

ting applications for the current competition is September 30, 2005. The application packet is available on line at http://www.wright.edu/rsp/InternalProgs/RC_TC_Guide.rtf.

What's Inside

<i>Notes from the Director</i>	<i>Pg. 2</i>
<i>Major Collaboration Awards</i>	<i>Pg. 2</i>
<i>Sponsor ALERTS</i>	<i>Pg. 2</i>
<i>Technology Forum</i>	<i>Pg. 3</i>
<i>External Awards</i>	<i>Pg. 5</i>

Notes from the Director

By the time you read this, the Board of Trustees will have approved a resolution adopting new "Rules Governing Participation in Companies Commercializing University Discoveries, Inventions, and Patents by University Entrepreneurs." That's a rather long title, as befits a somewhat complicated topic. Our nickname for it is the "safe harbor rules." I'd like to explain what the rules mean.

At the state level, there is fairly broad consensus that public universities, in addition to fulfilling their traditional roles as centers of learning and research, can contribute significantly to economic prosperity. The means to this end is expansion of the benefits of university research accomplishments through commercial application and technology development: basic research can, sometimes at least, lead to applied research. If successful, applied research can lead to development of new products. When new products are sold successfully, businesses thrive and create new jobs.

If you were reading carefully, you would have noticed that there is a small gap between developing new products and selling them commercially. Prod-

ucts, especially if they only exist as prototypes, do not sell themselves. Nor are non-profit universities in the manufacturing business or the sales business. Thus, typically there needs to be a for-profit entity that will take on the task of bringing a new product to market and bearing the risk of failure.

Formally speaking, a for-profit entity performs this function under a license, which is simply a way for the university to give permission to the licensee to use the technology underlying the new product. Licensees come in two flavors: already existing and new. The new ones are referred to as start-ups. Often new technology is difficult to license to already existing companies—literally the "not invented here" syndrome. That leaves start-ups. And who would be the driving force behind starting up a risky new venture based on what is often embryonic technology?

Well, if it is going to happen at all, it is probably going to be because the original inventors are motivated to make it happen. So they start their own companies with the specific intent of licensing the (university-owned) technology. Not only can they make extra money doing this if the company succeeds, but the companies can be a source of further support for future university research, and, possibly, a source of employment for students.

Needless to say, all this is fraught with potential conflicts of interest. There was even the thought that faculty and staff could run afoul of state ethics laws bar-

ring public employees from personally benefiting from their employment. Having the "safe harbor rules" in place now means that university inventors who elect to start their own companies will not run afoul of state ethics laws and will avoid unmanageable conflicts of interest—so long as they follow the rules.

We will be posting the rules on the RSP website very soon so you can read them yourself!

Bill

Sponsor ALERTS

NIH Issues Policy on Public Access to Archived Publications

The National Institutes of Health have issued a Public Access Policy that was published in the NIH Guide to Grants and Contracts on February 3, 2005 (<http://grants1.nih.gov/grants/guide/notice-files/NOT-OD-05-022.html>). The policy applies to all research grant and career development award mechanisms, cooperative agreements, contracts, and Institutional and Individual Ruth L. Kirchstein National Research Service Awards, as well as NIH intramural research studies.

The policy requests that beginning May 2, 2005, NIH-funded investigators submit to the NIH National Library of
continued on page 12

Major Collaboration and Infrastructure Grant Program Awards

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 six proposals submitted of which three were selected for funding for a total of \$185,211. Our congratulations to the recipients.

John Flach, Christopher Barton, Timothy Cope, John Gallagher	Science and Mathematics, Science and Mathematics, School of Medicine, Engineering and Computer Science	<i>Learning Perceptual-Motor Skills: A Dynamic Systems Approach</i>	\$75,000
Stephanie Smith, David Cool, Mill Miller	Science and Mathematics, School of Medicine, Science and Mathematics	<i>FPLC and Avanti</i>	\$42,000
Timothy Cope, Francisco Alvarez, Kathrin Engisch, Robert Fyffe, Mark Rich	School of Medicine, School of Medicine, School of Medicine, School of Medicine, School of Medicine	<i>Synaptic Adaptations to Nerve Injury</i>	\$68,211

WSU Technology Forum and Showcase

On April 7, 2005, the student union atrium was the sight of this year's Invention to Market Forum. Over 160 professionals from the Dayton area business and economic community and beyond converged to visit our inventors' exhibits and take advantage of the event to interact with our researchers.

This year, we had the privilege to host a prestigious licensing executive from DuPont Co., Dr. Robert Gruetzmacher, who shared with us a few of his secrets on how to establish valuable and sus-

tained university-industry partnerships. Dr. Gruetzmacher has pioneered innovative programs at DuPont Co., well before such partnerships became common, and with a stunning track record of successes. He has established a working relationship with MIT and the University of Chicago along with a host of smaller universities. Dr. Gruetzmacher will co-chair the University-Industry-Government sector committee of the Licensing Executives Society with Dr. Gorrillot starting Fall 2005. Dr. Gruetzmacher and Dr. Gorrillot will thus have the opportunity to craft a program of seminars, plenary sessions, educational workshops and reflection groups to convey an innovative vision of university-industry partnerships. We would like to thank Dr. Gruetzmacher for his time and contribution to the success of the invention forum.

Mr. Patrick Valente, Deputy Director of the Ohio Department of Development, also honored us with his presence at the invention forum. It is always important for researchers to learn more and keep abreast of the latest programs made available by the State of Ohio to fund research programs aimed to support entrepreneurship and economic development.

Another highlight of this event was the recognition ceremony for our inventors, which nicely marked the opening of the exhibition floor to the public. Each inventor was formally presented to the attendees and thanked for the time and effort put in preparing this event while very often being faced by competing grant deadlines, teaching assignments, and other responsibilities. I would like to, once again, thank them and wish them a fruitful year of gratifying research and inventorship.

Isabelle Gorrillot, D.Sc.

Technology Showcase Exhibitors

AFRL Collaborations

Cognitive Radio-An Adaptive Waveform with Spectral Sharing Capability

**V. Chakravarthy (WSU-AFRL),
Dr. Arnab Shaw (WSU)
J. Stephens (AFRL)
M. Temple (AFIT)**

Novel Thermally Stable Materials for Structural, Electronic, and Coating Applications

**Dr. T. Dang, (AFRL),
M. Dalton (WSU-SOCHE/AFRL)
Dr. N. Venkatasubramanian (UDRI),
Dr. J. Johnson (AFRL)
Dr. William Feld (WSU)**

Physical Sciences

Frequency-Dependent Circuit RFID with 3-D Positioning

Dr. Brian D. Rigling

Novel Extrusion of Continuous Nanofibers in an Ultra-Viscous Medium

Dr. Daniel Young

Surface Nano-Coatings for Complex Solids

Dr. Sharmila Mukhopadhyay

Millimeter-Wave Spectroscopy of Gas Samples for Environment Sensing

Dr. Douglas Petkie

Imaging

Real-time Video Analysis

**Dr. Forouzan Golshani
Dr. Arthur A. Goshtasbi
Dr. Lyubomir Zagorchev**

Environmental Sciences

Diagnosis of Water Quality Problems

Dr. Allen Burton

Water-Based Disease Intervention: Commercial Applications of Harmful Algae Research

Dr. Wayne Carmichael

Solving Environmental Problems Using State-of-the-Art Instrumental Methods

**Dr. Roger Gilpin
Dr. Joseph Solch**

Health Sciences

Cardiovascular Diseases—Rapid and Sensitive Assays for Angiotensin Converting Enzyme (ACE) and Renin Using Surface-Enhanced Laser Desorption/Ionization Time of Flight Mass Spectrometry

**Dr. Khalid Elased
Dr. Mariana Morris**

Human Immunodeficiency Viral Infection—Treatment Monitoring Assay

Dr. Dawn Wooley

Forensic Bioinformatics, Inc.

Dr. Daniel Krane

Human Effectiveness

NARAD: Contextual Information Retrieval System

**Dr. Sundaram Narayanan
Dr. Raj Gopal Kantamneni**

Innovative Traffic Light Synchronization System

Dr. Frank Ciarallo

WSU Services and Industry-Oriented Programs

Center for Healthy Communities: Applying Health Information Technology to the Public Health Sector Through HIEx

Dr. Katherine Cauley

Dayton Area Graduate Studies Institute (DAGSI)

Dr. Elizabeth Downie

Information Technology Research Institute (ITRI)

Dr. Nikolaos Bourbakis

Raj Soin College of Business

Dr. Berkwood Farmer

Wright Center of Innovation for Advanced Data Management & Analysis

**Mr. Charles Walsh
Mr. Ken Berta
Ms. Cynthia Hufnagle**



President Goldenberg offered his welcoming remarks before Mr. Patrick Valente, Deputy Director of the Technology Division at ODOD, presented an update of the Third Frontier programs. Left to right - Mr. Valente, Dr. Isabelle Gorrillot, Dr. Kim Goldenberg



Dr. Robert Gruetzmacher, the keynote presenter of this year's invention forum, gave us an overview of some of the ingredients that made his formula so successful and widely praised across industry and academia.

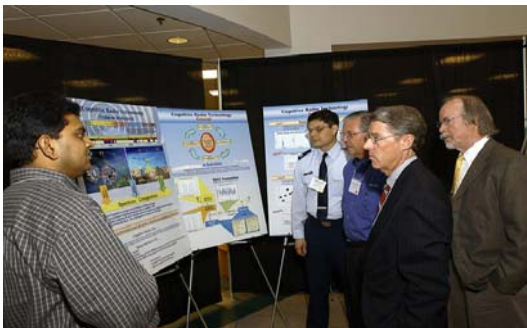


Dr. Greg Hillebrand from Procter & Gamble is discussing with Dr. Dawn Wooley her breakthrough HIV monitoring assay, which could be used in the emerging field of personalized medicine.

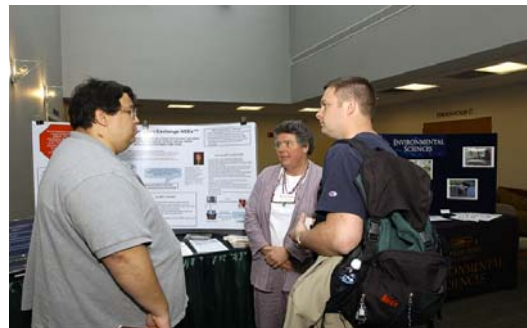


Dr. William Feld, a new exhibitor at the forum, is presenting a joint AFRL/WSU/UD invention that could revolutionize a vast number of materials that need high thermal stability such as those used in textiles, space equipment, or electronics.

Thank You,
Sponsors!



WSU Ph.D. student and AFRL employee, Vasu Chakravarthy, presents a joint invention between the AFRL and WSU: "Cognitive Radio-An Adaptive Waveform with Spectral Sharing Capability," to an attentive audience.



Ms. Mary Crimmins is discussing the activities of the Center for Healthy Communities, and more specifically their breakthrough database HiEx, which compiles protected health information in order to improve outpatient care in the public sector.



Dr. Wayne Carmichael, Director of the Environmental Sciences Ph.D. program and future entrepreneur, is discussing the value of Wright State University's Environmental Sciences Ph.D. Program for the local economy.



The Invention Forum closed with a presentation of local entrepreneurial resources by Mrs. Christian Howard, Vice President of Entrepreneurship at the Dayton Development Coalition.

AWARDS

The grants and contracts on these pages were awarded from January 2005 through April 2005

College of Education and Human Services

Barnhart, Michael L.

Praxis III Regional Assessment Center

Ohio Department of Education

\$339,950

Jung, Notburga

Finegan, Colleen A.

The Wright Charter College of Education

Ohio Department of Education

\$375,000

Jung, Notburga

Dunne, James D.

Professional Development Activities for Intervention Specialists: Core Academic Content Areas

Ohio Department of Education

\$40,000

O'Connor, C. Richele

Literacy Education Partnership Field Faculty Network

John Carroll University

\$89,261

College of Engineering and Computer Science

Amer, Maher S.

Molecular Modeling of Polymeric Nanocomposite Materials

Universal Energy Systems, Inc. (UES, Inc.)

\$124,643

Bourbakis, Nikolaos G.

Brandeberry, James E.

Priorities in Graduate Education

Ohio Board of Regents

\$59,629

Gallagher, John C.

CAREER: Evolvable Hardware Neuromorphic Computational Devices for Sensing and Control

NSF, Faculty Early Career Development (CAREER)

\$86,349

Gallimore, Jennie J.

Development of Specifications for an Interactive Aircraft Accident Data Collection and Analysis System

U.S. Department of Transportation, Federal Aviation Administration

\$3,391

Garber, Fred D.

Receiver and Processing Concepts Evaluation (RAPCEval)

DoD, Air Force, Air Force Research Laboratory

\$227,250

Golshani, Forouzan

Priorities in Graduate Education (Computer Science)

Ohio Board of Regents

\$83,365

Goshtasby, A. Ardeshir

Probe Assisted, PET/CT Guided Surgery For Colon Cancer

Ohio State University

\$53,872

Grandhi, Ramana V.

Energy Based Design of Adaptive Structures

Anteon Corporation

\$114,545

Grandhi, Ramana V.

Penmetsa, Ravi C.

Multidisciplinary Design Optimization for High Reliability and Robustness - DAGSI Cost Share

Dayton Area Graduate Studies Institute (DAGSI)

\$35,000

Grandhi, Ramana V.

Finite Element Modeling of Human Body and Pilot Seat Interactions

General Dynamics

\$25,797

Hangartner, Thomas N.

Postmenopausal Evaluation and Risk Reduction

Pfizer, Inc.

\$13,985

Hangartner, Thomas N.

Evaluation of a Novel Treatment in Patients with Osteogenesis Imperfecta

Procter & Gamble Company

\$5,052

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.

Hill, Raymond
Narayanan, Sundaram
Coordination and Control of Cooperative Swarms of Unmanned Aerial Combat Vehicles via a Virtual Testbed Environment
DoD, Air Force Office of Scientific Research (AFOSR)
\$141,505

Hill, Raymond
Developing an Agent-Based Modeling Approach for Improved Decision Support and Adaptive Planning in Support of Operational Air Forces
CACI Technologies, Inc.
\$75,000

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

Mawasha, P. Ruby
Rowley, Blair A.
Wolff, J. Mitch
Temperature/Telemetry Satellite Project
Ohio Space Grant Consortium
\$5,750

Menart, James A.
Supersonic Flow Control by Energy Deposition with Lasers and Microwaves
Universal Technology Corporation
\$117,842

Menart, James A.
Computer Modeling of the Discharge Chamber of an Ion Engine
National Aeronautics and Space Administration
\$54,637

Menart, James A.
Shang, Joseph J.S.
Plasma Modeling Program
Universal Technology Corporation
\$47,374

Narayanan, Sundaram
LexisNexis Internship Agreement
LexisNexis
\$8,700

Phillips, Chandler A.
Reynolds, David B.
Biomedical, Industrial, and Human Factors Engineering Design Projects for Persons with Disabilities
NSF, Grants for Scientific Research
\$25,000

Shang, Joseph J.S.
Magneto-Aerodynamic Actuator Simulation
DoD, Air Force Office of Scientific Research (AFOSR)
\$127,174

Slater, Joseph C.
Turbine Engine Modeling
P.C. Krause and Associates
\$8,500

Walsh, Charles
Wright Center of Innovation for Advance Data Management and Analysis Technology (WCI ADMA) Commercialization Initiative
Montgomery County Commissioners
\$135,000

Walsh, Charles
Performance Checks ... Sustaining the Focus
Lighthouse Technologies
\$17,400

Walsh, Charles
Wright Centers of Innovation - Corporate Matching Account/Lighthouse Technologies
Lighthouse Technologies
\$2,000

Wolff, J. Mitch
Slater, Joseph C.
Power Extraction from a Gas Turbine Engine in Flight
P.C. Krause and Associates
\$65,717

Wolff, J. Mitch
Menart, James A.
Computational Aerothermodynamics
DoD, Air Force, Air Force Research Laboratory
\$31,000

Young, Henry Daniel
Generation, Stabilization and Control of Fluidic Nanostructures
Petroleum Research Fund - American Chemical Society
\$35,000

College of Liberal Arts

Arose, Lisa H.
Strategic Planning for Health Care Assessment
Greene County Combined Health District
\$9,317

Arose, Lisa H.
Citizen Survey for Greene County Children's Services
Greene County Children Services Board
\$7,744

Arose, Lisa H.
Fayette County Community Health Plan
Fayette County, Ohio
\$3,500

Arose, Lisa H.
Integrated Youth Services Strategic Plan
Integrated Youth Services
\$1,939

Arose, Lisa H.
Strategic Planning Board Retreat
Association of Ohio Health
Commissioners
\$800

Bullock, Richard H.
Institute on Writing and Teaching 2005
Ohio Board of Regents
\$40,000

Dockery, Jane L.
Yellow Springs Community Forum #2
Yellow Springs Men's Group
\$5,540

Dustin, Jack L.
*Urban Projects - Urban Universities
Linkage*
Ohio Board of Regents
\$44,583

Jones, Thomas Davidson
AIDS Awareness Survey
ARC Ohio
\$9,494

Jones, Thomas Davidson
*Miami Valley Regional Planning
Commission Assessment Survey*
Miami Valley Regional Planning
Commission (MVRPC)
\$5,543

Jones, Thomas Davidson
Butler County Health Assessment
Middletown City Health District
\$5,000

Jones, Thomas Davidson
Warren County Health Assessment
Warren County Health District
\$5,000

Jones, Thomas Davidson
Dayton Public Radio Survey
Dayton Public Radio
\$300

Shepelak, Norma J.
Kim, Chigon
*An Instructional Approach to Enhance
Quantitative Reasoning*
Non-Profit Organizations, Miscellaneous
\$2,500

College of Nursing and Health

Martin, Patricia A.
*Miami Valley Hospital Operating
Agreement*
Miami Valley Hospital
\$45,000

Scordo, Kristine A.
*Acute Care Nurse Practitioner Cardiac
Specialty Program*
DHHS, Health Resources and Services
Administration
\$231,631

College of Science and Mathematics

Agrawal, Abinash
*Laboratory Investigations to Analyze
Palladium (Pd) Catalyzed Reduction for
Groundwater Treatment*
Air Force Institute of Technology (AFIT)
\$0

Amon, James P.
*Farm Wetlands as a Means to Lower
Phosphorus and Nitrogen Discharges to
Streams: The Potential to Develop N
and P Banking Credits*
University of Dayton
\$21,854

Artian, Larry G.
Airborne Allergin Studies
Procter & Gamble Company
\$1,200

Basista, Beth A.
*Mathematics and Physical Science
Professional Development Project for
Grades 7-11 Teachers*
Ohio Board of Regents - Title II
\$154,238

Bennett, Kevin B.
*Representing Plan Execution in a
Dynamic Battlefield Environment*
Micro Analysis and Design, Inc.
\$17,305

Burton, G. Allen
*Defining and Predicting PCB Fluxes and
their Ecological Effects in Stream and
River Systems for Risk Characterizations*
U.S. Environmental Protection Agency
\$325,000

Burton, G. Allen
*Stormwater Assessment Options on the
Great Miami River for 2005 - City of
Dayton*
City of Dayton, Miscellaneous
\$56,382

Burton, G. Allen
*Toxicity Evaluation of Ground
Water/Surface Water Interactions*
U.S. Environmental Protection Agency
\$0

Carmichael, Wayne W.
*Characterization of Cyanobacteria
Secondary Metabolites*
More Than One Source of Support
\$19,142

Carmichael, Wayne W.
*Characterization of Cyanobacteria
Secondary Metabolites - Federal*
More Than One Source of Support
\$2,650

Flach, John M.
*Cognitive Systems Engineering: Toward
an Integrated Constraint Evaluation
System for Ecological Work Design*
General Dynamics
\$24,567

Flach, John M. <i>Culture and Cognition Laboratory (CCL)</i> DoD, Air Force, Air Force Research Laboratory \$0	Look, David C. <i>ZnO UV/Blue Emitters</i> SVT Associates Inc. \$15,000	Slattery, William Lunsford, Suzanne K. Ciampaglio, Charles N. <i>Partners in Integrated Earth Systems Science (PIES)</i> Ohio Board of Regents - Title II \$52,721
Fossum, Eric <i>Custom Synthesis of Intermediates for AFX Chromophores Phase II</i> AT&T Government Solutions, Inc. \$10,000	Look, David C. <i>Materials for High Speed Devices</i> DoD, Air Force, Air Force Research Laboratory \$15,000	Stilaty, Daniel C. <i>Signed Graphs and Dyadic Matroids</i> DoD, National Security Agency \$13,000
Fox, Jane Lee <i>Participation in the TIMED Spacecraft IDS Team of Janet U. Kozyra (University of Michigan)</i> University of Michigan \$11,200	Miller, Corey E. <i>HR Chally Center for the Study of Salespersonship: Statistical Support Fall 2004 - Spring 2005</i> HR Chally \$9,526	Tarpey, Thaddeus <i>Identifying Placebo Responders in Drug Treated Subjects</i> DHHS, National Institute of Mental Health (NIMH) \$200,478
Gilpin, Roger K. <i>Measurements of Contaminants in Biological Tissue</i> State of Texas \$25,605	Miller, Mill W. <i>Analysis of Interactions Between Rev and Microtubules</i> DHHS, National Institute of General Medical Sciences (NIGMS) \$193,500	Vadeboncoeur, Yvonne <i>Collaborative Research: Putting the Lake Back Together: Integrating Littoral Productivity Into Lake Food Webs</i> NSF, Grants for Scientific Research \$189,998
Gilpin, Roger K. <i>State of Ohio Sludge Program</i> More Than One Source of Support \$14,950	Paul, Cassandra C. Baumann, Michael A. <i>License Agreement for AML14 and AML14.3D10 Cell Lines</i> More Than One Source of Support \$3,000	Watts, Doyle R. <i>Strategic Alliance for the Development of Advanced Remote Sensing Technologies for Effective Water Resources Management in the Western United States.</i> Central State University \$75,750
Gilpin, Roger K. <i>Chemical Analysis of Biological Material</i> State of New York \$9,900	Petkie, Douglas T. <i>REU/ASSURE Site in Physics at WSU and WPAFB</i> NSF, Research Experiences for Undergraduates \$83,113	Watts, Doyle R. <i>Publication of Remote Sensing Education Workshop Results and Applications to the Ohio Environment</i> Ohio Aerospace Institute \$11,920
Katovic, Vladimir <i>Use of Room-Temperature Ionic Liquids as Electrolytes in Fuel Cells</i> Universal Energy Systems, Inc. (UES, Inc.) \$20,000	Pohlman, Roberta L. <i>Center for Health Promotion: Cardiac Rehabilitation</i> Miami Valley Hospital \$25,933	
Look, David C. <i>P-type ZnO</i> Structured Materials Industries, Inc. \$20,000	Ritzi, Jr., Robert W. <i>Ground Water Protection Program 2005</i> Cemex \$10,000	

Wheatly, Michele G.
Gao, Yongping
RUI: The Paradox of Cellular Calcium Homeostasis During Vectorial Transfer: Spatial and Temporal Regulation of Ca Import/Export Proteins Using the Freshwater Crayfish Molting Model
NSF, Grants for Scientific Research
\$145,980

Wheatly, Michele G.
Bargerhuff, Mary Ellen
Lunsford, Suzanne K.
Turner, Heidi
RDE-DEI: Research in Disability Education-Demonstration, Enrichment and Information Dissemination
NSF, Miscellaneous
\$100,000

Lake Campus

Schumm, Gregory F.
Targeted Training Grant - Goodyear Tire and Rubber Company
Lorain County Community College
\$10,000

Schumm, Gregory F.
Targeted Training Grant - Mercer County Community Hospital
Lorain County Community College
\$10,000

Schumm, Gregory F.
Targeted Training Grant - Relizon Corporation
Lorain County Community College
\$4,000

Library

Dewey, Dawne
Preservation Assessment Survey Special Collections and Archives
NFAH, National Endowment for the Humanities
\$5,000

Miscellaneous

Kennedy, Sandra D.
Interactive Training and Development Program
Veterans Affairs Medical Center
\$1,600

Schisler, Cindy
The Changing Face of Today's Workforce
Veterans Affairs Medical Center
\$1,600

Schisler, Cindy
Developing Effective Supervisory Skills
Greater Dayton Regional Transit Authority
\$1,400

Schisler, Cindy
The Changing Face of Today's Workforce
Veterans Affairs Medical Center
\$800

Schisler, Cindy
Harassment Information Sessions
Supervalu
\$750

Schisler, Cindy
Ohio Labor Management Cooperation
More Than One Source of Support
\$400

Raj Soin College of Business

Bodey, Michael W.
Small Business Development Center
Ohio Department of Development
\$75,000

Premus, Robert
Blair, John
Wright Air and Space Center: Business Plan Evaluation/Task One
Wright Air and Space Center
\$15,000

Snow, Monica M.
TARGET Program
Ohio State University
\$1,500

School of Graduate Studies

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

Thomas, Jr., Joseph F.
Ohio's Research Challenge - "03-05" Biennium
Ohio Board of Regents
\$190,787

School of Medicine

Adineh, Mehdi
Personnel Support for the Wallace-Kettering Neuroscience Institute - Kirbas
Kettering Medical Center
\$15,758

Alter, Gerald M.
Graduate Research Assistant Stipend - Sowner
University of Cincinnati
\$13,626

Alvarez, Francisco J.
Development of Synaptic Inputs on Spinal Interneurons
DHHS, National Institute of Neurological Disorders and Stroke (NINDS)
\$323,659

Alvarez, Francisco J.
Benzodiazepine-Induced Glutamate Receptor Plasticity
Medical College of Ohio
\$20,000

Bernstein, Jack M. <i>Treatment of Gram-Positive Bacterial Infections</i> Cubist Pharmaceuticals, Inc. \$3,000	Cope, Timothy C. <i>Mechanisms of Muscle Sensory Recovery</i> Emory University \$112,500	Falck, Russel S. <i>MCHD CSAT HIV Prevention Project</i> Montgomery County Combined Health District \$5,040
Bernstein, Jack M. <i>Effectiveness of a Novel Treatment for Serious and Life-Threatening Infections</i> Cubist Pharmaceuticals, Inc. \$440	Cope, Timothy C. <i>Spinal Mechanisms Regulating Muscle and Limb Mechanics</i> Emory University \$11,308	Fyffe, Robert E.W. <i>Mechanisms of Mammalian Neuronal Integration</i> DHHS, National Institute of Neurological Disorders and Stroke (NINDS) \$365,513
Bonnet, Michael H. <i>Obstructive Sleep Apnea/Hypopnea Syndrome</i> Cephalon, Inc. \$28,440	Czerwinski, Stefan Aleksander <i>The Drew Diabetes Education Program</i> Montgomery County Combined Health District \$37,000	Gentile, Julie P. <i>CCOE: Dual Diagnosis M/MRDD</i> Ohio Department of Mental Health \$75,000
Bonnet, Michael H. <i>Sleep Disorders or Chronic Shift Work Extension Studies</i> Cephalon, Inc. \$4,638	Dean, Jay B. Higgins, Steven R. Putnam, Robert W. <i>Hyperbaric Atomic Force Microscopy (AFM) Studies of Oxygen Toxicity</i> DoD, Other \$378,000	Gillig, Paulette M. <i>ODMH Rural Public Sector Psychiatry</i> Ohio Department of Mental Health \$20,024
Brown, Thomas L. <i>Hypoxia Regulates Trophoblast Giant Cell Differentiation</i> DHHS, National Institute of Child Health and Human Development (NICHD) \$71,750	Dean, Jay B. Putnam, Robert W. Henderson, Richard A. <i>Cellular Mechanisms of Central Nervous System and Pulmonary Oxygen Toxicity</i> DoD, Office of Naval Research \$247,529	Gomez-Cambronero, Julian <i>Molecular Basis of GM-CSF-Induced Neutrophil Chemotaxis</i> DHHS, National Heart, Lung, and Blood Institute (NHLBI) \$354,400
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 \$300,000	Hamilton, Glenn C. Kent, Michael N. <i>Personnel Support for the Wallace-Kettering Neuroscience Institute</i> Kettering Medical Center \$17,767
Cauley, Katherine L. <i>Sinclair Community College Matching Funds: CY2005</i> Sinclair Community College \$35,000	Falck, Russel S. Carlson, Robert G. Wang, Jichuan G. <i>Crack and Health Service Use: A Natural History Approach</i> DHHS, National Institute on Drug Abuse (NIDA) \$610,368	Hartzler, Lynn K. Putnam, Robert W. <i>Effects of Chronic Hypercapnia on Chemosensitive Neurons</i> DHHS, National Heart, Lung, and Blood Institute (NHLBI) \$42,068
Cauley, Katherine L. <i>Women's Health Month - 2005</i> Ohio Department of Health \$9,450		

Hurd, William W. Lauf, Peter K. <i>Role of Prostaglandins in Human Myometrial Mechanotransduction</i> United Cerebral Palsy Research & Educational Foundation \$100,000	Morgan, Sherri Lynn <i>Dayton Minority Health Month Kickoff</i> Ohio Commission on Minority Health \$4,950	Schuster, Richard J. <i>NHLBI Cardiovascular Disease Enhanced Dissemination and Utilization Centers</i> DHHS, National Heart, Lung, and Blood Institute (NHLBI) \$14,172
Lauf, Peter K. Adragna-Lauf, Norma C. <i>Support for Studies in Andermann's Syndrome</i> Non-Profit Organizations, Miscellaneous \$10,000	Morris, Mariana <i>Analyses of Oxytocin in Saliva Samples - UIC</i> University of Illinois \$4,000	Sherwood, Richard J. Duren, Dana L. Siervogel, Roger M. Towne, Bradford <i>Genetic Architecture of the Human Craniofacial Complex</i> DHHS, National Institute of Dental and Craniofacial Research (NIDCR) \$344,157
Leffak, I. Michael <i>Analysis of the Human c-myc Gene Replication Origin</i> DHHS, National Institute of General Medical Sciences (NIGMS) \$295,782	Olson, James E. Starke, Lori A. <i>Harvard Emergency Medicine Safety Study</i> Massachusetts General Hospital \$5,000	Sun, Shumei S. Chumlea, W. Cameron Siervogel, Roger M. Pickoff, Arthur S. <i>Longitudinal Cardiac Outcomes and Body Composition</i> DHHS, National Heart, Lung, and Blood Institute (NHLBI) \$631,816
Little, Alex G. <i>Department of Surgery Plastic's Division Support</i> Fred & Jean Allegretti Foundation, Inc. (The) \$25,000	Patrick, Steve M. <i>XPF-ERCC1: A Therapeutic Target for Enhanced Clinical Responses to Cisplatin</i> Alcon Laboratories, Inc. \$84,810	Towne, Bradford <i>Genetic and Environmental Influences on Childhood Growth</i> DHHS, National Institute of Child Health and Human Development (NICHD) \$344,372
McDougal, James N. <i>Molecular Mechanisms and Modeling of Skin Irritation from JP-8</i> DoD, Air Force Office of Scientific Research (AFOSR) \$180,000	Organisciak, Daniel T. <i>Photoreceptor Cell Survival: Efficacy of Drug Treatments</i> Alcon Laboratories, Inc. \$84,810	School of Professional Psychology
McDougal, James N. <i>BreakFree CLP</i> DoD, Air Force Office of Scientific Research (AFOSR) \$14,000	Patrick, Steve M. <i>XPF-ERCC1: A Therapeutic Target for Enhanced Clinical Responses to Cisplatin</i> American Cancer Society - Ohio Division \$30,000	Malloy, Kathleen A. <i>Domestic Violence Program</i> Montgomery County Sheriff's Office \$10,800
Moore, Dennis C. <i>SARDI Tobacco Prevention in Treatment</i> Miami Valley Health Improvement Council Tobacco Coalition \$20,000	Schuster, Barbara L. <i>Personnel Support for the PET Center, Kettering Medical Center - Rehani</i> Kettering Medical Center \$105,681	Warfield, Janece <i>Child Care Subsidy and Promoting Positive Relationships Program</i> U.S. Department of Education \$5,996

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/>

AWARDS *Continued*

Winfrey, LaPearl
Practicum Training
Summit Academy
\$3,200

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

Student Affairs

Darr, David R.
Scholarships for Disadvantaged Students
DHHS, Health Resources and Services
Administration
\$30,000

Universitywide

Gorrillot, Isabelle M.
From Invention to Market 2005
Ohio Department of Development
\$1,000

Sponsor ALERTS

continued from page 2

Medicine's PubMed Central (PMC) an electronic version of the author's final manuscript, upon acceptance for publication, resulting from research supported in whole or in part with direct costs from NIH. The author's final manuscript is defined as the final version accepted for journal publication and includes all modifications from the publishing peer review process. These manuscripts will be preserved permanently in the PMC archive for use by the public, health care providers, educators, scientists, and NIH.

Submission of the final peer-reviewed manuscript to PMC provides an alternate means of fulfilling the current NIH requirement to provide a copy of each publication in progress reports. With the investigator's approval, the final manuscript submitted to PMC will be available to the assigned NIH program official(s)

prior to the time the investigator specifies for public accessibility.

The PMC will provide a secure Web site for log in, deposit, and management of manuscripts. Investigators can deposit manuscripts in a wide range of electronic word-processing formats, along with any other files containing figures, tables of supporting information. No further formatting of the manuscript, beyond that required by the journal, will be necessary. A PDF receipt will be generated to verify that all content has been received before it is converted to a standardized digital format in SML. After conversion to SML, the investigator will be able to preview the article as it will appear in PMC. The article will appear in PMC after the time delay specified by the investigator, based on the publisher's official date of publication.

Information for submitting authors can be found at <http://nihms.nih.gov>.

RSP Staff

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

Senior Associate Director
Eugene Hern, Ph.D eugene.hern@wright.edu

Associate Directors
Ellen Reinsch Friese ellen.friese@wright.edu
Glen Jones glen.jones@wright.edu

Associate Director for Technology Transfer
Isabelle Gorrillot isabelle.gorrillot@wright.edu

Assistant Directors
Jackie A. Frederick jackie.frederick@wright.edu
M. Wayne Guillory wayne.guillory@wright.edu

Senior Grants Management Specialist
Marianne Shreck marianne.shreck@wright.edu

Grants Accountant
Sheri Coyle sheri.coyle@wright.edu

Programs Facilitators
Cheryl Nickoson cheryl.nickoson@wright.edu
Jan Power rsp@wright.edu
Christine Piekkola christine.piekkola@wright.edu
Robyn James robyn.james@wright.edu

Grants and Contract Specialist
Danielle Booth danielle.booth@wright.edu

Undergraduate Assistants
Jana Turner
Tiffany Seiter
Nicole Yannetti
Justin Weidle
Stacy Carmichael