

RESEARCH NEWS

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

Spring 2002 Vol 33 No 3

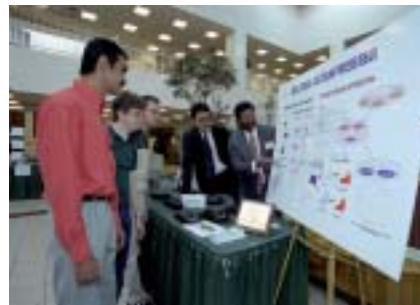
201J University Hall Telephone 775-2425

WSU Holds First Annual Technology Showcase

Research and Sponsored Programs would like to thank the researchers that made our first annual Technology Showcase such a success on April 11, 2002. The Showcase, co-sponsored by RSP and WSU's Information Technology Research Institute (ITRI), enabled researchers and inventors (see box for details) to display their technologies and discuss their research efforts with WSU colleagues, students, participants of the

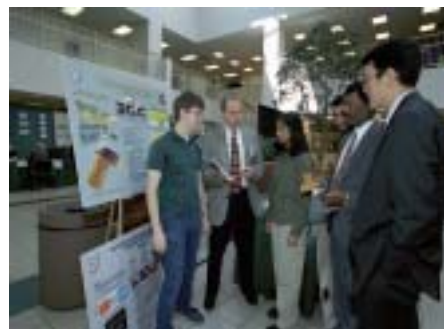


ITRI Spring Workshop (see article, page 12), and representatives from local businesses and governments. Visitors were free to stop at any of the displays to see actual demonstrations, to



share their related interests, or to ask questions about the technologies.

In addition to the WSU researchers, the Air Force Research Laboratory at Wright-Patterson Air Force Base sent representatives with an exhibit showcas-



ing the Air Force's legacy of innovation and technology development that included items of interest to both the military and civilian communities. Also, Ran Raider, the Patent and Trademark Specialist from the Dunbar Library, was on hand to demonstrate the Patent and Trademark Research Database available at WSU.

TECHNOLOGY SHOWCASE

TECHNOLOGIES/INVENTIONS

♦ **Bone Density Analysis**
Dr. Thomas Hangartner

♦ **Brain Research**
Dr. Robert Fyffe

♦ **DNA Analysis Software Demonstration**
Dr. Dan Krane

♦ **Environmental Testing Methodologies**
Dr. Allen Burton
Dr. Wayne Carmichael
Dr. Keith Grasman

♦ **Hyperbaric Microscope**
Dr. Jay Dean

♦ **Medical Image Processing**
♦ **Multimedia System Analysis Tool**
Dr. Francis Quek

♦ **MEMS Instrumentation**
Dr. Mitch Wolff

♦ **Metal Forming**
Dr. Ramana Grandhi

♦ **NARAD Browsing System**
Dr. Sundaram Narayanan

♦ **Paper Abrasivity Measuring**
♦ **Technology Processing of Aluminum Alloys**
Dr. Raghavan Srinivasan

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STAFF PROJECTS



REPORT:

The Current Status of the Health Insurance Portability and Accountability Act and University Research (HIPAA)

In 1996, Congress, recognizing the need for a national system to protect patient privacy standards and at the urging of medical service consumer groups, passed the Health Insurance Portability and Accountability Act [HIPAA]. This Act is also known as Public Law 104-191 and the Kennedy-Kassebaum Act. Included in HIPAA is a section concerning administrative simplification requiring 1) improved efficiency in healthcare delivery by standardizing electronic data interchange and 2) protection of confidentiality and security of health data through setting and enforcing standards. Specifically, HIPAA calls for

- ◆standardizing electronic patient health administration and financial data,
- ◆providing unique health identifiers for individuals, employers, and health care providers;
- ◆assuring security and electronics signature standards, and
- ◆mandating standards that protect the confidentiality and integrity of “individual identifiable health information,” past, present or future.

HIPAA further required that the Department of Health and Human Services (HHS) adopt such protections through regulation if Congress failed to address the issue within three years.

Of particular importance and consequence to university research is the section of the Act dealing with the standards for protecting patients’ privacy and confidentiality. For example, the Act specifically addresses the release or disclosure of DNA analysis and tissue analyses.

Federal privacy standards were initially proposed by HHS in 1999 [Privacy Act]. After reviewing sizable public input, HHS published their final standards in December of 2000 (45 *Code of Federal*

Regulations, Parts 160 and 164, “Standards for Privacy of Individually Identifiable Health Information, Final Rule”, *Federal Register*, Vol. 65, # 250, pages 82462 - 82829) with a current deadline of April 4, 2003 for all covered entities (except small health plans) to become compliant with the Act.

HIPAA defines “covered entity” as a health plan, health care clearinghouse, or a healthcare provider “who transmits any health information in electronic form in connection with a transaction covered” by the Act. “Covered transaction” includes patient medical records and information in addition to patient billing and other patient care administrative items. Further, the Act does not distinguish between medical records that are generated solely for patient care and those that are generated partially or in whole for research purposes. Although WSU-affiliated hospitals certainly qualify as “covered entities” under HIPAA, designation of the University specifically as a discrete “covered entity” is not as clear. A review of definitions found in various federal codes and regulations could lead one to argue, however, that by virtue of several services it provides (e.g., pharmacy, student health) WSU would qualify for this designation.

The effect of the Privacy Act on research has generated ample discussion without resolution. Arguments have been presented both pro and con and from both research and treatment settings with even professionals unable to agree upon its impact. Under this Act, “Protected Health Information” (PHI) is generally defined as individually identifiable health information with very strict guidelines being set for its release or disclosure. With very stringent and narrow exceptions, HIPAA requires a patient’s “consent” for disclosure or use

of PHI for treatment, payment, or health care operations while explicit “authorization” is required for disclosure or use of such PHI for other purposes, including research.

Among the concerns expressed within the research community are the apparent inability to review patient records for subject recruitment, the use of medical records generated during clinical trials, the inadequate availability of data for needed epidemiological or environmental studies, and the need for dual project review (i.e., an IRB for human subjects and a second review by a privacy board). Advocates for research subjects, on the other hand, see the Act as potentially resulting in additional subject recruitment and more reliable data. They argue that, with a higher assurance of data confidentiality and individual anonymity, subjects will be more willing to enroll in research projects and/or more willing to provide honest answers to sensitive questions.

In March of 2002, HHS published proposed changes to the Privacy Act (45 *Code of Federal Regulations*, Parts 160 and 164, “Standards for Privacy of Individually Identifiable Health Information, Proposed Rule”, *Federal Register*, Vol. 67, # 59, pages 14775 - 14815). Several of the proposed rule changes relate to use of PHI for research purposes and were the result of significant public input and lobbying on behalf of various university advocacy groups. Proposed rule changes that specifically impact research activities are as follows:

- ◆Eliminate the need for multiple consent forms by allowing a single combined consent document for treatment, payment, or health care operations as well as research activities

See "HIPAA" on page 3

Notes From the Director

One of the first complaints I received after becoming RSP Director six years ago related to the duplication of effort imposed on researchers doing human subject research at area

hospitals and medical centers. Federal regulations mandate that such research be reviewed and approved by an Institutional Review Board (IRB), and most research institutions operate their own IRB. (RSP coordinates the WSU IRB.) In most cases, one IRB was not allowed to defer to another IRB. Thus a Wright State researcher who wanted to do a study at hospital X was usually subject to review by that hospital's IRB and the WSU IRB. And there wasn't much I could do about it.

From the investigator's point of view, the situation was, to put it mildly,

byzantine. IRB's don't just review and approve research; they review and approve the format and content of all the documents used in that research related to human subjects use, especially the consent form that the subjects sign. And so, if changes are required in the forms as originally submitted (as they almost always are), the changed forms must go back for re-review. Now add to this mix a review by two different boards with two different schedules and procedures, and you end up with what one investigator described as the "ping-pong ball effect."

I am pleased to report that federal rules have recently changed, and we should soon be able to eliminate duplicate reviews at four sites: Miami Valley Hospital, Kettering Medical Center, Children's Hospital (Dayton), and Wright-Patterson AFB Medical Center. This plan is subject to federal approval, so nothing has officially changed yet. But when that approval has been received we will make a widely-disseminated announcement, and hopefully stop playing ping-pong with our investigators!

Bill

HIPAA

Continued from page 2

- ◆ Allow for a single type of "authorization" form for advance activity uses (although the one form-one activity rule would still apply)
- ◆ Allow for continued disclosure of information to non-government entities concerning information subject to FDA regulation

The stated objective of the proposed changes is to provide patients with easier access to medical care and research protocols while continuing to protect their privacy.

At this time, the actual impact of HIPAA on the research enterprise cannot be completely known nor can the concerns expressed by both research advocates and patient advocates be adequately evaluated. What is clear, however, is that compliance with HIPAA is less than a year away, that compliance will bring changes to the way research is conducted (the magnitude and specifics of which are unknown), and that non-compliance with HIPAA will result in significant civil and criminal penalties.

Gene Herr

Research Incentive Awards

RSP is pleased to announce the award recipients for the FY 2002 Research Incentive Program. The Research Initiation competition attracted 11 proposals of which 6 were se-

lected for funding for a total of \$47,850. There were 15 proposals in response to the Professional Development competition with 9 awarded for a total of \$22,194.

Research Initiation

Candace C. Cherrington	CONH	A Randomized Study of the Physiologic Response in Patients with Acute Myocardial Infarction to the Administration of Psychological Instruments	\$8,000
Donald F. Cipollini	COSM	Comparison of Herbivore Resistance and Competitive Ability of the Invasive Plant, Garlic Mustard, from Native European and Introduced North American Habitats	\$7,950
J. Scott Fraser	SOPP	Improving Therapy Outcomes Through Real-Time Client/Therapist Feedback	\$7,900
Ronald R. Geibert	COLA	Incorporating Adaptive Technologies into the Arts	\$8,000
Dragana Ivkovich	COSM	A Model of Hypoxic-Ischemic Brain Injury to Study Early Cognitive Development in Rats	\$8,000
Li D. Xu	RSCB	Using Enterprise Modeling Approach to Facilitate ERP Implementation	\$8,000

Professional Development

Matthew P. Benjamin	COLA	Lighting Design - Opera Theatre and Music Festival of Lucca	\$2,500
Carl F. Brun	COLA	Evaluate or Perish: A Social Service Agency Survival Guide	\$2,500
Jyn-Hann Chang	SOPP	Certification, American Board of Rehabilitation Psychology	\$2,500
Deborah J. Crusan	COLA	Professional Renewal at the Summer Institute in Applied Linguistics	\$2,194
Anthony B. Evans	COSM	Latin Squares Based on Groups and Related Problems	\$2,500
Thomas Gregory Hellems	COLA	Saratoga International Theater Institute - Summer Theater Workshop	\$2,500
Jackson Leung	COLA	The Conductor's Institute at Bard	\$2,500
Joan Brady Lumpkin	RSCB	Web Development Using Visual Studio.NET	\$2,500
Julia Reichert	COLA	A Lion in the House	\$2,500

Sponsor Alerts

NIH Increases Salary Caps for FY 2002

The FY 2002 federal budget included an increase in the National Institutes of Health salary cap in awards by raising the Executive Level I salary rate. The Executive Level I annual salary rate was increased to \$161,200 for the period of January 1 through December 31, 2001. Effective January 1, 2002, the Executive Level I salary is increased to \$166,700 for January 1, 2002 and beyond.

Charts reflecting the time frames associated with existing salary caps and "Q&A" information can be found in the *NIH Guide* announcement "Salary Limitation on Grants, Cooperative Agreements and Contracts" at <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-02-030.html>.

NIH Increases Training Grant Stipends

The National Institutes of Health have announced budgetary changes for Fiscal Year 2002 National Research Service Awards (NRSA) that affect the stipend levels for predoctoral and postdoctoral trainees and fellows. In addition, the Training Related Expenses for trainees and the Institutional Allowance for individual fellows are being increased. These changes are effective only for NRSA awards made with FY 2002 funds, on or after October 1, 2001.

The new stipend levels are to be used in the preparation of future competing and non-competing NRSA institutional training grant and individual fellowship applications.

The full announcement, "National Research Service Award (NRSA) Stipend Increase and Other Budgetary Changes Effective for Fiscal Year 2002," with Stipend, Training Related Expense, and Institutional Allowance levels is available at <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-02-028.html>.

Ohio Board of Regents (OBR) Action Fund Policies

OBR Action Fund Policies (Revised August 2000) no longer require a specific minimum that the external funding agency must contribute toward the requested capital acquisition for the project. There still must be a 50/50 match (Action Fund/University) with a minimum equipment cost of \$120,000 and a total project cost of \$250,000, however, there is no specific formula for the sharing of the match for the equipment between the University and the external sponsor. Although inclusion of the equipment expense in the external proposal budget is not required, it must be demonstrated that an Action Fund grant will make the proposed project more likely to receive the external research award. Often, acceptance of the inclusion of the capital equipment

expense by peer reviewers for the external sponsor is evidence that the Action Fund grant will make the proposed project more acceptable to the external sponsor, but it is not a requirement for the external sponsor proposal.

You will find complete guidelines to the OBR Action Fund at <http://www.regents.state.oh.us/progs/actpol.html>.

Keep that Funding Info Coming

Please remember, as your research interests change or new keywords are developed to express your interest, it is important to update the keywords in your Faculty Interest Profile. Our office uses these keywords to identify funding sources that match your research interests so that we may forward this information to the appropriate faculty. This year, RSP began sending out quarterly updates on the Faculty Listserve as notification of new keywords added to the SPIN Keyword Thesaurus during the past three months. To complete a new Faculty Interest Profile or to update your current one, just enter the appropriate information at <http://www.wright.edu/cgibin/profile.pl>. If you have any questions about the form or keywords, you may contact Jan Power at ext. 2425.

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 Announced

for 2002 Research Challenge Major Collaboration Grant Program

RSP is pleased to announce the award recipients for the FY 2002 Major Collaboration Grant Program. As part of the Research Challenge Program supported by the Ohio Board of Regents, the intent is to encourage the formation of collaborative research partnerships and the submission of collaborative

proposals for major external grants and contracts.

Eleven proposals were received in this first competition, of which five were selected for funding, totaling \$322,026. It is anticipated that this investment will eventually result in the submission of at least five external proposals requesting a total annual amount of \$4,000,000.

Collaborating Investigators	Departments	Amount Awarded	Target
Roger M. Siervogel Bradford Towne Stefan Czerwinski Ellen Demerath D. Drew Pringle Anna Bellisari	Community Health Community Health Community Health Community Health Health, Physical Education and Recreation Sociology and Anthropology	\$70,026	A proposal to The National Institutes of Health (NIH) in the area of genetic epidemiology of CVD risk factors.
Gerald M. Alter Daniel Krane Michael Raymer Paul G. Seybold	Biochemistry and Molecular Biology Biological Sciences Computer Science and Engineering Chemistry	\$30,000	A proposal to the National Science Foundation (NSF) to study high resolution molecular topology of nucleotide excision repair.
Ramana V. Grandhi Marian K. Kazimierczuk Thomas Svobodny	Mechanical and Materials Engineering Electrical Engineering Mathematics and Statistics	\$67,000	A proposal to either the Defense Advanced Research Projects Agency or to NSF for support of computer modeling of multi-physics in vehicle systems design.
Keith Grasman Allen Burton Wayne Carmichael Daniel Krane Mariana Morris Michael Raymer James McDougal	Biological Sciences Institute for Environmental Quality Biological Sciences Biological Sciences Pharmacology and Toxicology Computer Science and Engineering Pharmacology and Toxicology	\$55,000	Proposals to the Biomedical Research & Technology Transfer Commission and/or the US Environmental Protection Agency to develop environmental health assessments using toxicogenomic technologies
John Turchi Steven Berberich Michael Leffak Patrick Dennis	Biochemistry and Molecular Biology Biochemistry and Molecular Biology Biochemistry and Molecular Biology Biochemistry and Molecular Biology	\$100,000	Proposal to NIH to study the pleiotropic effects of the p53 tumor suppressor on cellular signaling pathways

COS Search Tip

Have you ever wanted to find a funding opportunity and a collaborator at the same time? You can do this quickly and easily by using the "Search All Databases" module on the COS Workbench. This module allows you to query multiple COS resources at the same time. Simply type a word or phrase into the text box and click on "Search." The top five results for each COS resource will be returned.



If you have not registered with Community of Science, go to <http://login.cos.com> to get your free username and password that will enable you to initiate funding searches and publish your expertise profile in the COS database. 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.

AWARDS

The grants and contracts on these pages were awarded from January 2002 through April 2002

College of Education and Human Services

Helms, Ronald G. <i>Professional Growth in the Wright Direction</i> Ohio Department of Education \$15,000	Garber, Fred D. Minardi, Michael J. <i>Intergovernmental Personnel Agreement - Minardi</i> DoD, Air Force, Air Force Research Laboratory \$150,162	Grandhi, Ramana V. <i>Computational Mechanics Approach for Multidisciplinary Nonlinear Sensitivity Analysis</i> DoD, Air Force Office of Scientific Research (AFOSR) \$54,000
Kerlin, Timothy <i>Career-Technical Distance Education Delivery Grant</i> Ohio Department of Education \$75,000	Garber, Fred D. Dilsavor, Ronald L. <i>Intergovernmental Personnel Agreement - Dilsavor</i> DoD, Air Force, Air Force Research Laboratory \$136,511	Grandhi, Ramana V. <i>Computational Mathematics for Determining Uncertainty Bounds in Multi-Valued Engineering Design (DAGSI cost share)</i> Dayton Area Graduate Studies Institute (DAGSI) \$34,000
Walls, Don A. Graham, Glenn T. Wise, Gordon L. <i>Market Analysis for Warren County Schools</i> Warren Local Schools \$27,000	Garber, Fred D. <i>Developing Effective Strategies and Performance Metrics for Automatic Target Recognition</i> University of South Alabama \$23,683	Hangartner, Thomas N. <i>Postmenopausal Evaluation and Risk Reduction</i> Pfizer, Inc. \$65,000
College of Engineering and Computer Science	Garcia, Oscar N. <i>Priorities in Graduate Education (Computer Science)</i> Ohio Board of Regents \$109,606	Hangartner, Thomas N. <i>Evaluation of a Novel Treatment for Osteoarthritis of the Knee</i> Procter & Gamble Company \$34,187
Bourbakis, Nikolaos G. <i>Priorities in Graduate Education</i> Ohio Board of Regents \$76,424	Goshtasby, A. Ardeshir Satter, Martin <i>Non-Linear Brain Shift Correction</i> Ohio Medical Instruments, Inc. \$110,000	Hong, Lang <i>Distributed Multirate Multiple Model Filtering with Out-of-Sequence Data</i> MRLets Technologies, Inc. \$50,000
Emmert, John <i>MonoBIT Receiver Design and Implementation</i> Ball Aerospace \$14,999	Grandhi, Ramana V. <i>Computational Mathematics for Determining Uncertainty Bounds in Multi-Valued Engineering Design</i> DoD, Air Force Office of Scientific Research (AFOSR) \$140,413	Hong, Lang <i>Automotive Collision Avoidance System</i> Automotive Systems Laboratory, Inc. \$18,750

The staff of the Office of Research and Sponsored Programs congratulates those receiving external funds,

Jean, Jack S.
*Handheld One-Way Voice
Communication System*
Sys tran Federal Corporation
\$96,944

Mis ra, Pradeep
*Development of IEEE Control Systems
Society Web Site*
Institute of Electrical and Electronics
Engineers, Inc. (The)
\$18,876

Phillips, Chandler A.
*Modeling and Control Support for
Development of Information Theroretic
Systems*
Sytronics Inc.
\$10,000

Rothrock, Ling
Harvey, Craig M.
*Design and Development of the Team
Wright State Aegis Simulation
Platform (TWASP) to Support
Modeling for Effective Team Training*
DoD, Other
\$26,870

Shang, Joseph J.S.
*Investigation of Microwave Attenuation
in Plasma*
DoD, Air Force Office of Scientific
Research (AFOSR)
\$142,618

Shaw, Armab K.
*Controlling the Apparent Vocal Effort
of Synthetic Speech*
Veridian Engineering
\$36,957

Siferd, Raymond E.
*High Speed/Resolution Delta Sigma
Analog-to-Digital Converters*
Sys tran Federal Corporation
\$167,256

Slater, Joseph C.
*P-POD: A Python-Based Generic
Proper Orthogonal Decomposition
Simulation Control Tool*

Srinivasan, Raghavan
*Continuous Severe Plastic Deformation
Processing of Aluminum Alloys*
U.S. Department of Energy
\$153,548

Thomas, Scott Keith
*Aircraft Mechanical/Thermal
Technology Research*
DoD, Air Force, Air Force Research
Laboratory
\$75,000

College of Liberal Arts

Curry-Jackson, Anita E.
Dobbins, James E.
Front-Line Supervisor Training
Montgomery County Department of Job
and Family Services
\$60,944

Curry-Jackson, Anita E.
Rogers, Marita C.
*Geriatric Enrichment in Social Work
Education*
Council on Social Work Education
\$30,000

Dockery, Jane L.
IT Industry Analysis
Cleveland State University
\$5,000

Dockery, Jane L.
*Philada Home Fund Strategic Plan
Process*
Philada Home Fund (The)
\$3,830

Dockery, Jane L.
Arose, Lisa H.
Strategic Planning Facilitation
Miami Valley Fair Housing Center
\$2,755

Dustin, Jack L.
*Urban Projects - Urban Universities
Linkage*
Ohio Board of Regents
\$53,140

Dustin, Jack L.
OTTA Strategic Plan Report
Ohio Tuition Trust Authority
\$25,915

Du stin, Jack L.
COPC Matching Funds
More Than One Source of Support
\$757

Killian, Jerri
Ohio Certified Public Manager
University of Cincinnati
\$5,000

Killian, Jerri
Ohio Certified Public Manager
Cleveland State University
\$141

McLellan, Marjorie L.
Helms, Ronald G.
*Nearby History: A Summer Institute
for Educators "Living and Working in
the Miami Valley, 1890-1945"*
Ohio Humanities Council
\$16,000

McLellan, Marjorie L.
Greene County Public Library Internship
Greene County Public Library
\$1,890

College of Nursing and Health

Martin, Patricia A.
*Miami Valley Hospital Operating
Agreement*
Miami Valley Hospital
\$135,000

Scordo, Kristine A.
*MVPS: Health Concerns, Role
Function, Health Service Use*
DHHS, National Institute of Nursing
Research (NINR)
\$143,000

**College of Science and
Mathematics**

Alvarez, Francisco J.

CAREER - Maturation of Synaptic Properties During Early Postnatal Development

NSF, Faculty Early Career Development (CAREER)
\$93,308

Arasu, Krishnashany T.

Arrays over Small Phase Having Desirable Correlation Properties

NSF, Grants for Scientific Research
\$12,000

Arlian, Larry G.

Immunoanalytical Support for Identification of and Treatment of Allergens

Procter & Gamble Company
\$15,376

Arlian, Larry G.

Dust Mite Culture Media

Air Quality Sciences, Inc.
\$1,000

Arlian, Larry G.

House Dust Mite Purity Analysis

Allergy Laboratories, Inc.
\$250

Baird, Scott E.

Genetics of Haldane's Rule in Caenorhabditis

NSF, Miscellaneous
\$165,932

Battino, Rubin

Seybold, Paul G.

Factors Influencing the Solubility of Gases in Liquids

Camille and Henry Dreyfus Foundation, Inc.
\$10,000

Burton, G. Allen

A Diagnostic Approach for Identifying Biological Impairment and Dominant Stressors

Burton, G. Allen

Storm Water Assessment: WolfCreek Outfalls

City of Dayton, Miscellaneous
\$66,000

Burton, G. Allen

Assessing Sediment Contamination Using Non-Traditional Approaches

Lockheed Martin
\$50,000

Burton, G. Allen

Field Validation of Sediment Zinc Toxicity

International Lead Zinc Research Org., Inc.
\$49,373

Carmichael, Wayne W.

Analysis of Human Sera Samples from Dialysis Clinic Patients

U.S. Environmental Protection Agency
\$9,920

Carmichael, Wayne W.

Characterization of Cyanobacteria Secondary Metabolites

More Than One Source of Support
\$8,700

Feld, William A.

Single Ionic Conducting Polymer Electrolyte

University of Dayton
\$22,575

Foy, Brent D.

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

DoD, Air Force Office of Scientific Research (AFOSR)
\$93,750

Gilpin, Roger K.

Garrett, John H.

Solch, Joseph G.

Tierman, Thomas O.

VanNess, Garrett F.

Investigations of Nonpoint Source Pesticides and their Bioaccumulation in Tennessee Mussels and Fish

Gilpin, Roger K.

Solch, Joseph G.

Garrett, John H.

VanNess, Garrett F.

Measurements of Dioxins and Furans in Environmental Samples

U.S. Environmental Protection Agency
\$15,400

Gilpin, Roger K.

Solch, Joseph G.

Garrett, John H.

VanNess, Garrett F.

Measurement of Contaminants in Commercial Herbicide

ATANOR

\$11,000

Gilpin, Roger K.

Tierman, Thomas O.

Garrett, John H.

Solch, Joseph G.

VanNess, Garrett F.

Measurement of Contaminants in Commercial Herbicide

ATANOR

\$9,900

Gilpin, Roger K.

Solch, Joseph G.

Garrett, John H.

VanNess, Garrett F.

Chemical Analysis of Biological Tissues and Associated Media

State of New York

\$7,600

Gilpin, Roger K.

Solch, Joseph G.

Garrett, John H.

VanNess, Garrett F.

Measurements of Dioxins and Furans in Environmental Samples

U.S. Environmental Protection Agency
\$6,000

Gilpin, Roger K.

Garrett, John H.

VanNess, Garrett F.

Measurement of Contaminants in Commercial Herbicide

Monsanto, Buenos Aires, Argentina

Gilpin, Roger K.
 Van Ness, Garrett F.
 Garrett, John H.
*Measurements of Dioxins and Furans
 in Environmental Samples*
 U.S. Environmental Protection Agency
 \$3,834

Gilpin, Roger K.
 Solch, Joseph G.
 Garrett, John H.
 Van Ness, Garrett F.
Chemical Analysis of Biological Material
 State of New York
 \$3,800

Gilpin, Roger K.
 Tiernan, Thomas O.
 Garrett, John H.
 Solch, Joseph G.
 Van Ness, Garrett F.
*Measurement of Non-Point Toxic
 Pollutants*
 Gast, Phillips & Murray
 \$950

Gilpin, Roger K.
 Rukunda, Farai
 Garrett, John H.
 Van Ness, Garrett F.
State of Ohio Sludge Program
 More Than One Source of Support
 \$620

Gasman, Keith A.
*Assessment of Pollutants and Health
 Effects in Wild and Captive Birds*
 Canadian Wildlife Service
 \$4,620

Hennessy, Michael B.
*Social Influences on Endocrine and
 Behavioral Responses During
 Development*
 NSF, Research Experiences for
 Undergraduates
 \$5,000

Hou, Xiang-dong
*Two Projects in Algebra and
 Combinatorics*
 DoD, National Security Agency

Ketcha, Daniel M.
*Collaborative Research:
 Undergraduate Instruction in
 Combinatorial Chemistry*
 NSF, Course, Curriculum and Laboratory
 Improvement
 \$107,243

Klein, Helen A.
Multinational Teams
 Klein Associates, Inc.
 \$16,200

Krane, Dan E.
Forensic DNA Profiling
 More Than One Source of Support
 \$34,491

Look, David C.
Materials for High Speed Devices
 DoD, Air Force, Air Force Research
 Laboratory
 \$450,000

Look, David C.
*Identification and Elimination of
 Defects and Impurities in GaN*
 DoD, Air Force Office of Scientific
 Research (AFOSR)
 \$140,703

Look, David C.
Center for Advanced Nitride Electronics
 University of California
 \$51,682

Look, David C.
Nanoporous SiC and GaN
 Carnegie Mellon University
 \$47,500

Look, David C.
Hall Effect Measurements
 Varian Associates, Inc.
 \$140

Ritzi, Jr., Robert W.
Ground Water Protection Program
 Cemex
 \$23,951

Shalin, Valerie L.
*Roles for Technology in the
 Facilitation of Distributed Work in
 Complex Dynamic Domain*
 National Aeronautics and Space
 Administration
 \$44,989

Shebilske, Wayne L.
 Tsang, Pamela S.
*Intelligent Distributed Group and Team
 Training Systems*
 Texas A & M University
 \$335,747

Shebilske, Wayne L.
 Tsang, Pamela S.
*Intelligent Distributed Group and Team
 Training in AWACS Simulation*
 DoD, Air Force Office of Scientific
 Research (AFOSR)
 \$25,751

Svobodny, Thomas P.
*Mathematical Modeling, Simulation,
 and Control of Physical Processes*
 DoD, Air Force Office of Scientific
 Research (AFOSR)
 \$30,515

Wood, Timothy S.
*Systematics of Plumatellid Freshwater
 Bryozoans*
 National Environment Research Council
 \$1,792

Lake Campus

Schumm, Gregory F.
Small Business Development Center
 Lima Technical College
 \$8,100

Schumm, Gregory F.
Small Business Development Center
 Lima Technical College
 \$2,902

Raj Soin College of Business

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

Scherer, Robert F.
Bodey, Michael W.
Enterprise Works Site Coordinator
EnterpriseWorks
\$12,500

Scherer, Robert F.
We Care Arts
We Care Arts
\$2,000

School of Graduate Studies

Sanville, Thomas J.
OhioLINK
Ohio Board of Regents
\$1,687,121

Thomas, Jr., Joseph F.
Ohio's Research Challenge - "01-03" Biennium
Ohio Board of Regents
\$178,793

School of Medicine

Adragna-Lauf, Norma C.
Regulation of K-Cl Cotransport by Nitric Oxide
American Heart Association - National
\$71,500

Alter, Gerald M.
Graduate Research Assistant Stipend - Wey
Harbor-UCLA Research & Education Institute
\$6,630

Alter, Sherman J.
Safety and Effectiveness of a New Rotavirus Vaccine
Merck & Co., Inc.
\$8,120

Berberich, Steven J.
Effects of 2-Deoxy-Glucose on Gene Expression in U-87 Glioblastomas
Kettering Medical Center
\$18,910

Bonnet, Michael H.
Neurocrine Sleep Consortium Agreement
Neurocrine Biosciences, Inc.
\$25,000

Broxson, Jr., Emmett H.
Treatment of Malignant Solid Tumors or Hodgkin's Disease
Ortho Biotech Products, L.P.
\$11,250

Canessa, Leonardo M.
Blood Pressure Studies
Bristol-Myers Squibb Co.
\$10,055

Cauley, Katherine L.
AHEC Support
Ohio Board of Regents
\$53,860

Cauley, Katherine L.
Sinclair Community College Matching Funds
Sinclair Community College
\$36,198

Cauley, Katherine L.
Meyer, Cheryl
Comprehensive Needs Analysis
Ohio Department of Mental Health
\$2,490

Christian, Bradley T.
Correlating Antipsychotic Related Behavioral Effects and FDG Uptake
PET Consultants, Inc.
\$1,757

Czerwinski, Stefan Aleksander
Towne, Bradford
Siervogel, Roger M.
Genetic Epidemiology of Bone Turnover Markers
DHHS, National Institute on Aging (NIA)
\$71,500

Gomez-Cambronero, Julian
Signal Transduction in Neutrophil-Mediated Heart Injury
DHHS, National Heart, Lung, and Blood Institute (NHLBI)
\$102,914

Gomez-Cambronero, Julian
Synthesis of a Cell-Permeable Phospholipase D Inhibitor
American Heart Association - National
\$71,500

Hurd, William W.
Magnesium Sulfate Effects on Pregnant Human Uterus
DHHS, National Institute of Child Health and Human Development (NICHD)
\$2,939

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

Moore, Dennis C.
Rehabilitation Research and Training Centers (RRTC) on Drugs and Disability
U.S. Department of Education
\$500,000

Moore, Dennis C.
Increasing Substance Abuse Treatment Compliance for Persons with Traumatic Brain Injury
Ohio State University
\$79,196

Moore, Dennis C.
Accessible ATOD and Violence Prevention for Youth with Disabilities
Ohio Department of Education
\$65,000

Moore, Dennis C.
RRTC on Drugs and Disabilities Training
National Association on Alcohol, Drug and Disability, Inc. (NAADD)
\$9,646

Morris, Mariana
Stills, Harold F.
Generation and Characterization of a Novel Antisera
DominyLevin Psychoendocrine, Inc.
\$3,000

Nieder, Gary L.
Nagy, Frank
Anatomical Resource in the QuickTime VR Format
DHHS, National Library of Medicine (NLM)
\$44,128

Olson, James E.
Mechanisms of Cellular Taurine Transport in Brain Edema
DHHS, National Institute of Neurological Disorders and Stroke (NINDS)
\$253,322

Organicciak, Daniel T.
Environmental Light and Retinal Membrane Development
DHHS, National Eye Institute (NEI)
\$305,654

Paul, Cassandra C.
Baumann, Michael A.
License Agreement for Eosinophilic Cell Line - R. W. Johnson PRI/Ortho Pharmaceutical Corporation
Ortho Pharmaceutical Corporation
\$10,000

Rapp, Richard C.
Mobilizing Natural Helpers: Redefining Youth Substance Abuse Treatment
Robert Wood Johnson Foundation
\$249,052

Siegel, Harvey A.
Falck, Russell S.
Carlson, Robert G.
Wang, Jichuan
Crack and Health Service Use: A Natural History Approach
DHHS, National Institute on Drug Abuse (NIDA)
\$612,454

Siegel, Harvey A.
MCHD CSAT HIV Prevention Project
Montgomery County Combined Health District
\$5,240

Stern, Javier E.
Nitric Oxide Effects on Vasopressin Neuronal Excitability: Modulation of Synaptic Activity
American Heart Association - National
\$71,500

Towne, Bradford
Siervogel, Roger M.
Genetic Epidemiology of Childhood Skeletal Maturation
DHHS, National Institute of Child Health and Human Development (NICHD)
\$451,499

Towne, Bradford
Genetic and Environmental Influences on Childhood Growth
DHHS, National Institute of Child Health and Human Development (NICHD)
\$382,308

School of Professional Psychology

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

Yung, Betty
Violence Prevention Training
Girl Scouts of Buckeye Trails Council
\$2,850

Student Affairs

Kayata, Kristen
Uniform Commutation Allowance
DoD, Air Force, AFROTC
\$42,190

Dewberry, Brenda I.
2002 Summer Honors Institute for Gifted Students
Ohio Department of Education
\$58,874

Kennedy, Sandra D.
Leadership and Goalsharing Training
Veterans Affairs Medical Center
\$5,180

Kennedy, Sandra D.
Facilitated Strategic Team Development
International Fineblanking Corporation
\$895

Kennedy, Sandra D.
Eduainment Facilitation
Montgomery County Programs
\$615

Kennedy, Sandra D.
OLMCP Partners Workshops
More Than One Source of Support
\$572

Universitywide/Miscellaneous

Ralston, Keith
Personnel Agreement - Heard
Southwestern Ohio Council for Education
\$76,346



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!

RESEARCH NEWS

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Technology Transfer UPDATE

Jeffrey Kohler, who served as Technology Manager in our office, left the University in March to accept a position in sunny Florida. We enjoyed working with Jeff, and his valuable expertise will be missed. A search committee has been assembled, and we are in the process of locating a candidate to fill this vacated position. During the interim, if you have any questions about or need any assistance with a technology transfer issue, please feel free to contact Dr. William Sellers by telephone at ext. 2425 or by email at william.sellers@wright.edu.

ITRI Workshop Focuses on Partnerships among Academia, Government and Industry

The Fifth Annual Spring Information Technology Research Institute (ITRI) Workshop was held on April 11, in conjunction with the Research and Sponsored Programs' Technology Showcase. The ITRI Workshop focused on the theme, "Academia-Industry-Government Partnerships: The Foundation of Ohio's Technology-based Economic Development Strategy." Representatives of the Ohio Aerospace Institute (OAI), Computer Sciences Corporation, and the Ohio Department of Development outlined mechanisms to facilitate collaboration among industry, universities, and government.



As summarized by the OAI Director of Collaborative Research, the keys to successful partnerships are: 1) identifying university areas of strength and expertise; 2) identifying relevant industry sectors; and 3) providing a mechanism for effective mutual dialogue. The ITRI Workshop series has effectively initiated the first steps toward building partnerships among these three groups. With increasing support of federal and state funding geared to economic development, the future of academia-industry-government alliances looks promising.

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