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WSU Research News, Winter 2004

Office of Research and Sponsored Programs, Wright State University

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Research Challenge Awards Announced

We are pleased to announce the selection of awardees of the Research Challenge Early Start/Augmentation program. Of 51 proposals submitted, 14 projects were funded for a total of $240,930. The primary objective of the Research Challenge program is to furnish seed funding to faculty in order to produce additional sponsored research. Congratulations to those receiving an award (listed below) from the October 2003 call for applications. More information on these awards may be found at our website: www.wright.edu/rsp/internal.html.

Francisco Alvarez SOM Development of Synaptic Inputs on Spinal Interneurons $32,460
Donald Cipollini COSM Impact of Garlic Mustard (Alliaria petiolata) Allelochemicals on Plants and Their Mycorrhizal Associates 19,612
John Emmert ECS High Speed ADC for Mixed Signal BIST 15,000
Eric Fossum COSM Design and Application of 'SMART' Monomers for the Synthesis of Well-Defined, Functional Highly Branched Engineering Plastics 15,550
John Gallagher ECS CTRNN-EH Control of a Flapping-Wing Robot: Initial Explorations 17,000
Raymond Hill ECS Expanding a Modeling Infrastructure for Air Force-Focused R&D 14,000
William Hurd SOM Effects of Human Myometrial Length on Spontaneous Contractility 15,000
I. Michael Leffak SOM DNA Replication of Disease 15,500
Kathleen Malloy SOPP Psychometric Testing of Batterer Outcome Measures 14,800
Steve Patrick SOM Enzymatic Processing of Cisplatin Interstand Cross-link Triplex DNA 19,822
Ravi Penmetsa ECS Efficient Techniques for Robust System Reliability Estimation 15,500
Douglas Petkie COSM Basic and Applied Millimeter and Submillimeter-Wave Spectroscopy 15,000
Nicholas Reo SOM Development of Multinuclear NMR Methods for Metabolomic Research 14,000
Yvonne Vadeboncoeur COSM Liittoral Productivity in Lakes: Interactions Between Water Clarity and Habitat Heterogeneity 17,686

Looking for SUCCESS Stories

Did you ever get a funding alert from one of our funding databases that matched your interests well enough to lead to a proposal submission? Have you ever been contacted by a colleague interested in a collaboration who found out about your interests through your Community of Science expertise profile, or have you used the expertise profiles to find a collaborator? We are trying to determine how successful the Sponsored Program Information Network (SPIN) and Community of Science (COS) databases have been in assisting our researchers in finding funding opportunities or collaborative partners. If you would be willing to share your success story with us, please let us know how the databases have helped you by sending an email to Jackie Frederick at jackie.frederick@wright.edu.

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From Invention to Market 2004

Mark Your Calendar! April 1, 2004 8:30 a.m.–4:00 p.m.

Celebrating the Promise of Innovation Technology Showcase & Seminars

Wright State University Student Union FREE and open to the public

Wright State University Student Union

For more information, visit our Web site: www.wright.edu/techtransfer/itm04/

The “From Invention to Market 2004” forum is a great opportunity for faculty to showcase their inventions and technologies for an audience of entrepreneurs, venture capitalists, government officials, and other faculty and researchers from the Dayton/Columbus/Cincinnati area.

If you would like the opportunity to give your research project more visibility, you are invited to participate in the Showcase with an exhibit in the atrium from 11:15 a.m. to 4:00 p.m.

Please contact Isabelle Gorrillot at ext. 2651 for more details about exhibiting in this event. For updates on the forum’s agenda please visit the event website at http://www.wright.edu/rsp/TechTrans/itm04/

Internal Funding Opportunities for Faculty

Research Incentive Program announced

This year’s deadline for the Research Incentive Program is February 20, 2004. The purpose of the Research Incentive program is to support research and other scholarly activities by the University faculty within the constraints of available resources. The competitive program consists of the following two components:

Research Initiation Grants are intended to provide seed funds for new research efforts likely to attract external funding. Grant budgets are limited to $10,000. Recently appointed faculty and those without significant external funding are given priority.

Professional Development Grants are intended for more general and diverse scholarly activities and professional renewal. Grant budgets are limited to $3,000.

The Research Initiation and Professional Development grants are a continuing feature of the Research Council programs. The intent of sponsoring two distinct programs is to recognize that there is a significant difference among disciplines in the opportunities for external funding and the costs of doing research. The Research Council wishes to provide an incentive for all eligible faculty to initiate new scholarly activities that support continued professional development of the faculty and the goals of the departments and colleges.

Because of revisions in the School of Medicine’s seed grant program, faculty in the School of Medicine are no longer eligible to participate as principal investigators in the Research Incentive Program if the work proposed is similar to the kinds of externally-funded projects that would normally be processed through the School of Medicine. However, faculty in Matrix departments can participate as principal investigators if the work proposed is similar to the kinds of externally-funded projects that would normally be processed through the College of Science and Mathematics. In addition, proposals are encouraged that involve School of Medicine faculty as collaborating co-investigators.

Approximately $75,000 is available overall for the Research Incentive competition, and 4-7 awards in each category are anticipated. Copies of guidelines and application forms for both the Research Initiation Grant and Professional Development Grants are available online at http://www.wright.edu/rsp/InternalProgs/Rl.html.
AWARDS

The grants and contracts on these pages were awarded from September 2003 through December 2003

Academic Affairs

Kennedy, Sandra D.
Wright State University Kettering Center for Continuing Education's Labor Management Initiative
Ohio Department of Development
$53,000

Kennedy, Sandra D.
Wright State/Southwestern Ohio Labor-Management Working Network Council
Ohio Department of Development
$49,000

Kennedy, Sandra D.
Leading Successful, Goal-Oriented Teams
Veterans Affairs Medical Center
$45,800

Schisler, Cindy
Chemineer Inc. Facilitator
Chemineer, Inc.
$3,300

Sturdevant, Brian D.
Fausch, Scott A.
Uniform Commutation Allowance
DoD, Air Force, AFROTC
$5,130

Bernhardt, Gregory R.
Expanding the Pool of Qualified Teachers for Ohio's Schools
Ohio Department of Education
$174,000

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

Helms, Ronald G.
McLellan, Marjorie L.
Teaching American History Grant
Dayton Public Schools
$172,900

Ovington, June A.
Capacity-Building Faculty Support Grant
Ohio Department of Education
$198,000

Schatmeyer, Kenneth
The Reading First - Ohio Center
Cleveland State University
$80,000

College of Engineering and Computer Science

Amer, Maher S.
Molecular Modeling of Polymeric Nanocomposite Materials
Universal Energy Systems, Inc. (UES, Inc.)
$104,700

Amer, Maher S.
Process Quality Control and Repair Techniques for the Next Generation HgCdTe Infrared Focal Plane Arrays
Thot, LTD.
$27,978

Bourbakis, Nikolaos G.
Brandeberry, James E.
Priorities in Graduate Education
Ohio Board of Regents
$65,240

Bourbakis, Nikolaos G.
Detecting and Mining Similarities, Differences and Target Patterns in Sequences of Images Using the PFF, LGG and SPNG Approaches
Automation, Integration of Information and Systems (AIIS) Inc.
$50,000

Bourbakis, Nikolaos G.
Summer Institute for Advanced Computation (SIAC) 2003
Ohio Supercomputer Center
$35,000

Brandeberry, James E.
Priorities in Graduate Education (Computer Science)
Ohio Board of Regents
$91,210

Chen, Chien-In Henry
Emmert, John
EW Receiver-on-a-Chip (ROC)
DoD, Air Force, Air Force Research Laboratory
$75,000

Cox, Michael T.
Distributed Collaborative Decision Support Technology
Ball Aerospace
$24,983

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.
Cox, Michael T.
**Distributed Collaborative Decision Support Technology**
Ball Aerospace
$24,983

Cox, Michael T.
**Goal-Based Plan Management for Emergency Response**
Science Applications International Corporation (SAIC)
$20,000

Emmert, John
**Hardware Design of Real Time, Highly Adaptable Control for Intelligent Radio Frequency Front Ends**
DoD, Air Force, Air Force Research Laboratory
$150,000

Garber, Fred D.
**Sensor ATR Technology**
Sverdrup Technology, Inc.
$2,287

Grandhi, Ramana V.
**Multidisciplinary Design Optimization for High Reliability and Robustness**
DoD, Office of Naval Research
$120,000

Grandhi, Ramana V.
**Simulation Based Research and Development Tools and Processes**
University of Dayton
$40,000

Hangartner, Thomas N.
**Evaluation of a Novel Treatment for Osteoarthritis of the Knee**
Procter & Gamble Company
$29,104

Hangartner, Thomas N.
**Postmenopausal Evaluation and Risk Reduction**
Pfizer, Inc.
$7,977

Hangartner, Thomas N.
**Analysis of Cardiac Images by Computed Tomography**
Kettering Medical Center
$1,214

Harris, Chester A.
**Intergovernmental Personnel Agreement (IPA) - C. Harris**
DoD, Air Force, Air Force Research Laboratory
$290,588

Hill, Raymond
**Narayanan, Sundaram**
**Modeling Sortie Generation, Maintenance, and Inventory Interactions for Unit Level Logistics Planners**
University of Arkansas
$42,826

Hong, Lang
**Multirate Interacting Multiple Model Fusion**
MRLets Technologies, Inc.
$50,000

Klingbeil, Nathan W.
**Center for the Accelerated Maturation of Materials: An Enterprise for Visualization, Imaging, Simulation and Modeling**
Ohio Board of Regents - Hayes Investment Fund
$100,000

Klingbeil, Nathan W.
Raymer, Michael L.
Rattan, Kuldip S.
Reynolds, David B.
Mercer, Richard E.
**A National Model for Engineering Mathematics Education**
NSF, Miscellaneous
$100,000

Lieh, Junghsen
**Advanced Control System for Manufacturing Processes - Phase IV: Precision Machining Process Development and Optimization**
Delphi Chassis Systems
$5,000

Menart, James A.
**Detecting and Extracting Image Similarities, Differences, and Target Patterns**
MTL Systems, Inc.
$35,000

Quek, Francis
**Beyond the Talking Head and Animated Icon: Behaviorally Situated Avatars for Tutoring**
NSF, Miscellaneous
$117,774

Quek, Francis
**From Video to Information: Cross-Modal Analysis of Planning Meetings**
DoD, Maryland Procurement Office
$794,586

Quek, Francis
**From Video to Information: Cross-Modal Analysis of Planning Meetings**
Ohio Board of Regents - Action Fund
$81,834

Quek, Francis
**Detecting and Extracting Image Similarities, Differences, and Target Patterns**
MTL Systems, Inc.
$35,000

Menart, James A.
**Generation and Characterization of Stable, Weakly Ionized Air Plasmas in Hypersonic Flows**
Dayton Area Graduate Studies Institute (DAGSI)
$6,599

Mukhopadhyay, Sharmila M.
**Science and Engineering of Carbon Foams: Surface Modification Issues**
Ohio University
$33,000

Narayanan, Sundaram
Kight, Amanda C.
**Diverse Data Fusion, Information Theory, and Evaluation Techniques**
Anteon Corporation
$6,000
<table>
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<tr>
<th>Name</th>
<th>Project Description</th>
<th>Principal Investigator(s)</th>
<th>Agency</th>
<th>Amount</th>
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<td>Rizki, Mateen M.</td>
<td>Hybrid Evolutionary Learning for Pattern Recognition Contract (HELP) to Three-Dimensional Target Classification</td>
<td>DoD, Air Force, Air Force Research Laboratory</td>
<td>$102,201</td>
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<td>Shaw, Arnab K.</td>
<td>Performance Assessment for Foliage Penetrating Radar Target Detection</td>
<td>Dayton Area Graduate Studies Institute (DAGSI)</td>
<td>$6,091</td>
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<td>Slater, Joseph C.</td>
<td>Semi-Active Vibration Control of Fan Blades - Continuation Phase 3</td>
<td>Universal Technology Corporation</td>
<td>$24,986</td>
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<td>Slifer, Joseph C.</td>
<td>Quantifying Uncertainty in Structural Response</td>
<td>Anteon Corporation</td>
<td>$14,800</td>
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<td>Wang, Bin</td>
<td>Towards Scalable Cost Effective Survivability in Ultra High-Speed Networks</td>
<td>U.S. Department of Energy</td>
<td>$78,054</td>
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<tr>
<td>Wolff, J. Mitch</td>
<td>Ohio Space Grant Consortium Campus Allocation 2003-04</td>
<td>Ohio Aerospace Institute</td>
<td>$4,000</td>
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<tr>
<td>Arose, Lisa H.</td>
<td>Partnerships for Success</td>
<td>Greene County Family and Children First</td>
<td>$52,673</td>
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<tr>
<td>Arose, Lisa H.</td>
<td>Child and Family Health Services (CFHS) Focus Groups and Health Needs Assessment</td>
<td>Greene County Combined Health District</td>
<td>$10,200</td>
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<td>Brun, Carl F.</td>
<td>Child Welfare Workforce Professional Education Program (CCWPEP) Coordinator Support</td>
<td>Institute for Human Services</td>
<td>$2,000</td>
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<tr>
<td>Crosby, Catherine</td>
<td>Demographic Analyses</td>
<td>Dayton Metro Library</td>
<td>$3,238</td>
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<tr>
<td>Dockery, Jane L.</td>
<td>Teaching American History Evaluation Plan</td>
<td>Montgomery County Board of Education</td>
<td>$40,000</td>
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<td>Dockery, Jane L.</td>
<td>Celebration Central Survey</td>
<td>Downtown Dayton Partnership</td>
<td>$3,000</td>
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<td>Dustin, Jack L.</td>
<td>Urban Projects - Urban Universities Linkage</td>
<td>Ohio Board of Regents</td>
<td>$48,843</td>
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<td>Dustin, Jack L.</td>
<td>Strategic Planning - Greene County Department of Public Works</td>
<td>Greene County Department of Public Works</td>
<td>$7,590</td>
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<td>Dustin, Jack L.</td>
<td>Townview Program Coordinator Agreement</td>
<td>Townview Community Development</td>
<td>$3,900</td>
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<td>Dustin, Jack L.</td>
<td>Hope VI Project Graduate Research Assistant</td>
<td>Dayton Metropolitan Housing Authority</td>
<td>$2,500</td>
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<tr>
<td>Hooker, Carol M.</td>
<td>Demographic Analyses</td>
<td>Dayton Metro Library</td>
<td>$3,238</td>
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<td>Jones, Thomas Davidson</td>
<td>City of Dayton Opinion Surveying</td>
<td>City of Dayton Office of Management and Budget</td>
<td>$28,700</td>
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<td>Jones, Thomas Davidson</td>
<td>AIDS Aware Market Survey</td>
<td>ARC Ohio</td>
<td>$10,770</td>
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<td>Jones, Thomas Davidson</td>
<td>Communication Satisfaction Survey</td>
<td>Yellow Springs Men's Group</td>
<td>$3,700</td>
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**College of Liberal Arts**

<table>
<thead>
<tr>
<th>Name</th>
<th>Project Description</th>
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<th>Agency</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Wolff, J. Mitch</td>
<td>Ohio Space Grant Consortium Scholars Program</td>
<td>Ohio Aerospace Institute</td>
<td>$20,500</td>
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</tbody>
</table>

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McLellan, Marjorie L.
Montgomery County - Teaching American History
Montgomery County Educational Service Center
$153,613

Siwecki, Barbara J.
Native American Sculpture
Ohio Arts Council
$4,515

Siwecki, Barbara J.
General Operating Support - Art Galleries
Ohio Arts Council
$4,230

Wenning, Mary V.
Integration of American Humanities (AH) Competencies and Service Learning
Murray State University
$3,000

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
$267,179

College of Science and Mathematics

Agrawal, Abinash
Biological and Geochemical Characterizations of a Wetland Constructed for Bioremediation of Groundwater Contaminated by Chlorinated Ethenes
Air Force Institute of Technology (AFIT)
$45,355

Arlian, Larry G.
Analysis of Enzyme Samples/Dust Studies
Procter & Gamble Company
$50,450

Arlian, Larry G.
Diet and Allergen Production
Iams Company, The
$31,665

Arlian, Larry G.
Allergy Studies
S.C. Johnson Wax
$7,200

Basista, Beth A.
Mathews, Susann M.
Tomlin, James H.
Farrell, Ann M.
West/Central Ohio Center of Excellence in Learning Science and Mathematics (EXCEL Center)
Ohio State University
$125,000

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

Gilkey, Robert H.
Target Detection in Virtual Environments
General Dynamics (formerly Veridian Engineering)
$11,769

Gilpin, Roger K.
Rukunda, Farai
State of Ohio Sludge Program
More Than One Source of Support
$58,780

Gilpin, Roger K.
Measurements of Contaminants in Commercial Herbicide
ATANOR
$14,278

Fossum, Eric
Custom Synthesis of Intermediates for AFX Chromophores
AT&T Government Solutions, Inc.
$44,992

Fox, Jane Lee
Coupled Models of Planetary Thermospheres/ Ionospheres
National Aeronautics and Space Administration
$90,000

Gilpin, Roger K.
Chemical Analysis of Biological Material
State of New York
$7,125
Gilpin, Roger K.
Measurement of Non-Point Toxic Pollutants
City of Honolulu, HI
$3,495

Grasman, Keith A.
Monitoring of Caspian Tern and Herring Gull Productivity and Immune Functions
U.S. Department of Interior, Fish & Wildlife Service
$4,000

Hauser, Ernest C.
Bedrock Depth Determinations Using Seismic Refraction at Planned Tunneling Sites Beneath the Olentangy River, Delaware County, Ohio
BBC&M Engineering
$9,077

Hennessy, Michael B.
Behavioral and Endocrine Effects of a Prison Socialization Program
Kenneth A. Scott Charitable Trust
$11,063

Higgins, Steven R.
Multiscale Reactive Transport in Processes Related to CO2 Sequestration: Nanoscale Dynamics, Upscaling, and Non-Steady State Kinetics
U.S. Department of Energy
$70,993

Klein, Helen A.
Beyond Ethnocentrism: Mapping Cognitive Differences for Mission Enhancement
Ball Aerospace
$23,941

Look, David C.
Materials for High Speed Devices
DoD, Air Force, Air Force Research Laboratory
$246,075

Look, David C.
Center for Advanced Nitride Electronics
University of California
$22,875

Look, David C.
Nanoporous SiC and GaN
Carnegie Mellon University
$19,793

Look, David C.
Hall Effect Measurements
Varian Associates, Inc.
$1,080

Schneider, Tamera
Validation of Quality of Life/Human-Animal Bond Survey
Iams Company, The
$54,958

Shebilske, Wayne L.
Visual Orientation and Spatial Memory: Mechanisms and Countermeasures
National Space Biomedical Research Institute
$44,696

Svobodny, Thomas P.
Mathematical Modeling, Simulation, and Control of Physical Processes
DoD, Air Force Office of Scientific Research (AFOSR)
$30,566

Watamaniuk, Scott N.
Motion Detector Networks for Smooth Pursuit
Smith-Kettlewell Eye Research Institute
$66,659

Watts, Doyle R.
Application of Remote Sensing to the Management of the Control of the Gypsy Moth
Ohio Aerospace Institute
$33,102

Lake Campus

Bryan, Paula K.
21st Century Community Learning Center Program
Mercer County Educational Service
$27,000

Curry-Jackson, Anita E.
Grand Lake/Mercer County Project
Grand Lake/Mercer County Research, Inc.
$30,204

Miller, Julie M.
West Central Ohio Tech Prep Consortium Mini Grant FY03
West Central Ohio Tech Prep Consortium
$10,000

Raj Soin College of Business

Baumhauer, Carol A.
M-SBDC Program Income Account
More Than One Source of Support
$125

School of Graduate Studies

Sanville, Thomas J.
OhioLINK
Ohio Board of Regents
$1,757,098
<table>
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<tr>
<th>Name</th>
<th>Project Description</th>
<th>Funding Source</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Thomas, Jr., Joseph F.</td>
<td>Ohio's Research Challenge - &quot;03-05&quot; Biennium</td>
<td>Ohio Board of Regents</td>
<td>$197,813</td>
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<td>Adineh, Mehdi</td>
<td>Personnel Support for the Wallace-Kettering Neuroscience Institute - Kirbas</td>
<td>Kettering Medical Center</td>
<td>$61,969</td>
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<td>Alter, Sherman J.</td>
<td>Safety and Effectiveness of a New Rotavirus Vaccine</td>
<td>Merck &amp; Co., Inc.</td>
<td>$24,360</td>
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<td>Bernstein, Jack M.</td>
<td>Effectiveness of a Novel Treatment for Serious and Life-Threatening Infections</td>
<td>Cubist Pharmaceuticals, Inc.</td>
<td>$11,000</td>
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<td>Bernstein, Jack M.</td>
<td>Observational, Non-Interventional, Respective Study of Community Acquired Pneumonia</td>
<td>Aventis Pharma</td>
<td>$10,000</td>
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<td>Bernstein, Jack M.</td>
<td>Effectiveness of a Novel Treatment for Pneumonia in Elderly Patients</td>
<td>Bayer Corporation</td>
<td>$9,884</td>
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<td>Binder, Stephen Bruce</td>
<td>Leroy A. Rodgers, MD, Summer Preceptorship Program</td>
<td>Ohio Academy of Family Physicians Foundation</td>
<td>$2,500</td>
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<td>Bonnet, Michael H.</td>
<td>Neurocrine Sleep Consortium Agreement - Transient Insomnia</td>
<td>Neurocrine Biosciences, Inc.</td>
<td>$2,105</td>
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<tr>
<td>Brown, James E.</td>
<td>A PDA-Based Post-Exposure Prophylaxis Tool for Medical Care and Surveillance</td>
<td>Veterans Affairs Medical Center</td>
<td>$25,352</td>
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<td>Brown, Thomas L.</td>
<td>License Agreement for Evaluation of a Diagnostic Indicator - SRL Incorporated</td>
<td>More Than One Source of Support</td>
<td>$2,500</td>
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<td>Cauley, Katherine L.</td>
<td>HealthLink Miami Valley</td>
<td>DHHS, Health Resources and Services Administration</td>
<td>$458,408</td>
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<td>Cauley, Katherine L.</td>
<td>Montgomery County Medicaid Outreach Services</td>
<td>Montgomery County Department of Job and Family Services</td>
<td>$250,000</td>
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<td>Cauley, Katherine L.</td>
<td>Kinship Navigator Program</td>
<td>Montgomery County Children Services</td>
<td>$95,905</td>
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<td>Cauley, Katherine L.</td>
<td>Sinclair Community College Matching Funds 2003-04</td>
<td>Sinclair Community College</td>
<td>$43,766</td>
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<td>Cauley, Katherine L.</td>
<td>Women's Health Month - 2004</td>
<td>Ohio Department of Health</td>
<td>$14,200</td>
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<td>Classen, Mark E.</td>
<td>Expansion of Alliance for Research in Community Health</td>
<td>DHHS, Health Resources and Services Administration</td>
<td>$115,542</td>
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<td>Crosby, Lynn A.</td>
<td>Personnel Support for the Department of Orthopedic Surgery - Mitchell</td>
<td>Zimmer</td>
<td>$35,000</td>
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<td>Crosby, Lynn A.</td>
<td>Torn Rotator Cuff Reattachment</td>
<td>DePuy Products, Inc.</td>
<td>$4,405</td>
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<td>Dean, Jay B.</td>
<td>Professorship of Rural Psychiatry</td>
<td>Ohio Department of Mental Health</td>
<td>$75,000</td>
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<td>Gentile, Julie P.</td>
<td>CCOE: Dual Diagnosis MI/MRDD</td>
<td>Ohio Department of Mental Health</td>
<td>$20,024</td>
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<td>Gillig, Paulette M.</td>
<td>Professorship of Rural Psychiatry</td>
<td>Ohio Department of Mental Health</td>
<td>$20,024</td>
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<td>Lacey, Daniel J.</td>
<td>An Evaluation of the Therapeutic Effectiveness of Hyperbaric Oxygen Treatments on Children with Cerebral Palsy</td>
<td>DoD, Army Medical R&amp;D Command</td>
<td>$926,000</td>
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Laughlin, Richard T.  
Pringle, D. Drew  
Comparison Study - Retrograde/Antegrade Nail  
Zimmer  
$14,000  

Lehrer, Douglas S.  
Wright State University Forensic Psychiatry Fellowship Program  
Ohio Department of Mental Health  
$28,000  

Li, Yingjun  
Stern, Javier E.  
GABAergic Synaptic Function in Hypothalamic Vasopressin Neurons: Contribution to the Physiopathology of Heart Failure  
American Heart Association - Ohio Valley Affiliate  
$39,000  

McDougal, James N.  
Molecular Mechanisms and Modeling of Skin Irritation from JP-8  
DoD, Air Force Office of Scientific Research (AFOSR)  
$180,000  

Moore, Dennis C.  
McCarley, Victor  
Brothers to Brothers/Sisters to Sisters  
DHHS, Substance Abuse and Mental Health Services Administration (SAMHSA)  
$476,230  

Moore, Dennis C.  
PALS Prevention Project 2004 - Preparing for Prevention Education in the Future  
Ohio Department of Education  
$80,000  

Moore, Dennis C.  
Prevention Through Alternative Learning: Violence and Substance Abuse Prevention  
Dayton Public Schools  
$59,125  

Moore, Dennis C.  
Addressing Disability Rehabilitation Issues Among Racial Minorities: A Focus on HIV and/or Substance Use Disorders  
Howard University  
$30,000  

Morris, Mariana  
Wheatly, Michele G.  
US Brazil BioTech Training Consortium (USABRIO)  
U.S. Department of Education, FIPSE  
$62,544  

Morris, Mariana  
Analyses of Plasma Oxytocin  
University of Connecticut  
$7,000  

Organisciak, Daniel T.  
Antioxidants and Retinal Gene Expression Profiles  
Ohio Lions Eye Research Foundation (OLERF)  
$7,000  

Part, Howard  
Dayton VAMC Resident Support  
Veterans Affairs Medical Center  
$4,173,583  

Paul, Cassandra C.  
Baumann, Michael A.  
License Agreement for AML14 and AML14.3D10 Cell Lines  
Pfizer, Inc.  
$10,000  

Reece, Robert  
Reach Out of Montgomery County  
Reach Out of Montgomery County  
$117,036  

Reo, Nicholas V.  
Toxicant Classification by NMR-Based Metabonomics  
ManTech Environmental Technology, Inc.  
$60,464  

Schuster, Richard J.  
NHLBI Cardiovascular Disease Enhanced Dissemination and Utilization Centers  
DHHS, National Heart, Lung, and Blood Institute (NHLBI)  
$149,064  

Schuster, Richard J.  
Physician Obesity Awareness Program (POAP)  
DHHS, National Heart, Lung, and Blood Institute (NHLBI)  
$50,000  

Siegal, Harvey A.  
Wang, Jichuan  
Falck, Russel S.  
Carlson, Robert G.  
Rural Stimulant Use and Mental Health: Services and Outcomes  
University of Arkansas  
$252,757  

Siegal, Harvey A.  
Outreach and Prevention/Intervention  
Montgomery County ADAMH Services Board  
$248,111  

Siervogel, Roger M.  
Czerwinski, Stefan Aleksander  
Towne, Bradford  
Chumlea, W. Cameron  
Demerath, Ellen W.  
Genetic Epidemiology of CVD Risk Factors  
DHHS, National Heart, Lung, and Blood Institute (NHLBI)  
$891,639  

Sun, Shumei S.  
Trial of Alendronate Disodium in Pediatric Gaucher Disease  
Children's Hospital Medical Center (Cincinnati)  
$37,949
Genetic Regulation of Adiposity and Associated CVD Risks

DHHS, National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK)
$548,985

School of Professional Psychology

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

Warfield, Janeece
Child Care Subsidy and Promoting Positive Relationships Program
U.S. Department of Education
$66,632

Winfrey, LaPearl
Mental Health and Deafness Residency Traineeship Program
Ohio Department of Mental Health
$25,000

Winfrey, LaPearl
Pre-Doctoral Training
South Community Mental Health Center
$24,000

Winfrey, LaPearl
Practicum Training
South Community Mental Health Center
$12,000

Winfrey, LaPearl
Practicum Training - Professional Psychology Brief Therapy Program
South Community Mental Health Center
$12,000

Winfrey, LaPearl
Pre-Doctoral Training
Miami Valley Hospital
$8,000

Winfrey, LaPearl
SOPP Student Practicum Training
Montgomery County ADAMH Services Board
$6,000

Winfrey, LaPearl
Practicum Training
Children's Hospital Medical Center (Cincinnati)
$3,000

Universitywide/Miscellaneous

Nord, Douglas C.
Project RENEUUS: Regional Educational Network between the European Union and the United States
U.S. Department of Education, FIPSE
$82,047

Life Sciences Without Boundaries
Leveraging Resources... Converging Interests

Life Sciences Conference to be held in March

The Ohio Valley Affiliates for Life Sciences (OVALS), formed by the University of Cincinnati, University of Kentucky, University of Louisville, and Wright State University, along with the Air Force Research Laboratory, BIO/START, CincyTechUSA, Health Enterprise Network, and Lexington United, invite you to participate in an upcoming conference, “Life Sciences without Boundaries.” This year's conference will focus on opportunities, strategies, and issues related to universities, federal laboratories, and industries working together. Nationally known keynote speakers and presenters will discuss future economic development trends in life sciences and biotechnology and expanding/blending cultures across different types of institutions working in this area. Cutting-edge technologies being developed by the OVALS universities will be presented with a view to their scientific and economic potential. The conference will be held on March 8 and 9, 2004 at the Brown Hotel in Louisville, Kentucky. For more information or details on how to receive a registration packet, please go to http://www.OVALSgroup.org/Conference.shtml or contact Isabelle Gorrilott at ext. 2651.
**Sponsor ALERTS**

**National Science Foundation**

**Revision to Proposal Guide**
The National Science Foundation has published a revision to the NSF Grant Proposal Guide (NSF 04-2) that is effective for proposals submitted on or after October 1, 2003. This revision implements an increase in the threshold for proposals submitted to the Small Grants for Exploratory Research (SGER) Program. The new maximum award is $200,000 (increased from a previous $100,000 maximum). The project's duration will normally be one year, but may be up to two years.

**National Institutes of Health**

**New Policy Guide**
The National Institutes of Health (NIH) announced the publication of the revised NIH Grants Policy Statement (NIHGPS, rev. 12/03). The NIHGPS (12/03) is applicable to all NIH grants and cooperative agreements with budget periods beginning on or after December 1, 2003.

Policy changes that are implemented with the 12/03 NIHGPS include the following:

- Closely related work: the option for grantees to pursue prior approval to account for multiple projects under a single cost objective has been eliminated. NIH will now apply the relatedness provision of OMB Circular A-21 to all NIH recipients which states if a specific cost cannot be reasonably allocated to a specific project, it can be charged to any of the benefiting projects on any reasonable basis.
- Cost transfers: policy now states that transfers of costs from one project to another or from one competitive segment to the next solely to cover cost overruns are unallowable.
- Cost overruns: includes a definition to the glossary that states, "Any amount charged in excess of the Federal share of costs for the project period (competitive segment)."

Public Policy changes that are discussed in the NIHGPS (12/03) include:
- Stem cell research,
- USA Patriot Act,
- Public Health Security and Bioterrorism Preparedness and Response Act of 2002, and
- HIPAA Privacy Rule.

**Program Announcement for Conference Grants**

NIH has issued a new Program Announcement updating guidance on NIH Support for Conferences and Scientific Meetings. There are new receipt dates (December 15, April 15, August 15), and there is a requirement that applicants obtain advance permission before submitting a conference grant application (R13, U13). Please see the OER Website for Conference Grants at http://grants1.nih.gov/grants/funding/r13/index.htm for details and names of contacts.

**Pre-Award NOTES**

**Statistical Consulting Services**
The Statistical Consulting Center (SCC) at WSU is a valuable resource that we recommend researchers take advantage of if their project has a statistical component. The SCC staff can assist you with the following elements of research design:

- formulation of hypotheses
- experimental design
- sample size estimation
- data collection methodology
- methods of analysis
They also provide
- data entry and data management,
- data analysis, and
- interpretation of results.

If you plan to use the services of the SCC for an externally funded project, any pre-proposal consultation is free of charge provided the expense for the work they would do, if and when the project is funded, is included in the proposed budget to the sponsor. Please contact the staff at the SCC directly to obtain any estimates for their services. For further information about the SCC or to set up an appointment, please call them at 775-4205.

According to Dr. Robert Lucas from the Institute of Scholarly Productivity, who was on campus recently to give a proposal writing workshop, one out of five proposals that don’t get funded is rejected because the idea is bad. That means that the other four proposals that didn’t get funded have a good idea but still need some revisions.

Dr. Lucas emphasizes that the area most often needing revision is the method section, and he suggests that two thirds of your preparation time should be spent on this section. Also, be sure to respond to the reviewers’ comments, questions, and suggestions when you resubmit.

Remember, success rates increase with each resubmission!
UPCOMING WORKSHOPS

FUNDING OPPORTUNITIES

A Funding Opportunities Workshop that will show you how to do funding searches from your own computer will be held in 016 Library on February 19, 2004 from 1-2 p.m. This is a hands-on session that focuses on the electronic databases available on the RSP home page including Community of Science (COS) and Sponsored Programs Information Network (SPIN). Registration is limited to the first fifteen participants so that everyone is assured access to a computer. We ask that those wishing to attend register by February 16, 2004.

For additional information or to register, please contact Jackie Frederick by email at jackie.frederick@wright.edu or at ext. 2664.

POST-AWARD TRAINING

A workshop that gives an overview of post-award administration including discussion of monthly Financial Desktop System (FDS) reports, allowable/unallowable expenses, invoicing, effort reporting, cost sharing and audits will be held on May 4, 2004 from 9:30 to 11:30 a.m. For more information and to register, please call ext. 1100 if you would like to attend this workshop.

TECHNOLOGY TRANSFER

A workshop entitled “Intellectual Property Tools, Management and LICensing” is scheduled for 11 a.m. to 1 p.m. in 023N Library on February 25, 2004.

The purpose of this workshop is to discuss how WSU researchers can support one of the key missions of State universities: to drive local economic development. This workshop will address in particular the following topics: invention disclosures, laboratory notebooks, intellectual property protection, agreements and company creation.

Please call Tina Scarberry at ext. 4522 or go to the following website to register online: http://www.wright.edu/ctl/workshops.