Early/Start Augmentation Awards Announced

We are pleased to announce the selection of awardees of the Research Challenge Early Start/Augmentation program. Of 43 proposals submitted, 14 projects were funded for a total of $267,106. 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 2004 call for applications. More information on these awards may be found at our website: www.wright.edu/rsp/internal.html.

<table>
<thead>
<tr>
<th>Name</th>
<th>Department</th>
<th>Project Title</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steven J. Berberich</td>
<td>School of Medicine</td>
<td>Deciphering the MdmX Network: p53, Mdm2, ARF and Beyond</td>
<td>$30,721</td>
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<tr>
<td>Thomas L. Brown</td>
<td>School of Medicine</td>
<td>TGF Beta Induces Labyrinthine Placental Differentiation</td>
<td>16,000</td>
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<tr>
<td>Frank W. Ciarallo</td>
<td>College of Engineering and Computer Science</td>
<td>Augmentation of Innovative Winter Maintenance Material Inventory Management and Processes</td>
<td>15,000</td>
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<tr>
<td>Guozhu Dong</td>
<td>College of Engineering and Computer Science</td>
<td>Toxicity Biomarker Discovery from Microarray Gene Expression Time Series Data Using Data Mining Approaches</td>
<td>22,100</td>
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<tr>
<td>Barbara A. Fowler</td>
<td>College of Nursing and Health</td>
<td>Development and Refinement of an Instrument [Interview Guide] to Determine Factors Related to Mammography Screening in Hispanic/Latino Women</td>
<td>17,886</td>
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<tr>
<td>Brent D. Foy</td>
<td>College of Science and Mathematics</td>
<td>Modeling and Simulation of Complex Biological Networks Using a Systems Mathematics Biology Approach</td>
<td>30,000</td>
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<tr>
<td>David L. Goldstein</td>
<td>College of Science and Mathematics</td>
<td>Freeze-tolerant Amphibian is a Natural Model for Studying the Role of Water and Glycerol Transport in Tissue Freezing</td>
<td>12,000</td>
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<tr>
<td>Dan R. Halm</td>
<td>School of Medicine</td>
<td>Regulation of Secretory Ion Channels in Colonic Crypts</td>
<td>24,516</td>
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<td>James A. Menart</td>
<td>College of Engineering and Computer Science</td>
<td>Computer Modeling of the Discharge Chamber of an Ion Engine</td>
<td>14,000</td>
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<tr>
<td>Mill W. Miller</td>
<td>College of Science and Mathematics</td>
<td>Analysis of Interactions Between Rev and Microtubules</td>
<td>20,000</td>
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<tr>
<td>Brian D. Rigling</td>
<td>College of Engineering and Computer Science</td>
<td>Adaptive Noise Radar Processing Architecture Development</td>
<td>14,900</td>
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<td>Robert W. Ritzi, Jr.</td>
<td>College of Science and Mathematics</td>
<td>Modeling Hierarchical Aquifer Architecture from Centimeter to Kilometer Scales</td>
<td>20,000</td>
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<td>Courtney E.W. Sulentic</td>
<td>School of Medicine</td>
<td>Role of Caspases and Inflammation in Alzheimer’s Disease</td>
<td>17,983</td>
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<td>Xinhui Zhang</td>
<td>College of Engineering and Computer Science</td>
<td>Integrated Production Planning and Workforce Scheduling in Processing Industries</td>
<td>12,000</td>
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</tbody>
</table>
By the time you read this, I will have attended my first meeting as the Wright State University representative to the Council on Governmental Relations (COGR). Virtually all research-intensive universities are members. Up until recently we were not eligible because we didn’t have a large enough portfolio of federally-funded research. Now we do!

COGR meets three times a year in Washington (for a day and a half), and during the intervening periods, calls upon members to review and comment on issues pertaining to the administration of university research. If you are a WSU researcher, you are probably asking, why is this of interest to me? Well, as you know, the paperwork and regulations associated with federal grants and contracts can be quite burdensome, but without the work of COGR and similar organizations, it would be worse, believe it or not.

The folks in D.C. just love to write new laws and regulations—I suppose that’s why they get paid—and more often than not a proposed law or regulation could have unintended negative consequences with respect to what YOU might have to put up with when you get federal funding for your research. Export control is just one obvious example that you may have heard about, and there are myriad others all the time.

So COGR is there to help, but in the background. And now Wright State can aid those efforts.

Bill Sellers

Call for Research Challenge Proposals

Dr. Joseph F. Thomas, Jr, Vice President for Research and Dean of the Graduate School has issued a call for proposals for the Research Challenge Major Collaboration and Infrastructure Grant Program. The purpose of this program is to provide funding to encourage the formation of collaborative research teams and the development of proposals for major external grants and contracts. Copies of the application forms and guidelines, including eligibility information, are available on the RSP web site at http://www.wright.edu/rsp/InternalProp/RC_Collab_Guide.rtf.

The deadline for this program is 5:00 p.m. on April 5, 2005.

The overall Research Challenge Program is supported by the Ohio Board of Regents with a view to helping research universities in the State increase their level of external funding, research activity, and technology development. The Major Collaboration Grant and Infrastructure Program is only one component of the Research Challenge Program.

Community of Science (COS) Provides Access to More Than 23,000 Funding Opportunities

COS, the leading research Web site, also helps you:

- Find Funding
- Identify Collaborators and Competitors
- Publicize Your Research

WSU is a member of COS! To get your free username and password go to http://login.cos.com. For more information, contact Jackie Frederick, ext. 2664 or at jackie.frederick@wright.edu.
AWARDS

The grants and contracts on these pages were awarded from September 2004 through December 2004

**Academic Affairs**

Wagner, Michael
Fausch, Scott A.
*Uniform Commutation Allowance*
DoD, Air Force, AFROTC
$97,315

**College of Education and Human Services**

Bargerhuff, Mary Ellen
Vernooy, Jeffrey A.
*Embodiment Awareness, Mathematics and the Blind*
Virginia Polytechnic Institute and State University
$16,778

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

Bernhardt, Gregory R.
*Project Manager for Expanding the Pool of Qualified Teachers (EPQT)*
Ohio Department of Education
$104,686

Davis, Stephanie
*Capacity-Building Faculty Support Grant FY05*
Ohio Department of Education
$105,000

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

Hansell, T. Stevenson
*Reading Recovery Program FY04-05*
Ohio Department of Education
$66,135

Hansell, T. Stevenson
*Reading Recovery Program FY04-05*
Reading Recovery Council of North America
$4,700

Mathies, Bonnie K.
Doll, Valerie
*Integration of Technology to Support Teaching and Learning in Teacher Preparation Programs in West/Southwestern Ohio*
Ohio Board of Regents
$34,000

Pringle, D. Drew
*Fairborn Carol M. White PEP Grant*
Fairborn City Schools
$21,600

Rusch, Tracy L
Farrell, Ann M.
Reed, Michelle
*Comprehensive, Data-Based Professional Development*
Ohio Department of Education
$54,920

Schatmeyer, Kenneth
*The Reading First - Ohio Center*
Cleveland State University
$75,000

**College of Engineering and Computer Science**

Bayraktaroglu, Burhan
Garber, Fred D.
*Intergovernmental Personnel Agreement - Bayraktaroglu*
DoD, Air Force, Air Force Research Laboratory
$466,524

Bourbakis, Nikolaos G.
Brandeberry, James E.
*Priorities in Graduate Education*
Ohio Board of Regents
$59,629

Gallimore, Jennie J.
*Development of Specifications for an Interactive Aircraft Accident Data Collection and Analysis System*
U.S. Department of Transportation, Federal Aviation Administration
$756

Golshani, Forouzan
*Priorities in Graduate Education (Computer Science)*
Ohio Board of Regents
$83,365

Golshani, Forouzan
*Intelligent Background Elimination in Digital Video*
Johnson Controls, Inc.
$25,000

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.
Goshtasby, A. Ardehshir  
*Segmentation and Registration of MR and CT Spine Images*  
Kettering Medical Center  
$40,000

Grandhi, Ramana V.  
*Simulation Based Research and Development Tools and Processes*  
University of Dayton  
$80,000

Grandhi, Ramana V.  
Penmetsa, Ravi C.  
*Multidisciplinary Design Optimization for High Reliability and Robustness*  
DoD, Office of Naval Research  
$70,000

Hangartner, Thomas N.  
Skipper, Julie A.  
*Evaluation of a Novel Treatment in Patients with Gaucher Disease*  
Genzyme Corporation  
$40,105

Hangartner, Thomas N.  
*Postmenopausal Evaluation and Risk Reduction*  
Pfizer, Inc.  
$3,819

Hartrum, Thomas C.  
*The Extended Development of Real-Time Design Guidelines for Distributed Publishing/Subscribing Systems*  
State University of New York (SUNY)  
$10,000

Hong, Lang  
*Persistent Tracking*  
DoD, Air Force, Air Force Research Laboratory  
$21,000

Mateti, Prabhaker  
*Exploit-Robust Implementation of Protocols*  
Cisco Systems, Inc.  
$37,500

Narayanan, Sundaram  
*Personal Knowledge Base*  
LexisNexis  
$37,437

Narayanan, Sundaram  
Reynolds, David B.  
*Evaluation of Cushion Comfort for Air Force Crew Stations*  
$30,000

Narayanan, Sundaram  
Fendley, Ryan D.  
Golshani, Forouzan  
Premus, Robert  
*Wright State University Certificate Program Focusing on Innovation and Entrepreneurship for High Technology*  
Coleman Foundation, Inc.  
$21,780

Narayanan, Sundaram  
Muller, Amanda C.  
*Diverse Data Fusion, Information Theory, and Evaluation Techniques*  
Anteon Corporation  
$10,000

Quek, Francis  
*Beyond the Talking Head and Animated Icon: Behaviorally Situated Avatars for Tutoring*  
NSF, Miscellaneous  
$122,428

Quek, Francis  
*From Video to Information: Cross-Modal Analysis of Planning Meetings*  
DoD, Maryland Procurement Office  
$75,000

Rigling, Brian D.  
*Operational Analysis of Simulated Urban RFID Data*  
AlphaTech, Inc.  
$35,000

Shaw, Arnab K.  
*Analysis and Characterization of Hyperspectral Images in Urban Combat*  
AlphaTech, Inc.  
$40,000

Siferd, Raymond E.  
*Reconfigurable Architectures for Mobile Joint Tactical Radio Systems (JTRS) for UAVs*  
University of Dayton  
$28,000

Slater, Joseph C.  
*ISAT Government SEIT Structures Reference Designs and Analytical Models*  
Science Applications International Corporation (SAIC)  
$26,915

Srinivasan, Raghavan  
*Continuous Severe Plastic Deformation Processing of Aluminum Alloys*  
U.S. Department of Energy  
$92,012

Thomas, Jr., Joseph F.  
Walsh, Charles  
*Wright Center of Innovation for Advanced Data Management and Analysis*  
Ohio Department of Development  
$11,103,750

Thomas, Scott Keith  
*Thermal Management of Next-Generation Power Electronics for the More-Electric Aircraft Initiative*  
Universal Technology Corporation  
$30,000
Walsh, Charles  
Wright Center of Innovation for Advance Data Management and Analysis Technology (WCI ADMA) Commercialization Initiative  
Montgomery County Commissioners  
$100,000

Walsh, Charles  
Wright Center of Innovation - Corporate Matching Account/LexisNexis  
LexisNexis  
$100,000

Walsh, Charles  
Wright Center of Innovation - Corporate Matching Funds Account  
More Than One Source of Support  
$25,000

Walsh, Charles  
Performance Checks - Sustaining the Focus  
Rack Processing Corporation  
$21,000

Walsh, Charles  
Performance Checks ... Sustaining the Focus  
Lighthouse Technologies  
$12,000

Walsh, Charles  
Administrative Support Services  
Entrepreneur Fund, LLC  
$7,500

Wang, Bin  
Towards Scalable Cost Effective Survivability in Ultra High-Speed Networks  
U.S. Department of Energy  
$81,787

Wolff, J. Mitch  
Gas Turbine Engine Sensor Technologies  
Ohio Aerospace Institute  
$33,500

Wolff, J. Mitch  
Menart, James A.  
Computational Aerothermodynamics  
DoD, Air Force, Air Force Research Laboratory  
$29,000

Wolff, J. Mitch  
Precision Design  
DoD, Air Force, Air Force Research Laboratory  
$25,000

Wolff, J. Mitch  
Ohio Space Grant Consortium Scholars Program  
Ohio Aerospace Institute  
$18,500

Wolff, J. Mitch  
Mawasha, P. Ruby  
Ohio Space Grant Consortium Campus Allocation 2004-05  
Ohio Aerospace Institute  
$4,000

Wolff, J. Mitch  
Mawasha, P. Ruby  
Ohio Space Grant Consortium Scholars Program  
Ohio Aerospace Institute  
$3,000

College of Liberal Arts

Arose, Lisa H.  
Sound Partners for Community Health Program  
Benton Foundation  
$7,500

Dobson, Frank E.  
Student Achievement in Research and Scholarship (STARS)  
Miami University  
$12,810

Dockery, Jane L.  
Profile of the Miami County Economy  
Miami County, Ohio  
$6,814

Dockery, Jane L.  
Hospitality Feasibility Study  
Yellow Springs Community Resources, Inc.  
$5,000

Dockery, Jane L.  
Friends Care Center Strategic Plan  
Friends Care Center of Yellow Springs  
$4,674

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

Jones, Patricia D.  
Ohio Certified Public Manager  
Ohio Department of Administrative Services  
$42,000

Jones, Thomas Davidson  
Professional Telephone Surveying Services  
City of Dayton, Miscellaneous  
$6,662

Jones, Thomas Davidson  
Village of Yellow Springs Citizen Survey  
Village of Yellow Springs, Ohio  
$6,394

Jones, Thomas Davidson  
Central Ohio Transit Authority (COTA) Market Survey  
Lakatos Group  
$978
College of Nursing and Health

Graham, Margaret Clark
*Online Family Nurse Practitioner 1st and 2nd Master's*
DHHS, Health Resources and Services Administration
$216,174

Martin, Patricia A.
*Integration of Excellence in Nursing Education, Research and Service/Practice*
DHHS, Health Resources and Services Administration
$516,684

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

Martin, Patricia A.
*Nursing Institute of West Central Ohio: Database*
Levin Family Foundation
$5,000

College of Science and Mathematics

Agrawal, Abinash
Amon, James P.
*Bioremediation of Chlorinated Ethenes in the Constructed Wetlands at Wright Patterson Air Force Base*
Air Force Institute of Technology (AFIT)
$52,416

Arasu, Krishnasany T.
*Pseudonoise Sequences with Good Correlation Properties*
DoD, National Security Agency
$36,624

Artian, Larry G.
*Dust Mite Culture Media*
More Than One Source of Support
$900

Artian, Larry G.
*House Dust Mite Purity Analysis*
More Than One Source of Support
$200

Basista, Beth A.
Bernhardt, Gregory R.
*Ohio Education Network for Science and Mathematics Education (OHEN)*
Ohio Board of Regents - Title II
$108,350

Bennett, Kevin B.
*Representing Plan Execution in a Dynamic Battlefield Environment*
Micro Analysis and Design, Inc.
$47,150

Brown, Huntting W.
*Environmental Health Sciences Internship Program 2004-05*
Veterans Affairs Medical Center
$6,180

Burton, G. Allen
*In situ Toxicity Testing Materials*
CH2M HILL
$1,658

Carmichael, Wayne W.
*Characterization of Cyanobacteria Secondary Metabolites*
More Than One Source of Support
$59,555

Carmichael, Wayne W.
*Analysis of Water Samples for Cyanobacteria Neurotoxins*
State of Nebraska
$1,050

Cipollini, Donald F.
*Mechanisms and Variation in Ash Resistance to Emerald Ash Borer*
Ohio Plant Biotechnology Consortium
$15,320

Cipollini, Donald F.
*Chemical Ecology of Host-Mediated Systemic Interactions Between Pathogens and Insects in Austrian Pine Over a Fertility Gradient*
Ohio State University
$5,677

Fossum, Eric
*Custom Synthesis of Intermediates for AFX Chromophores Phase II*
AT&T Government Solutions, Inc.
$15,000

Garcia, III, Alfredo J.
Dean, Jay B.
*Effects of Oxygen on Neuronal Activity in the CA1 Hippocampus*
American Physiological Society (The)
$18,000

Gilkey, Robert H.
*Multisource Sound Localization*
General Dynamics (formerly Veridian Engineering)
$12,311

Gilpin, Roger K.
*State of Ohio Sludge Program*
More Than One Source of Support
$48,325

Gilpin, Roger K.
*Measurements of Chemicals Added to XAD-2 Audit Samples*
Eastern Research Group
$14,775

Gilpin, Roger K.
Gilpin, Christina R.
*Measurements of Contaminants in Commercial Herbicide*
ATANOR
$13,170
Gilpin, Roger K.  
Rukunda, Farai  
Gilpin, Christina R.  
*Studies of Selected CDPE in High Throughput Processes*  
Solutia, Inc.  
$11,000

Gilpin, Roger K.  
*Measurements of Contaminants in Chemical Products*  
BASF Corporation  
$5,940

Gilpin, Roger K.  
*Measurement of Non-Point Toxic Pollutants*  
City of Honolulu, HI  
$3,495

Gilpin, Roger K.  
*Chemical Analysis of Biological Material*  
State of New York  
$2,555

Hauser, Ernest C.  
*Geophysical Void Detection*  
U.S. Department of Labor  
$355,773

Higgins, Steven R.  
*Multiscale Reactive Transport in Processes Related to CO$_2$ Sequestration: Nanoscale Dynamics, Upscaling, and Non-Steady State Kinetics*  
U.S. Department of Energy  
$73,217

Lew Yan Yoon, Lok C.  
*CAREER: Topics in Electronic and Optical Properties of Semiconductor Nanostructures*  
NSF, Miscellaneous  
$18,399

Look, David C.  
*Donors, Acceptors, and Traps in AlGaIn and AlGaIn/GaN Epitaxial Layers*  
DoD, Air Force Office of Scientific Research (AFOSR)  
$158,971

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

Look, David C.  
*Hall Effect Measurements More Than One Source of Support*  
$420

Miller, Corey E.  
*HR Chally Center for the Study of Salespersonship: Statistical Support Fall 2004 - Spring 2005*  
HR Chally  
$28,577

Petkie, Douglas T.  
*THz Technology and Molecular Interactions*  
Ohio State University  
$25,600

Schneider, Tamera  
*Validation of Quality of Life/Human-Animal Bond Survey*  
Iams Company, The  
$29,512

Shalin, Valerie L.  
Hutton, Robert J.  
*Understanding Uncertainty to Support Uncertainty Management*  
General Dynamics (formerly Veridian Engineering)  
$28,729

Shebilske, Wayne L.  
*Intelligent Distributed Group and Team Training Systems*  
Texas A & M University  
$143,934

Shebilske, Wayne L.  
*Optimal Training System*  
Aptima, Inc.  
$30,000

Watamaniuk, Scott N. J.  
*Motion Detector Networks for Smooth Pursuit*  
Smith-Kettlewell Eye Research Institute  
$65,221

Wheatly, Michele G.  
*Calcium Homeostasis Modeled on the Freshwater Crayfish Molting Cycle: From Physiology to Molecular Regulation*  
NSF, Research in Undergraduate Institutions  
$28,089

Wheatly, Michele G.  
Mawasha, P. Ruby  
*LSAMP Bridge Program*  
Ohio State University  
$17,400

Wheatly, Michele G.  
*Ohio Space Grant Consortium Scholars Program*  
Ohio Aerospace Institute  
$2,500

Lake Campus

Brewer, Judith E.  
*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.  
$15,620

Miller, Julie M.  
*West Central Ohio Tech Prep Consortium Mini Grant FY04/05*  
West Central Ohio Tech Prep Consortium  
$10,000

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Schumm, Gregory F.
Targeted Training Grant - Qualitec Metal Finishers, Inc.
Lorain County Community College
$2,500

Miscellaneous

Kennedy, Sandra D.
Interactive Training and Development Project 2005
Veterans Affairs Medical Center
$57,200

Schisler, Cindy
Harassment Information Sessions
Supervalu
$3,000

Raj Soin College of Business

Bodey, Michael W.
Ohio SBDC Student Projects.
Edison Materials Technology Center (EMTEC)
$16,640

Olson, Paulette I.
Planning Grant for Study-Abroad Program
Ohio State University
$2,500

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
$192,910

School of Medicine

Adineh, Mehdi
Personnel Support for the Wallace-Kettering Neuroscience Institute - Kibas
Kettering Medical Center
$10,864

Bernstein, Jack M.
Effectiveness of a Novel Treatment for Serious and Life-Threatening Infections
Cubist Pharmaceuticals, Inc.
$27,000

Bernstein, Jack M.
Treatment of Complicated Skin and Skin Structure Infections
Wyeth Research
$9,738

Bernstein, Jack M.
Treatment of Clostridium Associated Diarrhea
Genome Therapeutics Corporation
$4,800

Bernstein, Jack M.
Trevisno, Julian
Findings in Atopic Children with Eczema (FACE) Study
Novartis Pharmaceuticals Corporation
$4,505

Bernstein, Jack M.
Effectiveness of a Novel Treatment for Serious Infections Due to Resistant Gram-Negative Organisms
Wyeth Research
$3,000

Bernstein, Jack M.
Effectiveness of a Novel Treatment for Pneumonia in Elderly Patients
Bayer Corporation
$2,855

Bonnet, Michael H.
Obstructive Sleep Apnea/Hypopnea Syndrome
Cephalon, Inc.
$43,350

Bonnet, Michael H.
Sleep Disorders or Chronic Shift Work Extension Studies
Cephalon, Inc.
$4,986

Cauley, Katherine L.
Montgomery County Medicaid Outreach Services
Montgomery County Department of Job and Family Services
$250,000

Cauley, Katherine L.
AHEC Support
Ohio Board of Regents
$45,182

Choh, Audrey Cheng-Lin
Siervogel, Roger M.
The Genetic Epidemiology of Cardiovascular Reactivity to Physiological Stressors
American Heart Association - Ohio Valley Affiliate
$39,000
<table>
<thead>
<tr>
<th>Name</th>
<th>Project Description</th>
<th>Funded by</th>
<th>Amount</th>
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<tr>
<td>Clasen, Carla</td>
<td>State Diabetes Public Health System Performance Assessment</td>
<td>Ohio Department of Health</td>
<td>$15,000</td>
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<td>Clasen, Carla L.</td>
<td>Ryan White Consortium #4, Needs Assessment Activities and Evaluation for Year 14</td>
<td>Montgomery County Combined Health District</td>
<td>$8,987</td>
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<td>Di Fulvio, Mauricio</td>
<td>Molecular Characterization of a New Phospholipase D Splice Variant in Neutrophils</td>
<td>American Heart Association - Ohio Valley Affiliate</td>
<td>$39,000</td>
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<td>Fyffe, Robert E.W.</td>
<td>Regulation of Spinal Interneuron Input-Output Functions</td>
<td>DHHS, National Institute of Neurological Disorders and Stroke (NINDS)</td>
<td>$289,680</td>
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<td>Gentile, Julie P.</td>
<td>CCOE-MR/DD-ODMR/DD</td>
<td>Ohio Department of Mental Retardation and Developmental Disabilities</td>
<td>$75,000</td>
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<td>Genetile, Julie P.</td>
<td>CCOE: Dual Diagnosis MI/MRDD</td>
<td>Ohio Department of Mental Health</td>
<td>$75,000</td>
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<td>Kadakia, Madhavi P.</td>
<td>Cell Signaling and Silk Research</td>
<td>AT&amp;T Government Solutions, Inc.</td>
<td>$25,000</td>
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<tr>
<td>Lee, Miryoung</td>
<td>Oxidized LDL and its Role in Inflammation and Risk for Cardiovascular Disease</td>
<td>American Heart Association - Ohio Valley Affiliate</td>
<td>$39,000</td>
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<td>Leffak, I. Michael</td>
<td>A Link Between DNA Replication, DNA Repair, and Ovarian Cancer: The Replication Origin Binding Protein DUE-B</td>
<td>Elsa U. Pardee Foundation</td>
<td>$98,434</td>
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<td>McAlearney, John</td>
<td>Health Care Costs Briefing Paper</td>
<td>Health Policy Institute of Ohio</td>
<td>$6,566</td>
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<tr>
<td>Moore, Dennis C.</td>
<td>RRTC on Substance Abuse, Disability, and Employment</td>
<td>U.S. Department of Education</td>
<td>$699,998</td>
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<td>Moore, Dennis C.</td>
<td>Brothers to Brothers/Sisters to Sisters</td>
<td>DHHS, Substance Abuse and Mental Health Services Administration (SAMHSA)</td>
<td>$487,805</td>
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<tr>
<td>Moore, Dennis C.</td>
<td>PALS Prevention Project 2005 - Preparing for Prevention Education in the Future</td>
<td>Ohio Department of Education</td>
<td>$80,000</td>
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<tr>
<td>Moore, Dennis C.</td>
<td>Prevention Through Alternative Learning: Violence and Substance Abuse Prevention</td>
<td>Dayton Public Schools</td>
<td>$59,125</td>
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<td>Morrison, Ann K.</td>
<td>PROF-COMM-ODMH</td>
<td>Ohio Department of Mental Health</td>
<td>$90,511</td>
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<tr>
<td>Organisciak, Daniel T.</td>
<td>Antioxidants and Retinal Gene Expression Profiles</td>
<td>Ohio Lions Eye Research Foundation (OLERF)</td>
<td>$7,000</td>
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<tr>
<td>Parmelee, Dean X.</td>
<td>Team Learning Support</td>
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<td><em>The Epidemiology of Body Mass Index Rebound</em></td>
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**School of Professional Psychology**

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Regional Seminar in Program Funding and Grants Administration for NIH Grants

The National Institutes of Health will be offering a two-day regional seminar on June 23 and 24, 2005 at Purdue University in West Lafayette, Indiana. The seminar will provide information about the NIH funding process, from opportunity identification and application preparation through post-award administration. Presentations are targeted towards researchers new to NIH, post docs and trainees, and research administrators. Opportunities for informal interactions between seminar participants and NIH grants managers, program policy staff, and review staff are incorporated into the program, and such interactions are highly encouraged. Information on the program agenda, registration, and logistics are available at http://www.purdue.edu/research/NIHSeminar/.

WSU Principal Investigators Now Eligible to Use eSNAP for Progress Reports

WSU Principal Investigators are now eligible to use eSNAP for progress reports which qualify as a SNAP (Streamlined Non-competing Application Process) through the NIH Commons (https://commons.era.nih.gov/commons/). This process allows investigators to submit their progress report online. Principal Investigators must have an account to use NIH Commons. If you wish to submit your progress report through the eSNAP process and do not have an NIH Commons account number, please contact Dr. Eugene Hem at ext. 2425 to request an account number. It may take up to two business days for NIH to open the account after it is requested by Research and Sponsored Programs; please make your request well in advance of your progress report due date.

After the account is registered, you will receive an email from NIH with a link to a web site where you can activate the account. After logging in to the NIH commons, you can input and upload information as required. Once the report is complete, it must be released to Research and Sponsored Programs who will then officially submit the report.

NIH Raises Salary Cap on Grants, Cooperative Agreements and Contracts

NIH notice NOT-OD-05-024 provides updated information regarding the salary limitation for NIH grant and cooperative agreement awards and extramural research and development contract awards. Effective January 1, 2005, the Executive Level I salary level increased to $180,100. For a complete salary cap summary and the time frames associated with existing salary caps, go to their website at http://grants.nih.gov/grants/policy/salcap_summary.htm or for the complete notice at http://grants1.nih.gov/grants/guide/notice-files/NOT-OD-05-024.html.

Updated Criteria for Evaluating NIH Research Grant Applications

On October 12, 2004, NIH announced new evaluation criteria for research grant applications received on or after January 10, 2005 (see http://grants1.nih.gov/grants/guide/notice-files/NOT-OD-05-002.html). Beginning with the summer of 2005, reviewers will be instructed to use the updated review criteria highlighted in the notice as the basis for evaluating research grant applications and for assigning a single, global score for each scored evaluation. The score should reflect the overall impact that the project could have on the advancement of science. The emphasis on each criterion may vary from one application to another; and an application need not be strong in all categories to be judged likely to have a major scientific impact. Future RFAs and PAs will incorporate and employ these updated criteria as the basis for evaluating all research applications.

Revised PHS 398 and PHS 2590 Grant Applications Now Available

The new PHS 398 and PHS 2590 grant applications made available in December are currently being accepted by NIH and will be required for any applications or progress reports on or after May 1, 2005. The newly revised instructions and forms with notable changes highlighted are available at http://grants.nih.gov/grants/forms.htm.

Revised Policy on Consortium/Contractual Facilities and Administrative Costs

NIH recently broadened the scope of a policy change (NOT-OD-04-040) on direct cost limitations on solicited applications to apply to all applications involving consortium/contractual facilities.
Limited Submission Procedure

In the Spring 2004 issue of Research News, we issued a call for comments on a draft policy for limited submissions. "Limited submission" proposals are those that have some sort of limitation imposed by the sponsor on the number or type of proposals that an institution may submit in response to a particular RFP. If more than the allowable number of principal investigators intends to submit a proposal to a limited submission program, an internal review process is needed to determine which proposals should go forward. Based on the response to this call for comments, the Office of Research and Sponsored Programs has published the procedure for limited submissions at Wright State University on our website at http://www.wright.edu/rsp/ltd_sub.pdf. We have seen an increase in these types of proposals recently, so we encourage you to review this policy if you find a limited submission funding opportunity that you are considering for application.

Preproposal Contact – Why Bother?

Many beginning grantseekers question the value of engaging in preproposal contacts. So we asked program officers from four federal agencies for their thoughts about the importance of preproposal contact before submitting an application. Here's what they had to say:

- "Prior contact with the Endowment is THE variable that separates grant winners from others."—National Endowment for the Humanities
- "Program officers love to talk to people, sometimes too much. Just call and find out yourself."—National Institutes of Health
- "Ask early, ask often."—National Science Foundation
- "We are open for consultation; you can contact us at any time."—Institute of Museum and Library Services

The bottom line: successful grantseekers understand that spending a few minutes on the telephone with a program officer can save hours of time and effort in developing their proposals.

Sponsor ALERTS

Cont.

and administrative (F&A) costs, regardless of amount of budget or budget format (e.g., modular and non-modular). The change is effective for applications that have submission/receipt dates on or after December 1, 2004.

The original policy change applied only to solicited programs (PAs) and Requests for Applications (RFAs). Notice NOT-OD-05-005 now broadens the policy to include all applications that include a limitation on direct costs. All applications with a limitation on direct costs are to exclude from that limit the facilities and administrative (F&A) costs requested by consortium participants. The F&A costs requested by the consortium will be reflected in the PHS 398 application according to current instructions, and F&A costs awarded under these programs will continue to be awarded under the current practice. However, these consortium F&A costs will not be counted as a direct cost when determining if an applicant is in compliance with a direct cost limitation on a solicited application.

For more information on this policy and the recent changes, please go to http://grants.nih.gov/grants/guide/notices-files/NOT-OD-05-004.html.

Life Sciences Conference to be held March 7 & 8

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, Commerce Lexington, and Louisville Medical Center Development Corporation invite you to participate in their upcoming conference. This year’s conference takes the discussion beyond talking about the importance of regional collaborations and overall strategies for achieving success. The 2005 Conference will have a heavy emphasis on real opportunities currently available for partnerships across academic research institutions, industry, and the Air Force Research Laboratory. There will be expert presentations on how to develop effective collaborative proposals and agreements. Panels will present current scientific initiatives underway at the OVALS research institutions as well as address some of the controversial issues that surround research and industry partnerships. A special highlight will be the opportunity to participate in a guided tour of the Air Force Research Laboratory.

For more information or detail on how to receive a registration packet, go to http://www.ovalsgroup.org/conferences.asp or contact Isabelle Gorrillot at ext. 2651.
This Year again.....

"From Invention To Market"

a technology forum
showcasing WSU’s
most promising inventions
and
applied programs and services

April 7, 2005
10:00 AM - 3:00 PM
Student Union Atrium

with keynote presentation in E156 Student Union:

Robert Gruetzmacher, Ph.D.,
Director, Technology Commercialization
DuPont Company Center for
Collaborative Research and Education
President, TechIAConnect

"The Value of University-Industry Partnerships: the DuPont Model"

Event sponsored by:

Ohio Department of Development

OMERIS
Accelerating Biosciences in Ohio
Transfer of Biological Material: No trivial matter!

The transfer of biological materials among researchers at U.S. colleges and universities has come under increased scrutiny, particularly since the anthrax attacks following September 11. At Wright State University, we have traditionally taken a relatively informal approach in this area, but we now need to begin to institute more formal procedures. So, we are developing policy and procedures for Material Transfer Agreements (MTAs) and hope to finalize these in the near future. In the meantime, the following observations and interim procedures are intended to assist in making the transition from informal to more formal ways of doing things on campus.

What is an MTA, or Material Transfer Agreement?

An MTA is a binding agreement defining the terms and conditions of the transfer between the provider and recipient of the biological material as defined in the agreement. It engages the parties' legal responsibility regarding the use, purpose, handling and disposal of the material that has been lent to WSU, i.e. is not the property of WSU or of the scientist.

When is an MTA required?

Whenever biological material is either sent to a Scientist in another organization, or obtained from a Scientist from another organization, an MTA is almost always required. The requirement for an MTA is not limited to potentially hazardous material!

Why is an MTA necessary for the transfer of Biological Material?

An MTA is necessary for at least three common sense reasons: public health responsibility and safety; respect for the provider of material that is not owned by the recipient but loaned to the recipient; and intellectual property/freedom to conduct research.

Public Health and Safety

Many of the organisms, whether prokaryotic or eukaryotic, used in the course of biological research are considered hazardous in the workplace; and, so they remain when leaving the lab. Our families do not need to be contaminated due to an accidental mishandling and/or disposal of potentially dangerous "bugs."

Thus, an MTA will clearly indicate that the Recipient of the Material is legally responsible for the way the Material is used (i.e., for non-commercial research and for purposes not prohibited by law or endangering the populations' safety), handled (i.e., following a strict biosafety protocol with appropriate transport and storage, not distributing it to those not reporting to the Recipient). Scientist), or disposed (i.e. obeying a strict biosafety protocol to ensure that others, including the community, is not exposed to known, suspected or unforeseen risks).

Respect of Other's Property

As mentioned before, An MTA is not a purchase agreement. It is the written agreement from the Provider of the Material that the requestor is allowed to use this Material for a specific non-commercial purpose. The Material remains the property of the Provider. In today's competitive scientific race, very few scientists would tolerate the biological material that they created ending up in the hands of a competitor or a scientist to whom the Provider did not authorize to have his/her Material. In fact, researchers scrutinize the origin of the biological material described in the Materials and Methods section of scientific articles, especially when the article is published in an area close or directly competing with their own.

Intellectual Property/Freedom to Conduct Research:

In spite of the restrictive appearance of Material Transfer Agreements, they also protect you by spelling out who has ownership rights, for example: "The PROVIDER retains ownership of the MATERIAL, including any MATERIAL contained or incorporated in MODIFICATIONS."

So, if you provide material, it remains yours (assigned to WSU), and you have rights on any Derivative Material that would incorporate your own Material. As a result, if especially the Material is patented, those Derivative Materials (Materials that incorporate your Material in the course of your recipient's research) cannot be the recipient's sole property. Conversely, if you receive Biological Material and its use enables you, for example to identify a new target molecule, the MTA also preserves your property rights to the fruit of your research. In the absence of a patent protecting your discovery, the MTA precludes your provider from patenting it and, thereby, preventing you from even conducting research using your own discovery—which another advantage, by the way, of giving consideration to patenting inventions (defensive patents).

The MTA thus clarifies who owns what, and if the Material is patented, who has the right to use what without infringing the original patent(s). In fact, this is the reason why, when filing a patent for a biological invention, you will be asked to provide the source of every single biological material you used, and the university will have to provide copies of the relevant MTAs. We could also be asked to provide such MTAs at any point of time to an institution upon request of the owner of a particular biological material.
How to obtain a Material Transfer Agreement:

**STEP 1: MTA Request form**
1- www.wright.edu/techtransfer
2- "Step 3: Confidentiality"
3- Click on "Material Transfer Agreement" link in text.
4- Complete form (thoroughly)
5- Send to TTO (Dr. Gorrillot)

**STEP 2- UBMTA**
TTO + Scientist execute Implementing Letter

**STEP 3- TTO->Scientist**
TTO notifies scientist TTO sends copy of exec. IL

**STEP 2- NON-UBMTA**
TTO Negotiates appropriate agreement

**STEP 3- NON-UBMTA**
TTO executes appropriate agreement

**STEP 4- TRANSFER**
Biological Material may be transferred between parties

*Uniform Biological Material Transfer Agreement (UBMTA)*

Standard MTA language provides that "The RECIPIENT and the RECIPIENT SCIENTIST agree that the MATERIAL: [...] (c) is to be used only at the RECIPIENT organization and only in the RECIPIENT SCIENTIST's laboratory under the direction of the RECIPIENT SCIENTIST or others working under his/her direct supervision; and (d) will not be transferred to anyone else within the RECIPIENT organization without the prior written consent of the PROVIDER." Indeed, the biological material is not the property of the Recipient Scientist or organization; therefore, the recipient should always directly supervise its use and should not disseminate the Material within the organization, or of course, outside without requesting authorization from the owner (i.e. the Provider) of the Material. This clause further construes what constitutes proper use and handling of the transferred biological material.

Note that an MTA Request ("MTAReq") is not an MTA. It is a request for the technology transfer officer to proceed with obtaining an MTA. The more complete and accurate the information you provide, the faster you are likely to obtain a green light to either provide or receive biological material. One of the important reasons for using the request form is to allow us to assess the relationship of the proposed transfer to issues that come under the purview of the Institutional Biosafety Committee.

As mentioned earlier, we hope to be issuing final policy and procedure guidance in the near future, after due consultation with affected stakeholders. Be on the lookout for an announcement and posting on the RSP/Tech Transfer website.

For more information on this complex issue, please feel free to contact Dr. Gorrillot at 937-775-2651, or by email at: isabelle.gorrillot@wright.edu.

Isabelle Gorrillot, S.D.

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**RSP's Library**

Research and Sponsored Programs has a small resource library that contains books related to proposal writing. The books listed below are available to faculty and staff and may be checked out upon request.

Donald C. Orlich, *The Art of Writing Successful R & D Proposals*,
Jane C. Belcher, *From Idea To Funded Projects: Grant Proposals That Work*,
Robert Lefferts, *Getting a Grant: How to Write Successful Grant Proposals*
Dorin Schumacher, *Get Funded!: A Practical Guide for Scholars Seeking Research Support from Business*
John H. Behling, *Guidelines For Preparing The Research Proposal*
Liane Reif-Lehrer, *Grant Application Writer's Handbook*
Virginia White, *Grants Proposals That Succeeded*
Robert A. Lucas, *The Grants World Inside Out*
R. Mackenzie, *How to Prepare A Competitive Grant Proposal*
Edmond H. Weiss, *How to Write a Usable User Manual*
Jane C. Belcher, *Ideas: A Process for Development of Ideas*
Lawrence F. Locke, *Proposals That Work: A Guide for Planning Dissertations and Grant Proposals*
Daniel Conrad, *The Quick Proposal Workbook*
Joseph W. Hurst, *The Secrets of Writing Proposals and Winning Government Contracts*
Brian S. Brooks, *Working with Words: A Concise Handbook For Media Writers and Editors*
Notification of Funding Opportunities from Federal Agencies

Many federal agencies have electronic notification services that enable you to subscribe directly to their funding opportunities bulletins. By signing up to receive these electronic notices, you will receive notification of new opportunities as the agencies announce them.

At right is a partial list with the Web addresses of a few funding agencies that offer these e-bulletins. If you are interested in receiving notices from an agency which is not listed here, you might try checking their website to see if they offer this service.

National Aeronautics and Space Administration
http://research.hq.nasa.gov/research.cfm

National Institutes of Health
http://grants1.nih.gov/grants/guide/listserv.htm

National Science Foundation

U.S. Department of Education

U.S. Environmental Protection Agency
http://cfpub.epa.gov/ncer_list/elists