

# RESEARCH NEWS

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

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201J University Hall Telephone 775-2425

## Winners Announced for Research Initiation and Professional Development Grants

The Wright State University Research Council recently convened to review submissions to its 2011 competition for the Research Initiation and Professional Development Grant Program. The Council received 30 quality proposals for funds to support new lines of research, as well as diverse scholarly activities and professional renewal. The Research Council would like to extend their congratulations to the 14 new awardees:

### Research Initiation

|                           |  |          |
|---------------------------|--|----------|
| Volker Bahn (COSM)        | <i>Automated Bird Monitoring and Song Analysis</i>   | \$10,000 |
| Rosemary Eustace (CONH)   | <i>Conducting a Needs Assessment for an International Collaboration on HIV/AIDS Prevention Intervention in Tanzania</i>                | \$9,940  |
| Allison Fernander (SOPP)  | <i>Assessment of Needs in the Pediatric Primary Care Community: Toward Integrated Pediatric Primary Care</i>                           | \$7,800  |
| Chad Hammerschmidt (COSM) | <i>Phosphorus Inputs to Grand Lake Saint Mary's, Ohio</i>  | \$9,948  |
| Anand Jeyaraj (RSCOB)     | <i>Information Systems for Enabling Supply Chain Visibility</i>  | \$9,750  |
| David Ladle (BSOM)        | <i>The Role of Sensory Afferent Activity in the Formation of Sensory-Motor Circuits of the Spinal Cord</i>                             | \$10,000 |
| Karen Wonders (CEHS)      | <i>The Effect of a Home-Based Exercise Program on Symptoms of Chemotherapy-Induced Peripheral Neuropathy in Breast Cancer Patients</i> | \$9,532  |

### Professional Development

|                          |   |         |
|--------------------------|---|---------|
| Detrice Barry (CONH)     | <i>Virtual Simulations for Nursing Education and Research</i>                                   | \$3,000 |
| Hank Dahlman (COLA)      | <i>Collegiate Chorale Video Project</i>   | \$3,000 |
| Rosemary Eustace (CONH)  | <i>A Planning Visit for the Global Health Service Learning Elective Course in Tanzania</i>      | \$3,000 |
| Greg Homan (LC)          | <i>Global Agriculture</i>   | \$3,000 |
| Laura Leuhrman (COLA)    | <i>Disability and Accessibility: Political, Legal, and Educational Contexts in Modern China</i> | \$3,000 |
| Noeleen McIlvenna (COLA) | <i>Finally Free Georgia!</i>  | \$3,000 |
| Janeece Warfield (SOPP)  | <i>Play Therapy Certification</i>   | \$2,960 |

### What's Inside

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# Notes from the AVP:



## University Conflict of Interest Policy Receives a Facelift

In anticipation of proposed changes to federal regulations regarding financial conflict of interest, individuals in Research and Sponsored Programs and the members of the Research Council worked closely with a consultant to revise the WSU Conflict of Interest Policy. The original policy was approved in 1995, and while good for its time, eventually lost some relevance with a changing research environment. The driver of these proposed changes, the Department of Health and Human Services, noted in its announcement in the May 21, 2010 Federal Register that

*"the growing complexity of biomedical and behavioral research; the increased interaction among Government, research institutions, and the private sector in attaining common public health goals while meeting public expectations for research integrity; as well as increased public scrutiny, all have raised questions as to whether a more rigorous approach to Investigator disclosure, management of financial conflicts, and Federal oversight is required."*

We are pleased to report that the efforts of individuals on campus resulted in the approval of the document, now officially called "Research Conflict of Interest and Financial Disclosure Policy," and noted as Policy no. 1107 in the "Wright Way Policy and Procedures."

All "Investigators," defined as "persons involved in the design, conduct, or reporting of research," will be required to complete a Conflict of Interest Disclosure. A process for instituting annual disclosures is evolving, but "transactional" disclosures, typically done at the time of proposal routing, will continue to be the norm. The familiar "Conflict of Interest Statement," sent with routing materials and printed on blue paper, will be replaced with an unfamiliar, but still blue, "WSU Financial Interest Disclosure" in two varieties: Form A and Form B. Completion of Form A will be required of all Investigators; any affirmative responses to questions on Form A will trigger the necessary completion of Form B. In keeping with the proposed federal regulations, Policy 1107 incorporates some significant updates to

the WSU disclosure process. The threshold for disclosure has been lowered from \$10,000 to \$5,000 and it now requires disclosure for applications submitted for Phase I Small Business Innovation Research (SBIR) and Small Business Technology Transfer (STTR) grants. The policy establishes two levels of review for financial disclosures, depending on the complexities of the research endeavor. When necessary, a "Management Plan" will be created in order to manage, reduce, or eliminate the conflict.

We have started to build a website to provide information to the WSU community, and we welcome you to visit it at: <http://www.wright.edu/rsp/coi.html> The site currently includes links to Wright Way Policy no. 1107, the proposed federal regulations, the aforementioned disclosure forms, and a list of "Frequently Asked Questions." We anticipate comments and questions as we move forward with compliance and will do our utmost to make this an easy transition.

Ellen

# STAFF NEWS

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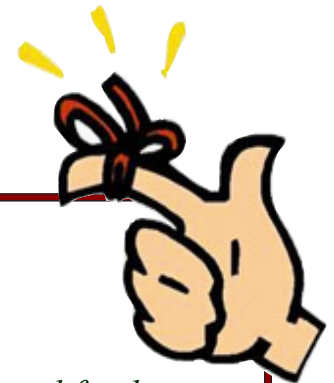
In May, Deborah Lundin joined the Pre Award staff as our new Associate Director. She comes to RSP from the College of Arts

and Sciences at the University of North Carolina at Pembroke where she served as Associate Dean for Research, bringing with her over ten years of experience in grants development and pre award services. She earned her Bachelor of Arts degree in history from Millikin University, her Master of Arts degree in history

from Ball State University, and her Doctor of Education from Ball State University. She will be the Pre Award contact for all schools/colleges and non-academic departments, except: College of Engineering and Computer Science, Boonshoft School of Medicine, College of Science and Mathematics, and College of Liberal Arts. Deborah replaces Brandy Foster, who rejoined the College of Engineering and Computer Science as Associate Director of Technical Communications.

RSP's Pre Award Director, Jackie Frederick, continues to serve as the contact for the College of Engineering and Computer

Science, and oversee the Research Incentive Program. Assistant Director Marianne Shreck is the point of contact for Pre Award services to all departments in the College of Science and Mathematics, the College of Liberal Arts, and the Boonshoft School of Medicine's Department of Community Health (except Healthy Communities). Assistant Director Sheila Bensman serves as the RSP Pre Award contact for all departments within the Boonshoft School of Medicine, except the Department of Community Health (exception not including Healthy Communities).



## RSP Orientation Seminar 2011

*Are you new to Wright State University or new to the world of extramural funding? Are you a veteran Wright State faculty or staff member re-entering the world of extramural funding?*

On **Thursday, October 20**, the Office of Research and Sponsored Programs will conduct an Orientation seminar for ALL interested faculty and cover such topics as guidance on locating funding for research, information regarding internal funding programs, instructions on the WSU proposal submission process, and advice on compliance issues. The Research and Sponsored Programs Orientation seminar will be in **E156A/B Student Union (Endeavor Room)**. Please mark your calendar and look for details in our fall issue of *Research News*.

**DON'T FORGET! SAVE THE DATE!**

## *NSF and Data Sharing: Submitting A Management Plan With Your Proposal*

Beginning with all proposals submitted to the National Science Foundation on or after January 18, 2011, investigators are now required to submit a description of how they plan to share with other researchers “the primary data, samples, physical collections, and other supporting materials created or gathered in the course of work under NSF grants.” The description, to be labeled “Data Management Plan,” should be no longer than *two pages* and be placed in the Special Information and Supplementary Documentation section of a proposal. These two pages do not count toward the fifteen-page limit for the Project Description, nor are they considered an Appendix attachment. **Fastlane will not allow submission of a proposal that is missing a Data Management Plan.** While supplemental to the proposal, note that this document will be reviewed as *integral* to the project and be reviewed as part of the project’s Intellectual Merit or Broader Impacts.

According to the current NSF Grant Proposal Guide (GPG II.C.2.j, January 2011)

the Data Management Plan should conform to the NSF policy on dissemination of research results (see [AAG VI.D.4](#) for details) and may include:

- the types of data, samples, physical collections, software, curriculum materials, and other materials to be produced in the course of the project;
- the standards to be used for data and metadata format and content (where existing standards are absent or deemed inadequate, this should be documented along with any proposed solutions or remedies);
- policies for access and sharing including provisions for appropriate protection of privacy, confidentiality, security, intellectual property, or other rights or requirements;
- policies and provisions for re-use, re-distribution, and the production of derivatives; and
- plans for archiving data, samples, and other research products, and for preservation of access to them.

When developing a Data Management Plan for your project,

keep in mind the following caveats:

1. If your project’s RFP does not include specific instructions in regard to Data Management Plan development, default back to the instructions included in the current NSF Grant Proposal Guide.

There are some NSF units (Directorates, Offices, etc.) that have established data management requirements, and they are available at:

<http://www.nsf.gov/bfa/dias/policy/dmp.jsp>.

2. Collaborative proposals and those that include subawards are considered a single, unified project, which means that only one combined Data Management Plan needs to accompany the proposal. Proposals for supplementary support to an existing award are not required to include a Data Management Plan.
3. A valid Data Management Plan may include only the statement that no detailed plan is needed, as long as the statement is accompanied by a clear justification. Proposers who feel that the plan cannot fit within the supplement limit of two pages may use part of the fifteen-page Project Description for additional data management information.





## New Rates for Fringe Benefits, F & A Costs

As you develop your proposal budgets, keep in mind that salary, fringe benefits, and facilities and administrative (F & A) costs will change over time, perhaps even annually. Such is the case for WSU's fringe benefits and F & A cost rates for FY12. Effective July 1, 2011 to June 30, 2012, fringe benefit rates for faculty, staff, and students will change to the following rates:

- full-time faculty (51% FTE or more), 22.0%
- faculty – part-time, overload, summer, retirees, 11.5%
- full-time unclassified (including hourly), 30.0%
- part-time un/classified staff, 15.0%

- full-time classified staff, 54.2%
- OPERS-covered students, 15.6%.

For a comparison of rates from FY11, and projected rates for the next two years, visit the RSP web site page, "[Proposal Preparation: Salary, Fringe Benefit and F&A Cost Rates.](#)"



Additionally, one of WSU's federally negotiated F & A cost rates is set to increase by 1 percent for the next two years. The rate for on-campus organized research will increase from 45% to 46%, effective from July 1, 2011 to June 30, 2013. All

other rates will remain unchanged: off-campus organized research, 26%; other on-campus sponsored activities, 35%; and other off-campus sponsored activities, 26%. As a reminder, WSU rates apply to a project's modified total direct costs, consisting of all salaries and wages, fringe benefits, materials, supplies, services, travel, and subgrants/subcontracts up to the first \$25,000 of each subgrant/subcontract (regardless of the project period). For additional details regarding WSU's F & A cost rates, visit the RSP web site page, "[Proposal Preparation: Salary, Fringe Benefit and F&A Cost Rates.](#)"

## RSP Announces Licensing of InfoEd Modules



RSP will be moving forward with replacing its current File-maker database with a new integrated database solution from InfoEd International. The new system will allow us to route our proposals internally through an electronic portal (no more red folders!) and submit federal applications through a system-to-system portal.

In addition to the Grants Management module, which includes Proposal Development, Proposal Tracking, and Award Tracking,

the following modules are being licensed by WSU to assist with compliance and management of animal studies, conflicts of interest, and human studies:

- Animal Studies Development and Management for the Laboratory
- Animal Care and Use Committee;
- Expertise Management for Conflict of Interest Reporting and Management; and

- Human Studies Development and Management for the Institutional Review Board.

Once the contract with InfoEd has been finalized, an implementation plan will be developed in phases beginning with the Grants Management module. As we transition to the new methods, we will keep faculty and staff alerted to the changes prior to their implementation and of training that will be made available regarding the new procedures.

# NIH CAPS INFLATION ADJUSTMENTS ON COMPETING AND NON-COMPETING RESEARCH AWARDS

Based on the outcome of FY11 federal appropriations, NIH research grant funding has been reduced to 1 percent below FY10 funding levels. What does this mean for WSU investigators?

- Non-modular research grants from all NIH Institutes and Centers (except NCI) will be reduced to 1 percent below FY10 funding levels, and inflationary adjustments for recurring costs on non-competing research grants in FY12 and beyond will be set at 2 percent, based on the adjusted 2011 level.
- Modular grants will be reduced to 1 percent below the FY 2010

level and may be reduced by an inflationary adjustment level set by each Institute or Center (up to the level set by that Institute or Center for non-modular research grants).



- For future competing research grants, in order to remain aligned with non-competing awards, future inflationary adjustments for recurring costs will be set at 2 percent.
- For the National Cancer Institute, non-modular grants will be reduced to 3 percent below the

FY10 award level, with future year commitments adjusted for inflation based on the revised FY11 level. Modular budgets will be reduced to 3 percent below the FY10 level.

These changes *do not* affect projects from the following programs: Career Awards, SBIR/STTRs, and Ruth L. Kirschstein National Research Service Award (NRSA) Individual Fellowships and Institutional Training Grants. To read the full text NIH notice: <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-11-068.html> and clarification: <http://grants.nih.gov/grants/guide/notice-files/NOT-OD-11-077.html>

## ***NIH: Investigator Compliance with Proposal Development Guidelines Critical***



On May 27, the National Institutes of Health published a reminder to all investigators regarding the continued importance of compliance with published proposal guidelines, specifically regarding the inclusion of materials in sections that do not have a set limit to the number of pages that can be submitted along with the proposal narrative (e.g. the Protection of Human Subjects and Vertebrate Animals sections). During recent submissions, NIH staff and reviewers discovered that some applications included

materials inappropriate to the section in which they were placed. In other cases, investigators attempted to circumvent the page limit by placing additional unallowable material in the Appendix. In these instances, NIH staff may include a note in the summary statement that alerts the investigator to this issue for future submission purposes; however, ***NIH may withdraw applications from review and funding consideration for egregious cases in which inappropriate material has been placed in a section or sections of an application without page limits, or in the Appendix.***

# AWARDS

*The grants and contracts on these pages were awarded from  
September 2010 through April 2011*

## **Boonshoft School of Medicine**

**Bigley, Nancy J.**  
*Peptide Mimetic Modulation of  
Latent and Lytic HSV-1 Infection*  
Canadian Bureau for  
International Education  
\$10,000

**Boivin, Gregory**  
**Cool, David R.**  
*Purified Snake Venom Study*  
Central State University  
\$36,492

**Boivin, Gregory**  
*Biopsy Study*  
Devicor Medical Products, Inc.  
\$16,184

**Borchers, Jerome L.**  
**Binder, Stephen Bruce**  
*IPA Services: VAMC*  
Veterans Affairs Medical Center  
\$500

**Burke, Ann E.**  
*ACR/REF/Amgen Pediatric  
Rheumatology Visiting  
Professorship Award*  
American College of  
Rheumatology Research and  
Education Foundation  
\$0

**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  
\$563,131

**Carlson, Robert G.**  
**Falck, Russel S.**  
*Buprenorphine Post-Marketing  
Surveillance*  
CRS Associates, LLC  
\$7,335

**Carr, Carey J.**  
**Moore, Dennis C.**  
*The Paths to Recovery Project*  
Greater Cincinnati Behavioral  
Health Services  
\$20,000

**Cauley, Katherine L.**  
**Simmons, Dionne M.**  
*Kinship Navigator Consortium  
CY2011*  
Montgomery County Children  
Services  
\$126,641

**Cauley, Katherine L.**  
*AHEC Support*  
Ohio Board of Regents  
\$111,003

**Cauley, Katherine L.**  
**Clasen, Carla**  
*WMD/Hazmat Protection Training  
for Health Professionals*  
JXT Applications, Inc.  
\$22,129

**Cauley, Katherine L.**  
*Sinclair Community College  
Matching Funds CY2011*  
Sinclair Community College  
\$16,000

**Clasen, Carla**  
*Southeast Weed and Seed Safe  
Haven Programming*  
Montgomery County Sunrise  
Center  
\$1,631

**Cool, David R.**  
**Lucot, James B.**  
**Brown, Thomas L.**  
*Protection Against Sarin-Induced  
Neurotoxicity via an In Vivo  
Caspase Inhibitor*  
DHHS, National Institute of  
Neurological Disorders and Stroke  
\$338,238

**Cowan, Allison**  
*Montgomery County Board of  
Developmental Disabilities  
Consulting Services*  
Montgomery County Board of  
Mental Retardation &  
Developmental Disabilities  
\$45,000

**Dhanraj, David N.**  
*IPA Services: VAMC*  
Veterans Affairs Medical Center  
\$5,000

**Di Fulvio, Mauricio**  
*Role of Na<sup>+</sup>-K<sup>+</sup>-2CL<sup>-</sup>  
Cotransporters in Diabetic  
Sensory Neuropathy*  
American Diabetes Association -  
National  
\$126,709

**Dodge, Robin E.**  
*Aerospace Medicine Training  
for the Era of Moon, Mars, and  
Beyond*  
National Aeronautics and Space  
Administration  
\$343,472

**Dunn, Margaret M.**  
*NCI Award Under DCOP Fiscal  
Agency Agreement*  
Dayton Clinical Oncology  
Program  
\$1,022,207

**Dunn, Margaret M.**  
*Miscellaneous Awards Under  
DCOP Fiscal Agency Agreement*  
Dayton Clinical Oncology  
Program  
\$174,154

**Falck, Russel S.**  
**Carlson, Robert G.**  
**Daniulaityte, Raminta**  
*Preventing Unintentional  
Prescription Drug Poisoning*  
Public Health Dayton and  
Montgomery County  
\$80,000

**Ford, JoAnn**  
**Williams, Carlton**  
*One-Stop to Wellness*  
DHHS, Substance Abuse and  
Mental Health Services  
Administration  
\$393,581

**Fraker, Susan M.**  
**Ford, JoAnn**  
*Technology Assisted Services for  
Persons with Disabilities*  
Ohio Department of Alcohol and  
Drug Addiction Services  
\$343,627

**Galloway, Michael**  
*IPA Services: VAMC*  
Veterans Affairs Medical Center  
\$5,000

**Gebhart, Mark E.**  
**Kirkpatrick, Daniel**  
*Civilian Aeromedical Evacuation  
Sustainment Training (CAEST)*  
University of Memphis  
\$95,901

**Gebhart, Mark E.**  
*Homeland Response Force (HRF)  
Basic Training*  
USPFO for Ohio  
\$30,000

**Gentile, Julie P.**  
*CCOE: Dual Diagnosis MI/DD*  
Ohio Developmental Disabilities  
Council  
\$75,000

**Gentile, Julie P.**  
*Montgomery County DD Services  
Professorship for 2011*  
Montgomery County Board of  
Mental Retardation and  
Developmental Disabilities  
\$51,050

**Gentile, Julie P.**  
*PROF-MR/DD-ODMRDD  
FY2011*  
Ohio Department of Mental  
Retardation and Developmental  
Disabilities  
\$30,000

**Hamilton, Glenn C.**  
**Gebhart, Mark E.**  
*Homeland Emergency Learning  
and Preparedness Center*  
DoD, Air Force, Air Force  
Research Laboratory  
\$179,763

**Hamilton, Glenn C.**  
*Regional Healthcare Preparedness  
Grant*  
Greater Dayton Area Health  
Information Network  
\$50,000

**Hamilton, Glenn C.**  
*CORF Cost Share*  
City of Fairborn, Ohio  
\$0

**Hostetler, Heather**  
*The Role of Long Chain  
Acyl-CoAs in Nuclear Receptor  
Regulation*  
DHHS, National Institute of  
Diabetes and Digestive and  
Kidney Diseases  
\$248,682

**Kadokia, Madhavi P.**  
*Controlling Bioprocesses Using  
Peptide-Modified Scaffolds*  
Universal Energy Systems, Inc.  
\$14,500



**Kozak, Juliusz Ashot**

*Regulation of Ca<sup>2+</sup> Entry Pathways by pH and PI (3,4,5)P<sub>3</sub> in Human T. Lymphocyte Activation*  
American Heart Association - National  
\$77,000

**Lachecki, Carla  
Cauley, Katherine L.**

*Women's Health Week 2011*  
Ohio Department of Health  
\$7,960

**Lehrer, Douglas S.**

*The Genomic Psychiatry Cohort (GPC)*  
University of Southern California  
\$80,000

**Lucot, James B.**

*Organ Specific Perturbation of Biological Pathways and Processing Resulting from Exposure to Organophosphorous Agent*  
Henry M. Jackson Foundation  
\$10,000

**Markey, Michael**

*Establishment of aCGH Capabilities Within the Center for Genomics Research*  
Dermatopathology Lab of Central States  
\$80,000

**Morris, Mariana**

*PREP Scholars*  
DHHS, National Institute of General Medical Sciences  
\$317,737

**Morris, Mariana**

*Translational Biomedical Training for Underrepresented Minorities*  
U.S. Department of Education  
\$35,000

**Nahhas, Ramzi**

**Sherwood, Richard J.**  
*Longitudinal Modeling of Craniofacial Growth Trajectories*  
DHHS, National Institute of Dental and Craniofacial Research (NIDCR)  
\$145,417

**Olson, James E.**

*Nanocontrast Agents Phase 2*  
University of Dayton  
\$7,254

**Organisciak, Daniel T.**

*Prevention of Light-Induced Retinal Degeneration by Natural Substances*  
Alcon Laboratories, Inc.  
\$195,349

**Paliy, Oleg**

*DNA Extraction from Fecal Material: Method Optimization Project*  
Procter and Gamble Company  
\$40,019

**Pascoe, John M.**

**Chumlea, W. Cameron  
Forbis, Shalini G.  
Spears, William D.  
Lee, Miryoung**  
*ARRA-Training in Primary Care Medicine and Dentistry: Administrative Academic Unit, Pediatrics*  
DHHS, Health Resources and Services Administration (HRSA)  
\$243,660

**Pascoe, John M.**

**Spears, William D.**  
*Best Practices for Study Recruiting in Primary Care Settings*  
Wayne State University  
\$34,345

**Prayson, Michael J.**

*Fixation Using Alternative Implants for the Treatment of Hip Fractures (FAITH)*  
University of Minnesota  
\$15,240

**Prayson, Michael J.**

*Fluid Lavage of Open Wounds (FLOW): A Multi-Center, Blinded, Factorial Trial Comparing Alternative Irrigating Solutions and Pressures in Patients with Open Fractures*  
Greenville Hospital System  
\$1,015

**Pretorius, Richard W.**

*Medical School Admission Policies and the Family Medicine Pipeline: Developing Practical Guidance Based Analysis of Student Origins*  
Society of Teachers of Family Medicine Foundation  
\$1,584

**Putnam, Robert W.**

*Time-Dependent Changes in Respiratory Control After Perinatal Hyperoxia*  
Bates College  
\$4,995

**Rapp, Richard C.**

*South Carolina Linkage Programs for Inmates*  
University of South Carolina  
\$40,005

**Reichard, Adam C.**

**Bigley, Nancy J.**  
*M1/M2 Macrophage Differentiation After HSV1 Corneal Infection*  
Sigma XI  
\$2,000

**Rich, Mark M.**

*Delivery of Therapeutic Genes in Motor Neuron Disease*  
Ohio State University  
\$57,442

**Rich, Mark M.**

*Treating Myotonia Congenita*  
Muscular Dystrophy Association  
\$53,358

**Rogers, Nikki L.**

*Community PROMISE*  
Mt. Olive Baptist Church  
\$5,000

**Sherwood, Richard J.****Duren, Dana L.****Towne, Bradford**

*Genetic Architecture of the Human Dentognathic Complex*  
DHHS, National Institute of Dental and Craniofacial Research (NIDCR)  
\$659,559

**Sulentic, Courtney E.W.**

*3'alpha Enhancer Regulation by AhR and NF-kappaB/Rel Proteins*  
DHHS, National Institute of Environmental Health Sciences (NIEHS)  
\$197,350

**Towne, Bradford****Czerwinski, Stefan Aleksander****Choh, Audrey**

*Genetics of Infant Growth and Later Obesity*  
University of Minnesota  
\$115,101

**Trevino, Julian J.**

*Visiting Professor Program*  
Abbott Laboratories  
\$7,000

**Trevino, Julian J.**

*Psoriasis Longitudinal Assessment and Registry (PSOLAR)*  
Centocor, Inc.  
\$491

**Williams, Carlton****Wilson, Josephine F.**

*Fifty-Plus Prevention Project (F3P)*  
DHHS, Substance Abuse and Mental Health Services Administration  
\$299,999

**Williams, Carlton**

*Substance, Testing, and Education Program Using Prevention (STEP-UP)*  
DHHS, Substance Abuse and Mental Health Services Administration  
\$299,955

**Wyatt, Christopher N.**

*AMP-Activated Protein Kinase and Oxygen Sensing*  
DHHS, National Heart, Lung, and Blood Institute  
\$315,833

**College of Education and Human Services****Franco, Suzanne****Patel, Nimisha****Lindsey, Jill L.**

*College Ready STEM Demonstration Grant*  
Ohio Board of Regents  
\$266,381

**Hanby, Donna**

*Teacher Performance Assessment*  
Ohio Board of Regents  
\$74,768

**Harris, Charlotte M.**

*Dayton Regional Science, Technology, Engineering, and Mathematics School Services Agreement*  
Dayton Regional Science, Technology, Engineering, and Mathematics (STEM) School  
\$481,989

**Keener, Catherine D.****McIlvenna, Noeleen**

*The Wright Intervention*  
U.S. Department of Education  
\$100,000

**College of Engineering and Computer Science****Chung, Soon M.****Bangert, Austin D.**

*Service-Oriented Integration of Distributed Biomechanical Engineering Resources*  
Dayton Area Graduate Studies Institute  
\$6,855

**Dong, Haibo**

*Optimal Injection Setting and Thermodynamic Analysis of DISI Rotary Engine*  
Baker Engineering, Inc.  
\$30,000

**Dong, Haibo**

*Computational Analysis of Wankel Rotary Engine Using Direct Injection*  
L.K. Industries, Inc.  
\$30,000

**Emmert, John M.**  
**Garber, Fred D.**  
**Kazmierczuk, Marian K.**

*New Electronic Warfare  
Specialists Through Advanced  
Research by Students*  
MacAulay-Brown, Inc.  
\$17,970

**Fendley, Mary E.**  
*Information Processing Model for  
Sensor Exploitation of Multiple  
RPVs*

Science Applications International  
Corporation  
\$22,170

**Fendley, Mary E.**  
*iCAD, Inc. Engineering Support*  
iCAD, Inc.  
\$18,720

**Fendley, Mary E.**  
*Identification of Green Industries  
and Their Pathways for East End  
Community Services*  
East End Community Services  
Corporation  
\$9,000

**Fendley, Mary E.**  
*Gleason M&M Precision Systems  
Engineering Support*  
Gleason M&M Precision Systems  
\$6,300

**Fendley, Mary E.**  
*Biomedical Imaging Engineering  
Services*  
Nationwide Children's Hospital  
\$6,300

**Gallimore, Jennie J.**  
**Tsang, Pamela S.**  
**Shingledecker, Clark**  
**Kidambi, Phani**  
*Flight Deck Display and Control  
Requirements Human Factors  
Study*

U.S. Department of  
Transportation, Federal Aviation  
Administration  
\$632,086

**Gallimore, Jennie J.**  
*Wireless Phone Distraction  
Research*

Transportation Research Center  
Inc.  
\$11,471

**Gallimore, Jennie J.**  
*Data, Information, and Decisions  
to Display Mapping*  
Center for Operator Performance  
\$5,500

**Garber, Fred D.**  
*Automatic Target Recognition  
Center Summer Intern Program*  
Ohio State University  
\$148,583

**Goshtasby, A. Ardeshir**  
**Camp, John L.**

**Browning, Fernando C.**  
**Cetnar, John S.**  
**Hartman, Joshua A.**  
**Hester, Tyler A.**  
*Science, Mathematics, and  
Research for Transformation  
(SMART) Defense Scholarship  
Program 2010/2011*  
American Society for Engineering  
Education  
\$67,896

**Goswami, Tarun**  
*Turbine Engine Retirement for  
Cause (RFC) Component  
Implementation: Phase II*  
Universal Technology Corporation  
\$249,112

**Goswami, Tarun**  
*Turbine Engine Retirement for  
Cause (RFC) Component  
Implementation: Phase I*  
Universal Technology Corporation  
\$98,666

**Goswami, Tarun**  
*Cervical Injury: Devices and Risk  
Assessment*  
Battelle Laboratories  
\$61,795

**Goswami, Tarun**  
*Evaluation of Posterior Lumbar  
Fixation Devices*  
X-spine Systems, Inc.  
\$16,675

**Goswami, Tarun**  
*Life and Reliability Prediction for  
Turbopropulsion Systems to  
Manage Maintenance Costs*  
American Technology & Services  
Inc.  
\$13,000

**Grandhi, Ramana V.**  
 *Casting Optimization*  
Caterpillar, Inc.  
\$60,000

**Grandhi, Ramana V.**  
*LSP for Reliable Fatigue Life*  
General Dynamics Information  
Technology, Inc.  
\$44,300

**Grandhi, Ramana V.**  
*Collaborative Center in  
Multidisciplinary Sciences  
(CCMS)*  
Virginia Polytechnic Institute and  
State University  
\$40,200

**Hangartner, Thomas N.**  
*Colorado Center for Childhood  
Liver Disease Research*  
*Education: Etiology and  
Treatment of Biliary Atresia and  
INH*  
University of Colorado  
\$52,093

**Hitzler, Pascal**  
*III: Small: TRON - Tractable  
Reasoning Ontologies*  
NSF, Miscellaneous  
\$149,166

**Hitzler, Pascal**  
*REU Supplement: III: Small:  
TRON -Tractable Reasoning  
Ontologies*  
NSF, Miscellaneous  
\$16,000

**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  
\$145,000

**Huang, George**  
**Ayyadurai, Mary S.**  
**Young, Henry Daniel**  
**Thomas, Scott Keith**  
*Numerical/Experimental Study of  
Functionally Graded Structures  
and Exploration of Micro Air  
Vehicles*  
DoD, Air Force, Air Force  
Research Laboratory  
\$88,485

**Huang, Hong**  
**Cheekati, Sree**  
*ECS Travel Grant*  
The Electrochemical Society  
\$800

**Klingbeil, Nathan W.**  
**Koenig, Kathleen**  
*Gateway into STEM Curricula:  
A Model Community College/  
University Partnership*  
*Promoting First-Year Retention  
and 2 to 4-Year Articulation*  
NSF, Miscellaneous  
\$211,061

**Liu, Meilin**  
*The Exploration of Memory  
Hierarchy and Parallelism for  
Multi Core Systems*  
NSF, Miscellaneous  
\$190,603

**Liu, Yan**  
**Parikh, Pratik**  
*Use of Exploratory Data Mining  
Techniques to Study Associations  
between Bone-Mineral Density  
and Relevant Clinical Parameters*  
Genzyme Corporation  
\$51,720

**Mawasha, P. Ruby**  
*Ohio Space Grant Consortium  
Scholarship/Fellowship Program  
2010/2011*  
Ohio Space Grant Consortium  
\$3,500

**Menart, James A.**  
*Renewable and Clean Energy  
Education Initiative*  
University of Dayton  
\$177,767

**Mukhopadhyay, Sharmila M.**  
*A Molecular Modeling Approach  
to Predicting Elastic and Failure  
Behavior of Thermosetting  
Polymer*  
DoD, Air Force Office of  
Scientific Research  
\$150,000

**Narayanan, Sundaram**  
**Skipper, Julie**  
**Kidambi, Phani**  
**Bennett, Kevin B.**  
**He, Ping**  
*Neuroscience and Medical  
Imaging*  
DoD, Air Force, Air Force  
Research Laboratory  
\$500,000

**Narayanan, Sundaram**  
*Operations Support Center (OSC)  
of Tec^Edge*  
The Wright Brothers Institute, Inc.  
\$295,114

**Narayanan, Sundaram**  
*Operations Support Center (OSC)  
of Tec^Edge*  
The Wright Brothers Institute, Inc.  
\$251,366



**Narayanan, Sundaram**  
*Operations Support Center (OSC)  
of Tec^Edge*  
The Wright Brothers Institute, Inc.  
\$201,310

**Narayanan, Sundaram**  
*WBI: Innovation and  
Collaboration Rapid Prototyping  
Environment to Support AFRL*  
The Wright Brothers Institute, Inc.  
\$157,803

**Narayanan, Sundaram**  
*Knowledge Management for  
Petro-Chemical Industry*  
Center for Operator Performance  
\$97,564

**Narayanan, Sundaram**  
*Performance Metrics for Operator  
Performance*  
Center for Operator Performance  
\$62,400

**Ren, Saiyu**  
*AF083-153 Digital Synthesizer  
with Tuning Filter*  
RBS Technologies, LLC  
\$54,997

**Rigling, Brian D.**  
*Collaborative Center for  
Surveillance Research*  
Ohio State University  
\$110,000

**Rigling, Brian D.**  
*Collaborative Center for  
Surveillance Research*  
NSF, Miscellaneous  
\$55,000

**Rigling, Brian D.**  
*Collaborative Center for  
Surveillance Research*  
More Than One Source of Support  
\$44,000

**Rigling, Brian D.**  
**Fogle, Orelle R.**  
*Application of Range Doppler  
Processing*  
Matrix Research & Engineering  
\$16,000

**Rizki, Mateen M.**  
*Metabolite Differentiation and  
Discovery Lab Development*  
Oak Ridge Institute for Science  
and Education  
\$37,590

**Rizki, Mateen M.**  
*Fieldable Human Threat Signature*  
Ohio State University  
\$17,000

**Shang, Joseph J.S.**  
**Huang, George**  
**Yan, Hong**  
*Cyber-Based Turbulent Hydrogen  
Combustion Simulation*  
DoD, Air Force Office of  
Scientific Research  
\$89,997

**Shang, Joseph J.S.**  
*An Innovative Radiative Heat  
Transfer Model of Hypersonic  
Nonequilibrium Flow*  
Universal Technology  
Corporation  
\$50,304

**Shaw, Arnab K.**  
*Sensor Shipment*  
Gitam Technologies, Inc.  
\$2,168

**Sheth, Amit**  
*Information Operations/Cyber  
Exploitation Research (ICER)  
Program, City Beat*  
Ralph Woolpert Company  
\$142,447

**Sheth, Amit**  
*T040: LVC Sensors Integration for  
Data Fusion in Operations and  
Training*  
Ball Aerospace  
\$93,767

**Sheth, Amit**  
*Enhancing Information Extraction  
with Linked Open Data*  
Janya, Inc.  
\$10,150

**Shingledecker, Clark**  
**Vernooy, Jeffrey A.**  
*Continuing Support for an In-  
teractive Webcast Program to  
Prepare Students with Disabilities  
and Parents for Transition to  
Postsecondary Education and  
Careers in STEMM*  
Ohio Rehabilitation Services  
Commission  
\$144,769

**Skipper, Julie**  
**Gallimore, Jennie J.**  
*Development of Virtual Humans  
for Cultural Competence Training*  
Leonard Wood Institute  
\$534,060

**Skipper, Julie**  
**Petkie, Douglas T.**  
**Schneider, Tamera**  
*Human Signature Collection and  
Exploitation via Stand-Off  
Non-Cooperative Sensing*  
Princeton Nanotechnology  
Systems  
\$21,000

**Srinivasan, Raghavan**  
*Alloy Evaluations*  
RTI International Metals, Inc.  
\$20,000

**Srinivasan, Raghavan**  
*Titanium Alloys Sample Machining*  
RTI International Metals, Inc.  
\$3,730

**Thomas, Scott Keith**  
*Transition of Small Unmanned Aerial Vehicle Research Testbed to Undergraduate Educational Purposes*  
Ohio Space Grant Consortium  
\$10,000

**Thomas, Scott Keith**  
**Schaab, Adrienne E.**  
*Science, Mathematics, and Research for Transformation (SMART) Defense Scholarship Program - A. Schaab*  
American Society for Engineering Education  
\$2,245

**Wischgoll, Thomas**  
*Vortex Detection and Visualization for Design of Micro Air Vehicles and Turbomachinery*  
High Performance Technologies, Inc.  
\$41,519

**Wolff, J. Mitch**  
*Intergovernmental Personnel Agreement - M. Wolff*  
DoD, Air Force, Air Force Research Laboratory  
\$519,157

**Zhang, Xiaodong**  
*Mobile-Agent-Based Autonomous Data Fusion for Distributed Sensors*  
Impact Technologies, LLC  
\$57,999

**Zhang, Xiaodong**  
*Multi-Agent Health Management System*  
Intelligent Automation, Inc.  
\$40,668

**Zhuang, Yan**  
*MJB3 Aligner*  
DoD, Air Force, Air Force Research Laboratory  
\$0

## College of Liberal Arts

**Brun, Carl F.**  
*Stakeholders to Partners*  
Greene County Educational Service Center  
\$30,000

**Cortes, Tess**  
*General Operating Support: Art Galleries*  
Ohio Arts Council  
\$2,698

**Dockery, Jane L.**  
*Ohio Board of Regents Workforce Development Data Analysis - Supplement*  
Ohio Board of Regents  
\$237,918

**Dockery, Jane L.**  
*Green Industry Skills Survey*  
Ohio Board of Regents  
\$175,000

**Dockery, Jane L.**  
*RIG Asset Mapping*  
Montgomery County Department of Job and Family Services  
\$25,000

**Dockery, Jane L.**  
*RIG SWOT Analysis*  
Montgomery County Department of Job and Family Services  
\$11,546

**Dockery, Jane L.**  
*Dislocated Worker Outcome Analysis Using UI Wage Records, SCOTI, and Records of WIA Training Investments*  
Montgomery County Department of Job and Family Services  
\$5,175

**Dockery, Jane L.**  
*Philada Home Fund: A Partnership with Independent You*  
The Philada Home Fund  
\$2,485

**Dockery, Jane L.**  
*Long-Range Strategic Plan for the City of Delaware*  
City of Delaware, Ohio  
\$2,000

**Dockery, Jane L.**  
*Greene County Regional Planning and Coordinating Commissioners (RPCC) Evaluation*  
Regional Planning Commission of Greene County  
\$2,000

**Dustin, Jack L.**  
*Public and Social Service Transportation Curriculum and Internship Program*  
Ohio Department of Transportation  
\$12,000

**Dustin, Jack L.**  
*Revitalize the Dayton East Third Street Corridor and Southeast Dayton Weed and Seed Household Survey*  
Montgomery County Sunrise Center  
\$2,500

**Dustin, Jack L.**  
*We Care Arts*  
We Care Arts  
\$500

**Hooker, Carol M.**  
*Montgomery County Veterans' Services Commission*  
Montgomery County Veteran Service Center  
\$8,500

**Hooker, Carol M.**  
*Think TV Asthma Evaluation*  
Think TV Network (Greater Dayton Public Television)  
\$6,550

**Hooker, Carol M.**  
*Ready To Lead in Literacy Project Evaluation*  
Think TV Network (Greater Dayton Public Television)  
\$2,000

**Jones, Thomas Davidson**  
*Council on Rural Services Survey of Stakeholders*  
Council on Rural Services  
\$17,207

**Jones, Thomas Davidson**  
*Miami County Health District Community Health Assessment 2010*  
Miami County Health District  
\$15,860

**Jones, Thomas Davidson**  
*Darke County General Health District Community Health Assessment 2010*  
Darke County General Health District  
\$15,135

**Jones, Thomas Davidson**  
*Licking County: Behavioral Risk Factor Surveillance System Survey 2011*  
Licking County Health Department  
\$9,838

**Jones, Thomas Davidson**  
*Ohio University Uranium Enrichment Survey*  
Ohio University  
\$8,377

**Jones, Thomas Davidson**  
*Warren County Combined Health District Community Health Assessment 2011*  
Warren County Health District  
\$7,968

**Jones, Thomas Davidson**  
*Miami Valley Regional Planning Commission Market Research Survey 2010*  
Miami Valley Regional Planning Commission  
\$6,687

**Jones, Thomas Davidson**  
*Miami Valley Regional Planning Commission Going Places Telephone Survey 2010*  
Miami Valley Regional Planning Commission  
\$6,687

**Jones, Thomas Davidson**  
*City of Kettering Citizen Perception Survey and Focus Groups*  
City of Kettering, Ohio  
\$6,200

**Jones, Thomas Davidson**  
*Pickaway County General Health District Community Health Assessment 2010*  
Pickaway County General Health District  
\$5,924

**Jones, Thomas Davidson**  
*Mercer County: Alternative Energy*  
The Strategy Team, Ltd.  
\$5,727

**Jones, Thomas Davidson**  
*City of Trotwood Analyses of 2011 Ballot Issues*  
City of Trotwood  
\$5,590

**Jones, Thomas Davidson**  
*Montgomery County Water Services Proposal 2010*  
Montgomery County Water Services  
\$5,185

**Jones, Thomas Davidson**  
*City of West Carrollton Satisfaction Survey*  
City of West Carrollton, Ohio  
\$5,050

**Jones, Thomas Davidson**  
*Clinton-Massie Schools Survey*  
Clinton-Massie School District  
\$4,717

**Jones, Thomas Davidson**  
*The Strategy Team: Survey of  
Wadsworth's Residents*  
The Strategy Team, Ltd.  
\$4,011

**Jones, Thomas Davidson**  
*O'Bannon Nature Trail Pre and  
Post Assessment*  
Clermont County, Ohio  
\$3,968

**Jones, Thomas Davidson**  
*Mental Health Recovery Services  
of Warren and Clinton Counties  
Web-Based Survey*  
Mental Health Recovery Services  
of Warren and Clinton Counties  
\$2,093

**Jones, Thomas Davidson**  
*Strategy Team Focus Groups*  
The Strategy Team, Ltd.  
\$1,380

**Kennedy, Sandra D.**  
*Wright State University SW Ohio  
Center for Labor-Management  
and Workforce Development  
Initiative*  
Ohio Department of Development  
\$90,000

**Kennedy, Sandra D.**  
*City of Dayton: High Impact  
Certified Contact Center Excep-  
tional Customer Care*  
City of Dayton, Miscellaneous  
\$28,500

**Kennedy, Sandra D.**  
*Efficiently Managing Your OLOI  
Project, Project Assessment, and  
Strategic Planning*  
Veterans Affairs Medical Center  
\$8,000

**Layne, Jo Ellen  
Brun, Carl F.**  
*Child Welfare Workforce  
Professional Education Program*  
Ohio Department of Job and  
Family Services  
\$123,250

**Subban, Jennifer**  
*WSU's Student Philanthropy  
Project 2010*  
Ohio Campus Compact  
\$15,500

## **College of Nursing and Health**

**Burnell, Patricia D.**  
*Dayton VA Medical Center IPA -  
Patricia Burnell*  
Veterans Affairs Medical Center  
\$2,166

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

**Smith, Sherrill Jeanne  
Barry, Detrice**  
*Implementing Technology in  
Community Health: Examining the  
Use of High-Fidelity Simulation to  
Teach Home Care*  
National League for Nursing, Inc.  
\$10,132

**Vermeersch, Patricia E.  
Whitecar, Philip S.**  
*Multi-Payer Enhanced Primary  
Care Home (EPCH) Initiative*  
Ohio Academy of Family  
Physicians Foundation  
\$45,000

## **College of Science and Mathematics**

**Agrawal, Abinash  
Amon, James P.**  
*Bioremediation of Chlorinated  
Ethenes in the Constructed  
Wetlands at Wright-Patterson Air  
Force Base (FY10/11)*  
Air Force Institute of Technology  
\$246,990

**Agrawal, Abinash**  
*Kinetics of Chlorinated  
Degradation Assisted by Modified  
Bimetallic Carbon and  
Peptide Nanotubes and Transport  
of Nanosilver (nAg) in  
Groundwater*  
Air Force Institute of Technology  
\$0

**Arasu, Krishnasany T.**  
*Signal Designs via Combinatorial  
Designs*  
DoD, Air Force Office of Scien-  
tific Research  
\$50,265

**Arasu, Krishnasany T.**  
*REU Supplement: Algebraic  
Methods in the Study of Some  
Problems in Communication  
Engineering*  
NSF, Grants for Scientific  
Research  
\$16,000

**Arlan, Larry G.  
Morgan, Marjorie S.**  
*Indoor Allergen Analysis II*  
S.C. Johnson & Son, Inc.  
\$82,829



**Arlan, Larry G.**  
*Laundry Sample Analysis*  
Procter & Gamble Company  
\$20,475

**Brown, Elliott**  
*High-Resolution Sensing of DNA Nanostructures in the THz Region*  
University of California  
\$163,463

**Brown, Elliott**  
*Ultrafast Photoconductive Characterization of GaN*  
Kyma Technologies, Inc.  
\$50,000

**Brown, Elliott**  
*Characterization of Silicide-Silicon Schottky Rectifiers in the THz Region*  
University of Texas  
\$33,000

**Brown, Elliott**  
*Terahertz Component-Level Research for Sensing Applications*  
Air Force Institute of Technology  
\$0

**Burgin, Amy J.**  
*Collaborative Proposal: Coupled C, N, and S Cycling in Coastal Plains Wetlands: How Will Climate Change and Salt Water Intrusion Alter Ecosystem Dynamics?*  
NSF, Grants for Scientific Research  
\$307,051

**Burgin, Amy J.**  
*ROA Supplement: Collaborative Proposal: Coupled C, N, and S Cycling in Coastal Plains Wetlands: How Will Climate Change and Salt Water Intrusion Alter Ecosystem Dynamics?*  
NSF, Grants for Scientific Research  
\$31,235

**Burgin, Amy J.**  
*REU Supplement: Collaborative Proposal: Coupled C, N, and S Cycling in Coastal Plains Wetlands: How Will Climate Change and Salt Water Intrusion Alter Ecosystem Dynamics?*  
NSF, Miscellaneous  
\$6,125

**Clafin, Jr., Bruce B.**  
*AIRME Onsite Support*  
University of Dayton  
\$115,000

**Deibel, Jason A.**  
**Petkie, Douglas T.**  
*Electromagnetic NDE Techniques for the Detection and Characterization of Damage and Degradation in Thermal Protein Systems (TPS)*  
Universal Technology Corporation  
\$28,200

**Deibel, Jason A.**  
*Wire Waveguide Modeling and Characterization*  
Mound Laser and Photonics Center, Inc.  
\$10,000

**Deibel, Jason A.**  
*Surface Characterization Using Terahertz Scattering Measurements*  
Battelle Laboratories  
\$4,830

**Deibel, Jason A.**  
*Equipment Donation for Study of Mathematics and Science*  
DoD, Air Force, Air Force Research Laboratory  
\$0

**Excoffon, Katherine**  
*Isoform-Specific Regulation and Localization of the Coxsackie and Adenovirus Receptor in Airway Epithelia*  
DHHS, National Institute of Allergy and Infectious Diseases  
\$437,167

**Feld, William A.**  
*Single Ion Conducting Solid-State Lithium Electrochemical Technologies*  
University of Dayton  
\$147,000

**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  
\$351,760

**Flach, John M.**  
**Gallagher, John C.**  
*RDE-RAD: Collaborative Research: Ohio's STEM Ability Alliance (OSAA): STEM Degrees and Careers for Ohioans with Disabilities*  
NSF, Miscellaneous  
\$294,365

**Fossum, Eric**

*Poly (arylene ether)s from Activated 3,5-Difluoro Aromatic Systems: Synthesis, Functionalization, and Characterization*

NSF, Grants for Scientific Research  
\$100,000

**Fox, Jane Lee**

*The Hydrocarbon Ion Layer in the Low Altitude Ionosphere of Saturn*  
National Aeronautics and Space Administration  
\$110,532

**Fox, Jane Lee**

*Modeling of the Martian Thermosphere/Ionosphere in Support of Volatile Evolution Calculations: Altitude Distribution of Isotopomers and Ancient Atmospheres*  
National Aeronautics and Space Administration  
\$95,000

**Fox, Jane Lee**

*Production Rates of Thermal, Energetic, and Excited Atoms in the Martian Thermosphere, Ionosphere, and Exosphere*  
National Aeronautics and Space Administration  
\$70,000

**Gilpin, Roger K.**

*Measurements of Contaminants in Commercial Herbicide ATANOR*  
\$6,723

**Gilpin, Roger K.**

*State of Ohio Sludge Program*  
More Than One Source of Support  
\$1,175

**Hammerschmidt, Chad R.**

**Burgin, Amy J.**  
**Nogaro, Geraldine**  
*Effects of Alum Addition on Benthic Communities and Metal and Nutrient Cycles in Grand Lake St. Mary's Ohio*  
Ohio State University  
\$15,443

**Hammerschmidt, Chad R.**

*Mercury Analysis of Environmental Samples*  
More Than One Source of Support  
\$14,077

**Hauser, Ernest**

*Spectraseis-Dominion-WSU Collaborative Project*  
Spectraseis, Inc.  
\$9,841

**Higgins, Steven R.**

*Kinetic Complexity of Mineral-Water Interface Reactions Relevant to CO<sub>2</sub> Sequestration: Atomic-Scale Reactions to Centimeter-Scale Processes*  
U.S. Department of Energy  
\$115,753

**Kenyon, Lisa Orvik**

*Supporting Scientific Practices in Elementary and Middle School Classroom*  
Northwestern University  
\$86,313

**Klein, Helen A.**

*Mapping the Terrain of Multinational Trust*  
MacroCognition LLC  
\$75,385

**Koenig, Kathleen**

**Schen, Melissa S.**  
*Developing Scientific Reasoning Abilities in Pre-Service Teachers*  
NSF, Course, Curriculum and Laboratory Improvement  
\$124,898

**Koenig, Kathleen**

*Science Learning and Scientific Reasoning*  
Ohio State University  
\$74,199

**Kozlowski, Gregory**

*7th International Conference on Diffusion in Solids and Liquids*  
European Office of Aerospace Research and Development  
\$10,000

**Krane, Dan E.**

**Foster, Uohna June**  
*Persistence and Transfer of STR DNA Profiles*  
Forensic Bioinformatics Services, Inc.  
\$22,288

**Look, David C.**

*Conduction in Thin Films of ZnO for Electronic Applications*  
DoD, Air Force Office of Scientific Research  
\$149,914

**Look, David C.**

*Characterization of MESFET Channel Properties and Junction Temperature Measurements*  
Microsemi Corporation  
\$70,000

**Look, David C.**

*Characterization of Doped GaN*  
Kyma Technologies, Inc.  
\$50,000

**Look, David C.**

*Characterization of Doped GaN*  
Kyma Technologies, Inc.  
\$40,000

**Look, David C.**

*Electrical Activity of the ZnO Surface*  
Ohio State University  
\$10,000

**Look, David C.**

*Hall Effect Measurements*  
More Than One Source of Support  
\$4,700

**Look, David C.**

*Hall Effect Measurements*  
More Than One Source of Support  
\$2,650

**Lunsford, Suzanne K.**

**Slattery, William**  
*Partners in Integrated Earth Systems Science (PIES) (ITQ)*  
Ohio Board of Regents - Title II  
\$71,097

**Miller, Corey E.**

*Chally Center for Scientific Innovation (C2SI): Statistical Support Fall 2010, Winter 2011, and Spring 2011*  
HR Chally  
\$16,118

**Peters, Jeffrey L.**

**Cipollini, Donald F.**  
*Range-Wide Genetic Diversity of *Scirpus ancistrochaetus**  
Kendra Cipollini  
\$17,111

**Peters, Jeffrey L.**

**Lavretsky, Phillip**  
*Genetic Introgression and Conservation of the North American Mallard Complex*  
Ducks Unlimited Canada  
\$10,274

**Petkie, Douglas T.**

**Rattan, Kuldip S.**  
**Rigling, Brian D.**  
**Shaw, Arnab K.**  
**Skipper, Julie**  
**Xue, Kefu**  
*Academic Pipeline and Future Lab*  
DoD, Air Force, Air Force Research Laboratory  
\$690,000

**Petkie, Douglas T.**

**Skipper, Julie**  
**Schneider, Tamera**  
*Multimodel Human Signatures for State Assessment and Threat Evaluation*  
DoD, Office of Naval Research  
\$115,000

**Petkie, Douglas T.**

**Xue, Kefu**  
*Layered Sensing Construct for the CityBeat Project*  
DoD, Air Force, Air Force Research Laboratory  
\$73,060

**Ritzi, Jr., Robert W.**

*Ground Water Protection Program 2011*  
Cemex  
\$24,751

**Rooney, Thomas**

*Establishing a Scientific Basis for Garlic Mustard Control and Eradication on Private Lands*  
Dairyman's, Inc.  
\$12,500

**Shebilske, Wayne L.**

**Vernooy, Jeffrey A.**  
*Precollege Assessment and Training II*  
Ohio Rehabilitation Services Commission  
\$182,822

**Shebilske, Wayne L.**

*Research and Analytical Support for the 711th HPW Human Effectiveness Directorate*  
DoD, Air Force, Air Force Research Laboratory  
\$49,500

**Slattery, William**

**Lunsford, Suzanne K.**  
*Science Teaching for Ohio's New Economy (STONE) (ITQ)*  
Ohio Board of Regents - Title II  
\$57,309

**Stireman, John**

*Collaborative Research: Caterpillars and Parasitoids in the Eastern Andes of Ecuador*  
NSF, Grants for Scientific Research  
\$21,895

**Teed, Rebecca E.**

**Basista, Beth A.**  
**Schen, Melissa S.**  
**Tomlin, James H.**  
*Earth, Life, and Physical Science Professional Development Project for Grades 5-12 Teachers (ITQ)*  
Ohio Board of Regents  
\$193,609

**Tosa, Sachiko**  
**Appova, Aina K.**  
**Farrell, Ann M.**  
*Lesson Study: Research on Teaching and Learning (ITQ)*  
Ohio Board of Regents - Title II  
\$136,728

**Vadeboncoeur, Yvonne**  
*RET Supplement: Collaborative Research: Consumer Control of High-Productivity/Low-Nutrient Ecosystems: Enhancement of Primary Productivity by Grazing Fish in Lake Tanganyika*  
NSF, Miscellaneous  
\$14,575

**Vadeboncoeur, Yvonne**  
*REU Supplement: Collaborative Research: Consumer Control of High-Productivity/Low-Nutrient Ecosystems: Enhancement of Primary Productivity by Grazing Fish in Lake Tanganyika*  
NSF, Miscellaneous  
\$9,000

**Watts, Doyle R.**  
**Hauser, Ernest C.**  
*Structural Characterization of the Dominion North Canton Storage Field (NCSF)*  
Dominion East Ohio  
\$7,787

## Lake Campus

**Wolfe, John R.**  
*Mobile Assistive Learning Devices: The Smartphone and Smartpen (Y2)*  
Ohio Rehabilitation Services Commission  
\$132,979

**Wolfe, John R.**  
*Mobile Assistive Learning Devices: The Smartphone and Smartpen*  
Ohio Rehabilitation Services Commission  
\$85,000

## Raj Soin College of Business

**Baumhauer, Carol A.**  
*Small Business Development Center: Amendment 1*  
Ohio Department of Development  
\$6,000

**Gregorich, Earl**  
*Small Business Development Center*  
Ohio Department of Development  
\$129,000

**Gregorich, Earl**  
*Entrepreneurship Project Pilot Program*  
Ohio Department of Development  
\$80,000

**Jeyaraj, Anand**  
*New Media Innovations: Trial, Adoption, and Usage by Individuals*  
Air Force Institute of Technology  
\$157,040

**Lumpkin, Joan Brady**  
**Harmon, Matthew S.**  
*Future Jobs Internship - Matt Harmon*  
Clark State Community College  
\$516

**Munch, James M.**  
*Emerging Leaders Program*  
Speedway SuperAmerica LLC  
\$56,000

**Williams, Scott**  
*Entrepreneurial Signature Program (ESP)*  
Development Projects, Inc.  
\$130,000

**Williams, Scott**  
*Energy Control System Market and Competitive Study*  
Development Projects, Inc.  
\$9,999

## School of Professional Psychology

**Waller, Celeste M.**  
*2011 Domestic Violence Program*  
Montgomery County Sheriff's Office  
\$10,800

**Winfrey, LaPearl L.**  
*Predoctoral Internship: Summit Behavioral Healthcare*  
Summit Behavioral Healthcare  
\$12,000

**Winfrey, LaPearl L.**  
*Practicum Training: Samaritan Behavioral Health 2010/2011*  
Samaritan Behavioral Health, Inc.  
\$5,833

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



**Yung, Betty**  
**Clasen, Carla**  
*Michigan Department of  
Community Health Capacity  
Building Program Evaluation*  
Southeastern Michigan Health  
Association  
\$50,801

**Yung, Betty**  
**Clasen, Carla**  
*Michigan Department of  
Community Health: Capacity  
Building Program Evaluation*  
Southeastern Michigan Health  
Association  
\$49,946

**Yung, Betty**  
*Evaluation of the State  
Partnership Grant for the Ohio  
Commission on Minority Health*  
Ohio Commission on Minority  
Health  
\$10,000

**Yung, Betty**  
*Evaluation of the OMH Capacity  
Building Program for the Ohio  
Commission on Minority Health*  
Ohio Commission on Minority  
Health  
\$2,000

## **Student Affairs**

**Cooper, Mary Maureen**  
**Hill, Sara Jane**  
*Student-Athlete Opportunity Fund  
(SAOF)*  
Horizon League  
\$54,418

**Martinsen, Michael Q.**  
*Bulletproof Vest Partnership*  
Ohio Department of Public Safety  
\$2,731

**Martinsen, Michael Q.**  
*Ohio Peace Officer Training*  
Ohio Office of the Attorney  
General  
\$340

**Vernooy, Jeffrey A.**  
**Myers, Katherine L.**  
*Personal Assistance Station and  
Technology Center*  
Ohio Rehabilitation Services  
Commission  
\$344,018

## **Universitywide**

**Kennedy, Sandra D.**  
*Understand Passive-Aggressive  
Behaviors in Teams and  
Teamwork: Team Charters in  
Effective Workplace Scenarios*  
Veterans Affairs Medical Center  
\$1,600

**Kennedy, Sandra D.**  
*Constructively Defusing Conflict  
Situations and Dealing with  
Difficult Situations and  
Personalities*  
Veterans Affairs Medical Center  
\$1,600

**Kennedy, Sandra D.**  
*Time Management, Know Your  
Style: Critical Thinking and the  
Art of Prioritizing Yourself and  
Your Work*  
Veterans Affairs Medical Center  
\$1,600

**Penick, Jennifer L.**  
*PELL Grant Program 2010/2011*  
U.S. Department of Education  
\$8,580,405

**Penick, Jennifer L.**  
*PELL Grant Program 2009/2010*  
U.S. Department of Education  
\$6,829,076

**Penick, Jennifer L.**  
*Academic Competitiveness Grant  
2010/2011*  
U.S. Department of Education  
\$721,034

**Penick, Jennifer L.**  
*Academic Competitiveness Grant  
2009/2010*  
U.S. Department of Education  
\$627,435

**Penick, Jennifer L.**  
*National SMART Grant Program  
2010/2011*  
U.S. Department of Education  
\$500,123

**Penick, Jennifer L.**  
*National SMART Grant Program  
2009/2010*  
U.S. Department of Education  
\$373,002

**Penick, Jennifer L.**  
*Wright State C-CAMPIS:  
Childcare Access Means Parents  
in School Program*  
U.S. Department of Education  
\$89,123

**Penick, Jennifer L.**  
*Supplemental Educational  
Opportunity Grant Program  
(SEOG) 2010/2011*  
U.S. Department of Education  
\$2,422

**Ralston, Keith**  
*Personnel Agreement - Kent*  
Southwestern Ohio Council for  
Higher Education  
\$4,265

**Ulliman, Jeff**  
*Federal Stimulus Funds: Main  
Campus 2010/2011*  
Ohio Board of Regents  
\$9,173,762

**Ulliman, Jeff**  
*Federal Stimulus Funds: Lake  
Campus 2010/2011*  
Ohio Board of Regents  
\$287,253

## **Vice President for Curriculum and Instruction**

**Dewberry, Brenda I.**  
*Building Successful Futures*  
U.S. Department of Education  
\$250,000

**Hoffman, Christopher**  
*Upward Bound Summer Lunch  
Program*  
Ohio Department of Education  
\$4,998

**Sayer, Cathy**  
*Civic Leaders Scholarship*  
Ohio Campus Compact  
\$11,320

**Sudkamp, Thomas A.**  
*Growing the STEMM Pipeline in  
the Dayton Region: Becoming an  
International Center of Excellence  
for Human Effectiveness/Human  
Performance*  
Ohio Board of Regents  
\$1,095,110

**Sudkamp, Thomas A.**  
*Articulation and Transfer*  
Ohio Board of Regents  
\$1,062,246

**Sudkamp, Thomas A.**  
*Articulation and Transfer*  
More Than One Source of Support  
\$273,610

**Sudkamp, Thomas A.**  
*Articulation and Transfer*  
Ohio Board of Regents  
\$76,000

## **Vice President for Research and Graduate Studies**

**Bantle, Jack A.**  
*Ohio's Research Challenge:  
2009-2011 Biennium*  
Ohio Board of Regents  
\$268,140

**Dowling, Thomas P.**  
*Ohio Board of Regents Tech Grant*  
Ohio Rehabilitation Services  
Commission  
\$60,000

**Dowling, Thomas P.**  
*Ohio Board of Regents Tech Grant*  
Ohio Rehabilitation Services  
Commission  
\$60,000

**Dowling, Thomas P.**  
*Born Again Textbooks*  
Ohio Rehabilitation Services  
Commission  
\$35,000

**Dowling, Thomas P.**  
*Born Again Textbooks*  
Ohio Rehabilitation Services  
Commission  
\$35,000

**Fendley, Ryan D.**  
*Developing the Next Generation:  
Expanding SOCHE's Co-op,  
Internship, and Fellowship  
Programs*  
Southwestern Ohio Council for  
Higher Education  
\$8,000

**Hsu, Andrew T.**  
*Advanced Power Sources for  
Future Soldiers*  
Indiana University  
\$204,200

**Kidambi, Phani**  
*Web Yoga Spider Xchange  
System Research, Development,  
and Deployment*  
Web Yoga, Inc.  
\$514,400

**Kidambi, Phani**  
*Support Web Yoga System  
Development and Deployment*  
Web Yoga, Inc.  
\$321,500

**Kidambi, Phani**  
*LexisNexis Support*  
Allegis Group Services, Inc.  
\$64,480

**Kidambi, Phani**  
*Social Media-Monitoring Solution*  
ThruTi Information Labs Limited  
\$50,400

**Magill, John M.**  
*OhioLINK*  
Ohio Board of Regents  
\$4,824,984

**Magill, John M.**  
*Ohio's Scaffold to the Stars*  
Educause  
\$750,000

**Magill, John M.**  
*The A-DRM Consortium:  
Extending the Accessibility of  
Digital Textbooks and Other  
Learning Materials*  
Ohio Rehabilitation Services  
Commission  
\$89,500

**Miller, Aaron N.**  
**Wysong, Mark**  
*Automated Military Justice  
Analysis and Management System  
(AMJAMS) Enhancement  
Professional Services Support*  
Illumination Works LLC  
\$692,329

**Miller, Aaron N.**  
**Gebhart, Mark E.**  
*Modular Emergency Medical  
System (MEMS) Support*  
Ohio Department of Health  
\$250,000

**Miller, Aaron N.**  
**Gebhart, Mark E.**  
**Hamilton, Glenn C.**  
*Warfighter Interface Readiness  
Technology Operations (WIRTO)  
Support*  
Ball Aerospace  
\$172,113

**Miller, Aaron N.**  
*Rhino Corps Research and Project  
Support*  
Rhino Corps, LTD  
\$28,350

**Miller, Aaron N.**  
**Wysong, Mark**  
*Dayton Foundation Services  
Support*  
Dayton Foundation  
\$25,000

**Miller, Aaron N.**  
**Wysong, Mark**  
*Dayton Foundation Business  
Rules Analysis*  
Dayton Foundation  
\$17,382

**Miller, Aaron N.**  
*Illumination Works Research and  
Project Support*  
Illumination Works LLC  
\$15,741

**Miller, Aaron N.**  
*Biomedical Instrumentation and  
Electronics Engineering Support*  
Universal Energy Systems, Inc.  
\$11,025

**Skipper, Julie**  
*WearABLE Computing for  
Students with Mild-to-Moderate  
Cognitive Disabilities*  
Ohio Rehabilitation Services  
Commission  
\$63,528

**Wysong, Mark**  
*InfoSciTex: ATEA Task Order  
0005*  
InfoSciTex  
\$189,040

**Wysong, Mark**  
*Logistics Coordination and Flight  
Test Support for AFRL/RYRA at  
Talisman Sabre 2011*  
Intelligent Software Solutions,  
Inc.  
\$149,884

**Wysong, Mark**  
*InfoSciTex: ATEA Task Order  
0004*  
InfoSciTex  
\$110,753

**Wysong, Mark**  
*Testing and Test Assets Support*  
MacAulay-Brown, Inc.  
\$97,009

**Wysong, Mark**  
*Economic Impact Study of the  
Expeditionary Combat Support  
System (ECSS) on the Dayton  
Regional Economy*  
Curtis Consulting  
\$21,659

**Wysong, Mark**  
*InfoSciTex: ATEA Task Order  
0001*  
InfoSciTex  
\$9,460

**Wysong, Mark**  
*Foreign Air and Space  
Technologies (FAST) III*  
Booz Allen Hamilton  
\$0

**Wysong, Mark**  
*Ohio Health Information  
Partnership*  
Greater Dayton Area Health  
Information Network (GDAHIN)  
\$0

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Sponsored Programs  
Wright State University  
201J University Hall  
Dayton, Ohio 45435  
Voice: 937 775-2425  
FAX: 937 775-3781  
email: [rsp@wright.edu](mailto: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](mailto:jack.bantle@wright.edu)

#### Administrative Support Coordinator Research and Graduate Programs

Diane Hamilton [diane.hamilton@wright.edu](mailto:diane.hamilton@wright.edu)

### Office of Research and Sponsored Programs

#### Assistant Vice President for Research

Ellen Reinsch Friese [ellen.friese@wright.edu](mailto:ellen.friese@wright.edu)

#### Director, Pre Award

Jackie A. Frederick [jackie.frederick@wright.edu](mailto:jackie.frederick@wright.edu)

#### Director, Post Award

Glen Jones [glen.jones@wright.edu](mailto:glen.jones@wright.edu)

#### Associate Directors

Yun Wu [yun.wu@wright.edu](mailto:yun.wu@wright.edu)

Deborah Lundin [deborah.lundin@wright.edu](mailto:deborah.lundin@wright.edu)

#### Assistant Directors

Marianne Shreck [marianne.shreck@wright.edu](mailto:marianne.shreck@wright.edu)

Sheila Bensman [sheila.bensman@wright.edu](mailto:sheila.bensman@wright.edu)

#### Grants Accountant 2

Danielle Booth [danielle.booth@wright.edu](mailto:danielle.booth@wright.edu)

#### Grants Accountants

Gene Florkey [gene.florkey@wright.edu](mailto:gene.florkey@wright.edu)

Elaine Davis [elaine.davis@wright.edu](mailto:elaine.davis@wright.edu)

Kim Owens [kim.owens@wright.edu](mailto:kim.owens@wright.edu)

#### Administrative Coordinator ( IRB)

Robyn Wilks, CIM [robyn.wilks@wright.edu](mailto:robyn.wilks@wright.edu)

#### Programs Facilitators

Cheryl Nickoson [cheryl.nickoson@wright.edu](mailto:cheryl.nickoson@wright.edu)

Christine Piekkola [christine.piekkola@wright.edu](mailto:christine.piekkola@wright.edu)

Jan Power [rsp@wright.edu](mailto:rsp@wright.edu)

#### Program Coordinator

Jodi Blacklidge [jodi.blacklidge@wright.edu](mailto:jodi.blacklidge@wright.edu)

#### Undergraduate Assistants

Olivia Woodruff

Andrianna Milton

Jennifer Schmidt