

RESEARCH NEWS

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

Spring/Summer 2010 Vol 41 No 3

201J University Hall Telephone 775-2425

Research Challenge Ohio Third Frontier Grant Recipients



We are pleased to announce the selection of awardees for the Research Challenge Ohio Third Frontier Grant Program. Of 18 proposals submitted, 8 projects were funded for a total of \$212,711.00. The Research Challenge Ohio Third Frontier Grant Program is intended to provide funding to support and improve the effectiveness of basic or applied research that will strengthen the development of proposals by individual

faculty members or collaborative research teams for grant opportunities directly related to the Ohio Third Frontier targeted technology areas. Congratulations to those receiving an award (listed below) from the May 2010 call for applications! More information on this program may be found at our website: <http://www.wright.edu/rsp/internal.html>

<i>PI Name</i>	<i>PI College</i>	<i>Title</i>	<i>Award</i>
Boivin, Gregory Richard T. Laughlin	BSOM	<i>Allograft Assisted Orthopedic Tissue Repair</i>	\$20,000
Dong, Haibo Xiaodong Zhang	CECS	<i>Direct Fuel Injection and Intelligent Control of Small Engines for Air Force and Automotive Industry Application</i>	\$35,000
Markey, Michael Steven J. Berberich	BSOM	<i>Establishment of aCGH Capabilities within the Center for Genomics Research</i>	\$32,961
Mukhopadhyay, Sharmila M.	CECS	<i>Multifunctional Nanomaterials: Cross-Cutting Growth Opportunities in Energy, Environment, and Aerospace Applications</i>	\$16,000
Pavel, Ioana E.	COSM	<i>Engineering SERS-Based Nanosensors for Biotxin and Virus Detection at the Single-Molecule Level</i>	\$18,750
Reo, Nicholas V. Michael L. Raymer	BSOM	<i>Functional Metabolomics for Enhancement of Metabolite Profiling</i>	\$30,000
Sethi, Vikram Mary E. Fendley	RSCOB	<i>Development of a AIT System for Assistive Care Environments (AIT-ACE)</i>	\$30,000
Zhuang, Yan Kuan-Lun Chu	CECS	<i>Deployable Bio-Chemical Sensor and Organic LED Based on Graphene</i>	\$30,000

What's Inside

<i>NOTES from the AVP</i>	<i>Pg. 2</i>
<i>STAFF News</i>	<i>Pg. 3</i>
<i>Sponsor ALERTS</i>	<i>Pg. 4</i>
<i>WORKSHOPS</i>	<i>Pgs. 5 & 6</i>
<i>External Awards</i>	<i>Pg.6</i>

Notes from the AUP

Financial Conflict of Interest

The Department of Health and Human Services (DHHS) has recently published a "Notice of proposed rulemaking" and solicits comments before preparing the final rule on the "Responsibility of Applicants for Promoting Objectivity in Research for which PHS [Public Health Service] Funding is Sought and Responsible Prospective Contractors." The Notice appeared in the May 21, 2010 Federal Register, and comments must be received on or before July 20, 2010. The proposed rule would radically toughen existing financial conflict of interest management and reporting requirements for those grant recipients who receive PHS funds.

The proposed changes will impact WSU. In FY09, WSU faculty successfully competed for nearly \$12M in awards from the DHHS, and the



PHS continues to be one of Wright State's leading federal sponsors. WSU has had a "Conflict of Interest" Policy on the books since 1995, which was the last year in which the PHS and the Office of the Secretary of Health and Human Services published regulations designed to promote objectivity in PHS-funded research. It is hard to believe that 15 years have passed since those regulations were implemented.

As noted in the Federal Register announcement, new scientific discoveries are now being translated from the bench to bedside much more quickly, and the business of research has grown in size and complexity. The collaborations between institutional principal investigators and private industry are also becoming more complex, and these relationships are in-

creasingly under scrutiny by the public. The University has an obligation to ensure objectivity in research, and investigators are responsible for complying with the institution's written Financial Conflict of Interest Policy and for disclosing Significant Financial Interests to the institution.

We anticipate that the proposed changes, which include a reduction of the disclosure limit to \$5,000, the inclusion of SBIR and STTR Phase I applications in the disclosure process, a revised definition of "financial interest," the requirement for investigator training, and a more robust disclosure and management process, among other changes, will be implemented. We will be closely watching the progress of this proposal and making the necessary adjustments to the WSU policy and procedure for managing financial conflicts of interest. While these changes will require additional compliance oversight, the proposed rules give institutions an opportunity to add "transparency" to the important responsibility of safeguarding public funds.

Ellen

Find Funding Sources Using COS

A hands-on session that will provide an introduction to the electronic resources available to faculty and staff for matching research interests with funding opportunities will be held in **043 Millett Hall on Tuesday, August 10, 2010**, from 12-1 P.M. The focus of this workshop is the electronic database available



on the RSP homepage, www.wright.edu/rsp.

Registration is limited to the first 15 participants so that everyone is assured access to a computer.

We ask that those wishing to attend to please register by **Friday, August 6, 2010**. For additional information or to register, please contact Brandy Foster by email at: brandy.foster@wright.edu or by telephone at **ext. 2423**.

RSP Has President's Awards for Excellence Nominee

RSP is thrilled to announce the nomination of Jan Power, Programs Facilitator, for the President's Award for Excellence for Service.

Jan is the kind of person who can juggle feathers in a hurricane. Strong, determined, with Wright State University's future always in mind, she's never afraid to jump in and tackle any challenge head-on. We have watched her manage multiple student employees, coordinate innumerable workshops and events, monitor grant opportunities for faculty, and pull together

the Research News newsletter, all in addition to a never-ending barrage of clerical duties. From her cubicle hidden away from the limelight, in the back of a workshop keeping everything running smoothly, or in the predawn set-up of a major event, Jan manages to keep everyone around her charged up, while being ever-cognizant of the wishes of event organizers.

She has the ability to take charge without taking over. She defers graciously to management. She's genuinely not concerned about who gets credit. Her every

action is truly designed to serve the larger mission. When part of the plan starts to lag, goes awry, or is simply forgotten by everyone else, Jan's the one who will pick up the slack and get things rolling again. The motivation behind her diligence can be heard from her time and again. Whether muttering to herself as she ponders a problem or rushing to smooth out a last minute complication, you'll inevitably hear, "How will this make Wright State look?" Then the event begins and Jan steps quietly into the background as others take the stage.

G
R
A
N
T
S
•
G
O
V

WORKSHOP



Grants.gov is the federal government portal for receipt of electronic grant applications. To assist faculty and staff with the submission of applications through the Grants.gov website, RSP will be offering a Grants.gov training workshop on Tuesday August 24, 2010 from 12:00 p.m. to 1:00 p.m. in 043 Millett Hall.

During this hands-on workshop, we will:

- ✓ take a look at the Grants.gov website,
- ✓ discuss the required software program needed to access the applications,
- ✓ review a sample application, and
- ✓ provide tips on a successful Grants.gov submission.

Registration is limited to the first fifteen (15) participants so that everyone is assured access to a computer. We ask that those wishing to attend please register by Friday, August 30, 2010. For additional information or to register, please contact Brandy Foster by email at brandy.foster@wright.edu or by telephone at ext. 2423.

Sponsor ALERTS

New Limits on Resubmitted Applications



“NIH wants to fund good ideas in the early stage,” said CSR Director Toni Scarpa, explaining why NIH decided to reduce the number of times a researcher can resubmit an application from two times to one time. “NIH will now fund more applications (A0s) the first time.” In the past, most applications funded had been submitted three times. “Many reviewers who served on the Enhancing Peer Review Working Group had asked for this change,” he said, “because it was a burden to reassess essentially the same idea three times.”

Guidance for Applicants

“Applicants need to know they cannot simply change the title or wording of their old applications,” said Scarpa. NIH expects a new application to include substantial changes in all sections of the research plan that represent a significant change in direction and approach. The definition of what constitutes a new application has not changed, but NIH and CSR have posted additional guidance to applicants to explain how NIH determines if an application is a new one (A0) or an unacceptable second submission of a previous application (A2). View on our Web page “How CSR Evaluates

Applications for Overlap or Exceeding Resubmission Limits:”

<http://cms.csr.nih.gov/Resources/forApplicants/>.

The NIH Guide defines the last due date to submit a legal A2 application:

<http://grants.nih.gov/grants/guide/notice-files/not-od-10-080.html>.

Vigilance for Fairness

There are some gray areas and NIH wanted to be fair, so they enlisted staff and software to identify applications submitted as A0s that are not dramatically different from previous applications—A1s or A2s. “We also developed a three level appeal process,” said Scarpa, “so we can consistently address the concerns of applicants who believe their application is significantly different.” The first assessment is made by staff in CSR’s Division of Receipt and Referral. If they cannot make a clear decision or if their decision is appealed, senior CSR staff on our “A2 Committee” are consulted. If the applicant appeals the decision of this committee the case goes to an Arbitration Board with members from across NIH. After this committee reports to Scarpa, he communicates the decision to the applicant. Scarpa said “having these committees review all cases helps CSR make decisions in the gray areas that are not based on one individual’s decision so they are consistent and fair.”

NIH Tells Grantees They’re Expected to Serve

A recent NIH Guide notice “calls upon investigators who have received research grant funding from the NIH to serve on NIH study sections and advisory groups when invited to do so.” The notice explains how the service of such highly qualified scientists is essential for NIH to fund the most promising research.

NIH defines the service expected in two ways. An NIH-funded scientist can meet the service expectation by serving a full, multi-year term (typically 12 meetings) on an NIH chartered study section or advisory council or board. Those who serve in this capacity provide “the foundation and continuity for permanent committees in the NIH review system.” The second way is to participate in at least one review meeting per year, either as a temporary member of a permanent committee or as a member of an ad hoc committee. Those serving in this capacity provide expertise needed to review certain applications or for a special review.

NIH is grateful for the thousands of members of the scientific community who have graciously served when needed, and we will appreciate the future contributions of all those who decide to serve. View the notice at <http://grants.nih.gov/grants/guide/notice-files/not-od-10-089.html>.

Development for Faculty and Staff

The Office of Research and Sponsored Programs is invested in the professional development of Wright State faculty and staff. We offer multiple training opportunities throughout the year. There is no charge for these workshops.

RSP offers the following workshops on a quarterly basis:

Grants.gov: In this informative and interactive workshop, you will learn how to navigate Grants.gov, the portal through which most federal funding programs are submitted, in order to conduct a funding search or download and complete a grant application.

COS Funding Opportunities: In this hands-on workshop, you will register with the Community of Science database, which catalogs over 400,000 funding opportunities, and learn the various techniques for performing a funding search.

RSP offers the following workshops throughout the year (see complete schedule on next page):

Better Budget Justifications: In this session, you can learn how to explain to the sponsor exactly why you need the specific amount of money you are asking for, which is vital to getting funded. This session will help you make your proposals stronger by providing a clear and concise justification. We will illustrate common mistakes to avoid while providing insights to help you write better budget justifications.

Proposal Writing 101: This lecture-style training walks novice grant writers through the process of writing a proposal and covers the basics such as describing the main components of the proposal, where to find funding, proposal writing tips, and budget preparation.

RSP New Faculty Orientation: The comprehensive, 4-hour annual session targets new faculty and introduces them to the complexities of preparing and submitting proposals and administering a grant. It provides a rich overview of all of the services that RSP provides to the campus community.

Is your CAREER on Track?: This special program is geared toward those planning to write an NSF CAREER proposal and covers everything you need to know about what the program officers are looking for in a fundable proposal as well as strategies for writing a successful CAREER proposal.

RCR-Introduction to Responsible Conduct in Research: This workshop is offered to faculty and graduate students who want to learn more about Wright State's policies about the responsible conduct of research. It is one of the components, including Research Misconduct workshops, of WSU's approach to meeting federal guidelines requiring the training of faculty and students working on federally funded research. More information about RCR can be found on RSP's webpage: <http://www.wright.edu/rsp/rcr.html>

SAVE THE DATE!!

*RSP's **New Faculty Orientation** is Wednesday October 27, 9:00AM-12:00PM in E156B & C Student Union. Intended for new faculty AND those just starting in research, this orientation will advise you of the services provided to researchers by the Office of Research and Sponsored Programs.*

RSP UPCOMING WORKSHOPS

For more details contact Brandy Foster at Ext 2423, or brandy.foster@wright.edu

<i>Registration Deadline</i>	<i>Workshop Date</i>	<i>Title</i>	<i>Time</i>	<i>Room</i>
<i>Tuesday, 7/13/10</i>	<i>Thurs., 7/15/10</i>	<i>Proposal Writing 101</i>	<i>noon-1</i>	<i>E163 Student Union</i>
<i>Fri., 8/6/10</i>	<i>Tuesday, 8/10/10</i>	<i>COS</i>	<i>noon-1</i>	<i>043 Millett</i>
<i>Fri. 8/20/10</i>	<i>Tuesday, 8/24/10</i>	<i>Grants.gov</i>	<i>noon-1</i>	<i>043 Millett</i>
<i>Thurs. 9/16/10</i>	<i>Monday, 9/20/10</i>	<i>Introduction to RCR</i>	<i>noon-1</i>	<i>E163 Student Union</i>
<i>Thurs. 9/30/10</i>	<i>Monday, 10/04/10</i>	<i>Research Misconduct</i>	<i>noon-1</i>	<i>E163 Student Union</i>
<i>Tues. 10/12/10</i>	<i>Thursday, 10/14/10</i>	<i>Proposal Writing 101</i>	<i>noon-1</i>	<i>E163 Student Union</i>
<i>Fri. 10/22/10</i>	<i>Wednesday 10/27/10</i>	<i>RSP New Faculty Orientation</i>	<i>9:00-noon</i>	<i>E156 Student Union</i>
<i>Tues. 1/18/11</i>	<i>Thursday, 1/20/11</i>	<i>Better Budget Justification</i>	<i>noon-1</i>	<i>E163 Student Union</i>
<i>Thurs. 1/20/11</i>	<i>Monday, 1/24/11</i>	<i>Introduction to RCR</i>	<i>noon-1</i>	<i>E163 Student Union</i>
<i>Thurs. 2/10/11</i>	<i>Monday, 2/14/11</i>	<i>Research Misconduct</i>	<i>noon-1</i>	<i>365 Joshi</i>
<i>Wednesday, 3/17/11</i>	<i>Mon., 3/14/11</i>	<i>NSF CAREER</i>	<i>noon-1</i>	<i>E163 Student Union</i>

AWARDS

The grants and contracts on these pages were awarded from January 2010 through April 2010

Boonshoft School of Medicine

Alvarez, Francisco J.

*Development of Synaptic Inputs on
Spinal Interneurons*

DHHS, National Institute of
Neurological Disorders and Stroke
(NINDS)
\$310,768

Berberich, Steven J.

*Deciphering How Mdmx Deregulation
Impacts the p53 Pathway*

DHHS, National Cancer Institute
(NCI)
\$215,084

Carlson, Robert G.

Falck, Russel S.

Daniulaityte, Raminta

Nahhas, Ramzi

*Trajectories of Illicit Pharmaceutical
Opioid Use Among Young
Adults in Ohio*

DHHS, National Institute on Drug
Abuse
(NIDA)
\$625,380

Carlson, Robert G.

Falck, Russel S.

*Buprenorphine Post-Marketing
Surveillance*

CRS Associates, LLC
\$4,250

Cauley, Katherine L.

Kinship Navigator Consortium
Montgomery County Children
Services

\$126,641

Cauley, Katherine L.

AHEC Support

Ohio Board of Regents
\$37,001

Cauley, Katherine L.

*Sinclair Community College
Matching Funds: CY2010*

Sinclair Community College
\$32,000

Cauley, Katherine L.

*WMD/Hazmat Protection Training
for Health Professionals
(PROTECT)*

JXT Applications, Inc.
\$21,114

Chen, Yanfang

*Enhancing the SDF-1a/CXCR4
Pathway in EPCs Based Vaso-
Regeneration Therapy for Diabetic
Stroke*

American Diabetes Association -
National
\$103,500

Cope, Timothy C.

*Functional Assemblies of Motor
Units*

DHHS, National Institute of
Neurological Disorders and Stroke
(NINDS)
\$316,491

Di Fulvio, Mauricio

*Role of Na⁺-K⁺-2CL⁻-Cotransporters
in Diabetic Sensory Neuropathy*

American Diabetes Association -
National
\$122,131

Dodge, Robin E.

*Aerospace Medicine Training for
the Era of Moon, Mars, and Be-
yond*

National Aeronautics and Space
Administration
\$430,000

Falck, Russel S.

Carlson, Robert G.

Daniulaityte, Raminta

*Preventing Unintentional
Prescription Drug Poisoning*

Public Health Dayton and
Montgomery County
\$80,000

Gebhart, Mark E.

*Pandemic Influenza Healthcare
Preparedness*

Greater Dayton Area Health Infor-
mation Network (GDAHIN)
\$267,000

Gebhart, Mark E.

*FY07 State Homeland Security
Program (SHSP)*

Ohio Emergency Management
Agency
\$250,000

Gentile, Julie P.

MI/DD Consensus Best Practices
Ohio Department of Mental Health
\$100,000

Gentile, Julie P.

CCOE: Dual Diagnosis MI/DD
Ohio Developmental Disabilities
Council
\$75,000

Gentile, Julie P.

PROF-MR/DD-ODMRDD FY2010
Ohio Department of Mental
Retardation and Developmental
Disabilities
\$30,000

Hamilton, Glenn C.

*Regional Healthcare Preparedness
Grant*
Greater Dayton Area Health Infor-
mation Network (GDAHIN)
\$175,000

Hangartner, Thomas N.

*Colorado Center for Childhood
Liver Disease Research Education,
Etiology, and Treatment of Biliary
Atresia and INH*
University of Colorado
\$108,801

Hangartner, Thomas N.

*Bone Mineral Density in Childhood
Study(BMDCS)*
Clinical Trials & Surveys Corp.
\$10,535

Heffernan, Michael P.

*A Double Blind-Study of Altana
Metronidazole Gel to Metrogel and
Both to a Control for Treatment of
Rosacea*
PharmaNet, LLC
\$900

Hoffmann, Andrea

*Analysis of Integra (TM) Flowable
Wound Matrix Combination
Therapy with Human Adipose
Tissue-Derived Stem Cells for
Advancement of Bone Fracture
Healing*
Integra LifeSciences Corporation
\$26,877

Janz, Timothy G.

*AGS/Hartford Project: Geriatric
Education for Specialty Residents*
American Geriatrics Society (The)
\$20,000

Kozak, Juliusz Ashot

*Regulation of Ca²⁺ Entry Path-
ways by pH and PI (3,4,5)P₃ in
Human T.
Lymphocyte Activation*
American Heart Association - Na-
tional
\$77,000

Markert, Ronald J.

IPA Services - VAMC
Veterans Affairs Medical Center
\$5,000

McAlearney, John

*Ohio Health Care Safety Net Snap-
Shot Proposal: An Investigation of
the Current State of Primary Care
Service Delivery*
Health Policy Institute of Ohio
\$55,603

Moore, Dennis C.

The Mount Olive One-Stop Center
DHHS, Substance Abuse and
Mental Health Services
Administration
(SAMHSA)
\$499,314

Moore, Dennis C.

*Montgomery County, Ohio; Justice
for All Women*
Montgomery County Family and
Children First Council
\$233,092

Organisciak, Daniel T.

*Photoreceptor Cell Survival in
Royal College of Surgeons Rats:
Continued Studies on the Efficacy
of Drug Treatments*
Alcon Laboratories, Inc.
\$99,580

Part, Howard

Dayton VAMC Resident Support
Veterans Affairs Medical Center
\$355,493

Pascoe, John M.

Chumlea, W. Cameron

Forbis, Shalini G.

Spears, William D.

Lee, Miryoung

*Academic Administrative Unit,
Pediatrics*
DHHS, Health Resources and Ser-
vices Administration (HRSA)
\$111,650

Polenakovik, Hari M.

*Program for Adult Care Excellence
(PACE)*
Cystic Fibrosis Foundation
\$27,000

Prayson, Michael J

*Fixation Using Alternative
Implants for the Treatment of Hip
Fractures (FAITH)*
University of Minnesota
\$6,350

Sherwood, Richard J.

Duren, Dana L.

Towne, Bradford

*Genetic Architecture of the Human
Dentognathic Complex*
DHHS, National Institute of Dental
and Craniofacial Research
(NIDCR)
\$669,659

Sulentic, Courtney E.W.

*3'alpha Enhancer Regulation by
AhR and NF-kappaB/Rel Proteins*
DHHS, National Institute of
Environmental Health Sciences
(NIEHS)
\$219,278

Towne, Bradford
Czerwinski, Stefan Aleksander
Genetics of Bone Structure and Metabolism
Southwest Foundation for Biomedical Research
\$48,382

Trevino, Julian J.
Psoriasis Longitudinal Assessment and Registry (PSOLAR)
Centocor, Inc.
\$1,471

Wooley, Dawn P.
Corbett, Adrian M.
Shedding of Virus from Animals Infected with Viral Vectors
American Biological Safety Association
\$15,000

College of Education and Human Services

Bernhardt, Gregory R.
Dayton Region STEM Summit
Montgomery County Educational Service Center
\$5,000

Keener, Catherine D.
Collier, Jacqueline Kay
The Wright Intervention
U.S. Department of Education
\$100,000

College of Engineering and Computer Science

Bourbakis, Nikolaos G.
Chung, Soon M.
Intelligent Model Assisted Sensing System (IMASS) for Fast and Accurate Nuclear Material Interrogation
University of Utah
\$101,142

Dong, Haibo
Computational Analysis of Wankel Rotary Engine Using Direct Injection
L.K. Industries, Inc.
\$50,000

Dong, Haibo
Computational Fluid Dynamic Investigation To Determine the Adequate Fuel Spray Pattern for Optimum Combustion in Rotary Engine
Universal Technology Corporation
\$5,000

Emmert, John M.
Electronic, Optical, and Electro-Optical Materials Research: Mixed-Signal Component Design
University of Dayton
\$25,000

Emmert, John M.
Garber, Fred D.
New Electronic Warfare Specialists Through Advanced Research by Students (NEWSTARS)
MacAulay-Brown, Inc.
\$13,462

Gallimore, Jennie J.
Women Veteran's Health Strategic Health Care Group
Veterans Affairs Medical Center
\$10,000

Gao, Jianbo
Collaborative Research: Quantifying Predictability in Nonlinear Multiscale Systems with Applications to Tropical Cyclone Prediction
NSF, Miscellaneous
\$132,903

Grandhi, Ramana V.
LSP for Reliable Fatigue Life
General Dynamics Information Technology, Inc.
\$93,000

Grandhi, Ramana V.
Collaborative Center in Multidisciplinary Sciences (CCMS)
Virginia Polytechnic Institute and State University
\$66,563

Hitzler, Pascal
Surrogate Experts
Lockheed Martin
\$20,000

Hong, Lang
Unmanned Ground Vehicle (UGV) Sensing and Control
MRLets Technologies, Inc.
\$100,000

Huang, George
Computational Optimization of Solid Oxide Fuel Cell (SOFC) Designs
DoD, Air Force, Air Force Research Laboratory (AFRL)
\$30,000

Huang, George
Shang, Joseph J.S.
Menart, James A.
A Joint WSU/AFRL Center for Advanced Power and Energy Conversion Research (CAPEC)
DoD, Air Force, Air Force Research Laboratory (AFRL)
\$20,000

Johnson, April L.

Rupp, Cara C.

Wolf, Bradley D.

Hong, Lang

*RCAD: Radar Collision Avoidance
Detection*

Ohio Aerospace Institute

\$4,805

Liu, Yan

*Data Mining, Simulation, and
Optimization of Service Centers*

OpSimplex LLC

\$33,695

Menart, James A.

*Computer Tool for Ground Source
Heat Pump Cost Analysis*

U.S. Department of Energy

\$232,596

Menart, James A.

*Next-Generation Ion Thruster De-
sign Tool to Support Future Space
Missions*

Tech-X Corporation

\$30,000

Mukhopadhyay, Sharmila M.

*A Molecular Modeling Approach
To Predicting Elastic and Failure
Behavior of Thermosetting Polymer*

DoD, Air Force Office of Scientific
Research (AFOSR)

\$150,000

Narayanan, Sundaram

Open Innovation

Wright Brothers Institute, Inc.

(The)

\$125,838

Narayanan, Sundaram

*Research Hadoop: A Parallelized,
Highly Scalable Cluster Computing
Framework*

SIRSAI, Inc.

\$12,334

Narayanan, Sundaram

Scenario-Based Training Research

Center for Operator Performance

\$1,850

Narayanan, Sundaram

*Operations Support Center (OSC)
of Tec^Edge*

Wright Brothers Institute, Inc.

(The)

\$1,464

Penmetsa, Ravi C.

*Risk-Based Design of Air Vehicle
Structures*

University of Illinois

\$29,513

Raymer, Michael L.

Ohio Consortium for

Bioinformatics

Ohio University

\$42,309

Ren, Saiyu

*AF073-074 Multi Channel RFASIC
for Handheld GPS Receiver Anti
Jam Enhancement*

RBS Technologies, LLC

\$132,959

Rigling, Brian D.

*Collaborative Center for
Surveillance Research*

NSF, Miscellaneous

\$55,000

Rigling, Brian D.

Cognitive Radio Co-Existence

*Analysis and Interference Impact
Study*

MacAulay-Brown, Inc.

\$48,000

Sheth, Amit

*Semantics and Services Enabled
Problem Solving Environment for
Trypanosoma cruzi*

DHHS, National Heart, Lung, and
Blood

Institute (NHLBI)

\$373,486

Speranza, Nicholas A.

Smith, Daniel L.

Mash, Eli D.

Hartrum, Thomas C.

CEG 498 Senior Design Project

Ohio Aerospace Institute

\$1,860

Votaw, Zachary S.

Dong, Haibo

Martin, Richard

Benthara, Asela

Harp, Adam

Jett, Conrad

*Design of a Bio-Inspired Flapping-
Wing Micro Air Vehicle Actuator*

Ohio Aerospace Institute

\$2,200

Wu, Zhiqiang

*Research of Multi-Function Soft-
ware Defined Architecture-Based
Cognitive*

Electronic Warfare Technology

MacAulay-Brown, Inc.

\$51,247

Young, Henry Daniel

DfR Solutions Testing

DfR Solutions LLC

\$4,000

College of Liberal Arts

Dockery, Jane L.

*Data Strategy for the Office of Eco-
nomic Advancement: Ohio Board
of Regents*

Ohio Board of Regents

\$27,528

Dockery, Jane L.
Communities Learning in Partnership: Data, Research, and Planning Support
Sinclair Community College
\$25,000

Dockery, Jane L.
Research to Discern Lifestyle Similarities and Differences Between the City of Bellbrook and Sugar-creek Township
City of Bellbrook - Sugarcreek Township Merger Study Commission
\$2,760

Dockery, Jane L.
City of Piqua City Council Retreat
City of Piqua, Ohio
\$920

Jones, Thomas Davidson
City of Dayton Public Survey
City of Dayton, Miscellaneous
\$24,346

Jones, Thomas Davidson
Hocking County Health Department Community Health Assessment 2010
Hocking County Health Department
\$14,781

Jones, Thomas Davidson
City of Middletown: Survey Proposal 2009/2010
Middletown Promise, Inc.
\$6,974

Jones, Thomas Davidson
The Strategy Team, Ltd.: Pittsburgh, Pennsylvania Survey
Strategy Team, Ltd. (The)
\$6,942

Jones, Thomas Davidson

SOCHE Internship Survey and Focus Groups
Southwestern Ohio Council for Higher Education (SOCHE)
\$1,086

College of Nursing and Health

Cherrington, Candace C.
Pre-Licensure RN Nurse Education Grant
Ohio Board of Nursing
\$200,000

Lovell, Mariann C.
Improving Colonoscopy Completion Rates Using a Nurse as Screening Navigator: A Pilot Program
American Cancer Society - Ohio Division
\$9,604

Martin, Patricia A.
Miami Valley Hospital Operating Agreement
Miami Valley Hospital
\$180,000

Sampsel, Debi
Multi-Dimensional Visualization of Layered Sensor Technologies
Science Applications International Corporation (SAIC)
\$8,000

College of Science and Mathematics

Appova, Aina K.
Farrell, Ann M.
Tosa, Sachiko
Implementing Lesson Study and Measuring Its Impact on Teacher Development
Ohio Department of Education
\$81,884

Arasu, Krishnasany T.
Signal Designs via Combinatorial Designs
DoD, Air Force Office of Scientific Research (AFOSR)
\$48,674

Arlian, Larry G.
Morgan, Marjorie S.
Scabies: Biology, Culture, Host Specificity, and Antigens
DHHS, National Institute of Allergy and Infectious Diseases (NIAID)
\$307,555

Arlian, Larry G.
Morgan, Marjorie S.
Indoor Allergen Analysis
S.C. Johnson & Son, Inc.
\$35,358

Arlian, Larry G.
Laundry Sample Analysis
Procter & Gamble Company
\$3,500

Basista, Beth A.
Tosa, Sachiko
Schen, Melissa S.
Tomlin, James H.
Appova, Aina K.
Physical Science, Life Science, and Math Professional Development Project for Grades 4-12 Teachers
Ohio Board of Regents
\$185,379

Basista, Beth A.
West Central Ohio Center of Excellence in Learning Science and Mathematics (EXCEL Center)
Ohio State University
\$32,730

- Brown, Elliott**
Characterization of Silicide-Silicon Schottky Rectifiers in the THz Region
University of Texas
\$33,000
- Claffin, Jr., Bruce B.**
AIRME Onsite Support
University of Dayton
\$273,141
- Claffin, Jr., Bruce B.**
Characterization of Electronic Device Materials
University of Dayton
\$59,790
- Deibel, Jason A.**
2010 Marsh White Award
American Institute of Physics
\$130
- Farrell, Ann M.**
Tosa, Sachiko
Appova, Aina K.
Lesson Study: Research on Teaching and Learning
Ohio Board of Regents - Title II
\$100,988
- Feld, William A.**
Single Ion Conducting Solid-State Lithium Electrochemical Technologies
University of Dayton
\$20,000
- Gilkey, Robert H.**
Multisensory Processing Research
Ball Aerospace
\$36,580
- Gilpin, Roger K.**
State of Ohio Sludge Program
More Than One Source of Support
\$18,300
- Hennessy, Michael B.**
Site-Specific CNS Stimulation of Depressive Symptoms and Proinflammatory Activity
Hope for Depression Research Foundation, Inc.
\$55,000
- Higgins, Steven R.**
Kinetic Complexity of Mineral-Water Interface Reactions Relevant to CO₂ Sequestration: Atomic-scale Reactions to Centimeter-Scale Processes
U.S. Department of Energy
\$110,552
- Kenyon, Lisa Orvik**
A Learning Progression for Scientific Modeling
Northwestern University
\$17,596
- Koenig, Kathleen**
Science Learning and Scientific Reasoning
Ohio State University
\$74,199
- Kozlowski, Gregory**
Patel, Jay N.
Growth and Characterization of Graphene and Other Carbon Nanostructures on SiC
Dayton Area Graduate Studies Institute (DAGSI)
\$5,079
- Krane, Dan E.**
Simons, Michael J.
The Relationship Between Decreasing Amounts of Template DNA and the Stochastic Effects Exhibited To Determine a RFU Threshold
Forensic Bioinformatics Services, Inc.
\$9,459
- Lavretsky, Phillip**
Peters, Jeffrey L.
Sampling Ohio's Black Duck Population
Ohio Waterfowl Association
\$750
- Look, David C.**
Conduction in Thin Films of ZnO for Electronic Applications
DoD, Air Force Office of Scientific Research (AFOSR)
\$109,934
- Look, David C.**
Hall Effect Measurements
More Than One Source of Support
\$2,100
- Lunsford, Suzanne K.**
Electroanalytical Inquiry-Based Modular Sensor Development
Ohio State University
\$790
- Nagy, Allen L.**
Enabling Representation of Meta-Information in Net-Centric Environments
Charles River Analytics Inc.
\$47,500
- Petkie, Douglas T.**
Skipper, Julie
Naval Force Protection Research Standoff THz
CACI Technologies, Inc.
\$61,234
- Ritzi, Jr., Robert W.**
Dominic, David F.
High-Performance Computing to Evaluate Hierarchical Heterogeneity Paradigms in Sedimentary Aquifer Systems
NSF, Grants for Scientific Research
\$50,948

Ritzi, Jr., Robert W.

*Ground Water Protection Program
2010*
Cemex
\$24,751

Shebilske, Wayne L.

Vernooy, Jeffrey A.

*Precollege Assessment and
Training*
Ohio Rehabilitation Services Commission
\$431,729

Shebilske, Wayne L.

*Research and Analytical Support
for the 711th HPW Human Effectiveness
Directorate*
DoD, Air Force, Air Force Research
Laboratory (AFRL)
\$110,000

Slattery, William

Lunsford, Suzanne K.

*Science Teaching for Ohio's New
Economy (STONE)*
Ohio Board of Regents - Title II
\$40,880

Lake Campus

Miller, Julie M.

Western Ohio Training Consortium
Edison Community College
\$8,000

Raj Soin College of Business

Baumhauer, Carol A.

*Small Business Development
Center*
Ohio Department of Development
\$350,500

Evans, Michael R.

Snow, Chad D.

Future Jobs Internship
Clark State Community College
\$4,000

Jeyaraj, Anand

*Trial, Adoption, Usage, and
Diffusion of Social Media*
Air Force Institute of Technology
(AFIT)
\$13,900

Munch, James M.

Emerging Leaders Program
Speedway SuperAmerica LLC
\$56,000

Williams, Scott

*Composite Coil Springs Market
and Competitive Study*
Development Projects, Inc.
\$7,500

Williams, Scott

*Savoodle Market Study and Strat-
egy Consultation*
Development Projects, Inc.
\$7,500

Williams, Scott

*Tec^Edge Open Innovation Market
and Competitive Study*
Wright Brothers Institute, Inc.
(The)
\$7,500

Williams, Scott

*Commercialization Plan
Workshops*
Shumsky Enterprises
\$4,750

**School of Professional
Psychology**

Waller, Celeste M

2010 Domestic Violence Program
Montgomery County Sheriff's
Office
\$10,800

Winfrey, LaPearl L.

*SOPP Post Doc: Eastway Behav-
ioral Healthcare*
Eastway Behavioral Healthcare
\$32,250

Winfrey, LaPearl L.

*SOPP Practicum Training:
Todd Walker, Psy.D.*
Todd F. Walker, Psy.D.
\$4,667

Yung, Betty

*REEP: Research and Evaluation
Enhancement Program*
Ohio Commission on Minority
Health
\$75,000

Student Affairs

Martinsen, Michael Q.

*Wright State University Police
Department Taser Project*
Ohio Governor's Office of Criminal
Justice Services
\$5,896

Martinsen, Michael Q.

Ohio Peace Officer Training
Ohio Office of the Attorney
General
\$380

Vernooy, Jeffrey A.

Myers, Katherine L.

*Personal Assistance Station and
Technology Center*
Ohio Rehabilitation Services
Commission
\$166,078

Universitywide

Kennedy, Sandra D.

*Highly Interactive, Customized
Programs for the Dayton Veterans
Affairs Medical Center*
Veterans Affairs Medical Center
\$11,100

Kennedy, Sandra D.
Professional Development Workshops for the Dayton VA Veterans Affairs Medical Center
\$5,400

Kennedy, Sandra D.
Skill Development for HRMS Professionals: Professional Presentation Skill and Practice
Veterans Affairs Medical Center
\$2,700

Penick, Jennifer L.
PELL Grant Program 09/10
U.S. Department of Education
\$5,111,798

Ralston, Keith
Personnel Agreement - Kent
Southwestern Ohio Council for Higher Education (SOCHE)
\$13,533

Ulliman, Jeff
Federal Stimulus Funds - Main Campus
Ohio Board of Regents
\$3,775,527

Ulliman, Jeff
Federal Stimulus Funds - Lake Campus
Ohio Board of Regents
\$108,249

VP for Curriculum and Instruction

Howard, Lillie
Flach, John M.
STEM Degrees and Careers for Ohioans with Disabilities, Including Veterans: COF Scholarships in Support of the NSF Funded Regional Alliance in Disability
Ohio Board of Regents
\$247,899

VP for Research and Graduate Studies

Fendley, Mary E.
Gleason - M&M Precision Systems Engineering Support
Gleason M&M Precision Systems
\$17,250

Fendley, Mary E.
SOCHE Proposal Support
Southwestern Ohio Council for Higher Education (SOCHE)
\$2,000

Janning, Larry
"Arrow" Micro Air Vehicle Research and Prototyping
Defense Research Associates, Inc.
\$400,000

Miller, Aaron N.
Wysong, Mark
Text Based Data Mining
Center for Operator Performance
\$37,000

Miller, Aaron N.
Rhino Corps Research and Project Support
Rhino Corps, LTD
\$2,937

Sanville, Thomas J.
OhioLINK
Ohio Board of Regents
\$1,608,328

Sanville, Thomas J.
Libraries Connect Ohio Resources Sharing Project
State Library of Ohio
\$75,000

Wysong, Mark
InfoSciTex - ATEA Task Order 0005
InfoSciTex
\$175,000

Wysong, Mark
InfoSciTex - ATEA Task Order 0004
InfoSciTex
\$86,500

Wysong, Mark
711 HPW Mission Support Services
Peerless Technologies Corporation
\$0

We congratulate those receiving external funds and encourage those with unfunded proposals to consult with us about resubmission.

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

STAFF Information

Office of the Vice President for Research and Graduate Studies

Vice President for Research

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

Administrative Support Coordinator Research and Graduate Programs

Diane Hamilton diane.hamilton@wright.edu

Office of Research and Sponsored Programs

Assistant Vice President for Research

Ellen Reinsch Friese ellen.friese@wright.edu

Director, Pre Award

Jackie A. Frederick jackie.frederick@wright.edu

Director, Post Award

Glen Jones glen.jones@wright.edu

Associate Directors

Yun Wu yun.wu@wright.edu

Brandy Foster brandy.foster@wright.edu

Assistant Directors

Marianne Shreck marianne.shreck@wright.edu

Sheila Bensman sheila.bensman@wright.edu

Grants Accountant 2

Danielle Booth danielle.booth@wright.edu

Grants Accountants

Gene Florkey gene.florkey@wright.edu

Elaine Davis elaine.davis@wright.edu

Aja Ash aja.ash@wright.edu

Kim Owens kim.owens@wright.edu

Administrative Coordinator (IRB)

Robyn Wilks, CIM robyn.wilks@wright.edu

Programs Facilitators

Cheryl Nickoson cheryl.nickoson@wright.edu

Christine Piekkola christine.piekkola@wright.edu

Jan Power rsp@wright.edu

Program Coordinator

Jodi Blacklidge jodi.blacklidge@wright.edu

Undergraduate Assistants

Olivia Woodruff

Jennifer Schmidt

Andrianna Martin