The Wright State University Research Council recently convened to review submissions to its 2012 competition for the Research Initiation and Professional Development Grant Program. The Council received 33 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 its congratulations to the 13 new awardees:

### Research Initiation

<table>
<thead>
<tr>
<th>Name</th>
<th>College</th>
<th>Title</th>
<th>Amount</th>
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<tr>
<td>Bae, Ha-Rok</td>
<td>CECS</td>
<td>Knowledge Extraction Using Engineering Data Analysis</td>
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<td>Brewer, Tracy</td>
<td>CoNH</td>
<td>Interdisciplinary Faculty Beliefs and Organizational Readiness for Curricular Integration of Evidence-Based Practices</td>
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<td>Ganapathy, Subashini</td>
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<td>Cognitive Framework for Minimally Invasive Surgical Procedures</td>
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<td>Hance, Dennis</td>
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<td>Autonomous and Remote Control Aircraft and Watercraft Research Platforms for Air and Water Sampling of the Grand Lake St. Mary’s Area</td>
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<td>Lyons, Brian</td>
<td>RSCoB</td>
<td>Investigating Individual Difference Antecedents and Outcomes of Why (or Why Not) Employees Report Counterproductive Work Behaviors</td>
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<td>Peters, Jeffrey</td>
<td>CoSM</td>
<td>Disentangling the Effects of Drift and Selection on Genetic Diversity in Anas Ducks</td>
<td>$10,000</td>
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<td>Roberts, Rory</td>
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<td>Advanced UAV Propulsion System with SOFC Based Combustor</td>
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<td>Yang, Zifeng</td>
<td>CECS</td>
<td>Characterization and Restriction of Turbulence and Noise in the Wake of Wind Turbines</td>
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### Professional Development

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<td>Hartzler, Lynn</td>
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<td>Identification of Chemosensitive Regions of Poikilotherms with Variable pH Regulating Strategies</td>
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<td>Hennessy, Michael</td>
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<td>Collaborations on Behavior Development</td>
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<td>Mejia-LaPerle, Carol</td>
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<td>John Ogilby’s Atlas Chinensis and Seventh Century English Translation of Global Encounters</td>
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<td>Rante, Danielle</td>
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<td>Iceland Research: Markers of Time</td>
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<td>CoLA</td>
<td>Unsung Heroines, Untold Stories of the SSBC Bombing</td>
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Winners Announced for Annual Research Initiation and Professional Development Grants
Notes from the AVP:

Redefining Federal Government Efficiency?

The Federal government is soliciting comments on their ideas for increasing “efficiency and effectiveness of grant programs by eliminating unnecessary and duplicative requirements” (Federal Register, Vol. 77, pg. 11778 https://federalregister.gov/a/2012-4521). In the referenced issue of the Federal Register, the Office of Management and Budget has published an “Advance Notice of Proposed Guidance” for the “Reform of Federal Policies Relating to Grants and Cooperative Agreements; Cost Principles and Administrative Requirements (Including Single Audit Act).” For those of us on campuses who administer research and for those who actually do the research, the idea of reform in this area sounds very appealing. But just what is the government proposing?

I guess the best news is that there is some commitment on the part of the government to reform requirements that are seen by them as “overly burdensome.” The major areas of reform identified at the top level are “Reforms to Audit Requirements” and “Reforms to Cost Principles.” These both appear to be excellent starting points! It makes sense to concentrate resources on entities that are higher-dollar and higher-risk and reduce the burden for lower risk areas. This probably would not have an impact on WSU, but very small entities might be saved some of the heartache. And we may all benefit from the proposed idea of “Streamlining the universal compliance requirements in the Circular A-133 Compliance Supplement.” WSU falls under the requirements for A-133.

There are a lot of very appealing words in the Federal Register announcement: coordination, consolidation, providing alternatives, reducing negotiation costs, etc. Our researchers might particularly appreciate the idea of “charging directly allocable administrative support as a direct cost” or “exploring alternatives to time-and-effort reporting requirements for salaries and wages.” And I am sure that this idea would be a big hit: “For indirect (‘facilities and administrative’) costs, using flat rates instead of negotiated rates” or the option of establishing a mandatory flat rate that is discounted.

For researchers searching for funding opportunities, the Federal government is proposing to create a standard format for funding opportunity announcements and would require Federal agencies to provide a 90-day notice of those opportunities. If only they could require that a proposal is submitted 24 hours in advance of a deadline. That would be a reform we could really support!

It will be interesting to watch how this all plays out. The deadline for comments was April 30, 2012, and we are relying on our colleagues at the Council on Governmental Relations (COGR) to officially respond on behalf of its membership. We will keep you posted (especially if that discounted indirect cost rate comes to pass).

Ellen
Robert E. W. Fyffe, Ph.D., professor of neuroscience, cell biology, and physiology, was named Vice President for Research and Graduate Studies effective in February 2012. He replaced Dr. Jack Bantle, who retired in January 2012. A member of Wright State’s faculty since 1992, in his most recent appointment as Associate Dean for Research Affairs at the Boonshoft School of Medicine (which began in April 2001), Dr. Fyffe was responsible for overseeing programs that supported the medical school's research activities in the basic and clinical sciences.

From 2000 to 2006, Dr. Fyffe also served as director of Wright State's Center for Brain Research. In 2007, the Boonshoft School of Medicine significantly expanded the scope and mission of the Center for Brain Research by establishing the Comprehensive Neuroscience Center (CNC) for improving research of neurological, developmental, cognitive, psychiatric, and trauma-induced nervous system disorders.

A native of Alexandria, Scotland, Dr. Fyffe received a B.Sc. degree with honors in biochemistry from the University of Glasgow. He holds M.Sc. and Ph.D. degrees in neurophysiology from the University of Edinburgh.

Before joining Wright State’s faculty, he was a research fellow at the Australian National University and a faculty member at the University of North Carolina at Chapel Hill. Dr. Fyffe's research on the anatomy and physiology of nerve cells is funded by the National Institutes of Health (NIH).

In 2008, Dr. Fyffe received the distinction of being named a University Professor. The title is a special rank awarded by the Wright State University Board of Trustees. It is reserved for full professors who have made outstanding contributions beyond the confines of their own discipline.

Dr. Fyffe brings with him a proven record of administering programs that support research activities and will provide the leadership necessary to maintain Wright State University’s excellence in research, scholarship, and graduate programs. He will also be a strong advocate for the diverse constituencies involved in the university's research enterprise. RSP staff look forward to working with Dr. Fyffe in assisting Wright State faculty to be successful in their research endeavors.

RSP Welcomes Dr. Robert E. W. Fyffe, New Vice President for Research and Graduate Studies

RSP Orientation Seminar

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 Tuesday, October 16, the Office of Research and Sponsored Programs will conduct an orientation seminar for ALL interested faculty. We will 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 E156B/C 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!
In effect since January 2011, the National Science Foundation continues to enforce its Revised Cost Sharing Policy, which includes two significant changes:

1) except when required in an NSF solicitation, inclusion of voluntary committed cost sharing is prohibited, and
2) NSF-required mandatory cost sharing will only be required when explicitly authorized by the NSF Director.

What does this mean for your proposal?
When you are completing a proposal for the National Science Foundation, either as the lead applicant or a subaward to another entity, you are not allowed to include any information regarding voluntary committed cost share either in the budget or budget justification. Instead, according to the NSF Revised Cost Sharing Policy Frequently Asked Questions (FAQ), “in order to assess the scope of the project, all organizational resources necessary for the project (both physical and personnel) must be described in the Facilities, Equipment and Other Resources section of the proposal (see NSF Grant Proposal Guide (GPG) Chapter II.C.2.i for more information). The description should be narrative in nature and must not include any quantifiable financial information. Narrative descriptions of the resources available (both physical and personnel) should be included in the Facilities section and not in other areas of the proposal.”

What happens if you submit a proposal to NSF that does not comply with the NSF Revised Cost Sharing Policy?
According to the Policy FAQs, “while references to voluntary committed cost sharing may not always be identified during initial administrative screening of proposals, should violations of the policy be found during merit review or budget negotiation, the proposer does run the risk of the proposal being returned without review or declined.”

If you are unsure about how this policy may affect your future proposals, visit and review the Policy FAQs (http://www.nsf.gov/publications/pub_summ.jsp?ods_key=costsharefaqs). If you continue to have questions, please contact the RSP PreAward Administrator for your department at ext. 2425 for further information and guidance.

SALARY CAP LOWERED ON NIH AWARDS
On December 23, 2011, the Consolidation Appropriations Act, 2012 (Public Law 112-74) was signed into law, restricting the amount of direct salary to Executive Level II of the Federal Executive Pay scale, which is $179,700. Given the timing of the passage of the Act in the midst of Federal Fiscal Year 2012, NIH has provided the following guidance for applying the cap:
• For competing and non-competing grants with a FY12 initial issue date of 10/01/2012 to 12/22/2011, the previous salary cap of $199,700 applies initially. In future years, the new cap will apply; competing grants will have their budgets adjusted downward with no option to rebudget the excess funds, and non-competing grant budgets will be allowed to rebudget their excess funds.
• For competing and non-competing grants with an FY12 initial issue date of 12/23/2011 or later, the new cap of $179,700 will apply. For competing grants, the award for current and future years will be adjusted downward; for non-competing grants, awards will not be adjusted downward and, unless otherwise restricted, grantees may rebudget excess funds. If you are interested in reading the originally issued NIH notice regarding the new salary cap, see: http://grants.nih.gov/grants/guide/notice-files/NOT-OD-12-035.html. If you want to learn more about how the new salary cap affects your current project, or want additional information on how this policy may affect future applications, contact the RSP PreAward Administrator for your area at ext.2425.

(Continued)
INFLATION CAPPED ON NIH AWARDS

With the passage of the Consolidation Appropriations Act, 2012 (Public Law 112-74) on December 23, 2011, the NIH received $30.7 billion for its Federal Fiscal Year 2012 budget, which reflects an increase of less than one percent over FY2011. In an attempt to effectively manage its portfolio of research investments, NIH drafted a Fiscal Operations Policy for FY2012, which includes the following policy items:

• Non-competing awards will be issued without inflationary adjustments in FY2012, though adjustments for special needs (equipment and added personnel) will still be considered.

• The NIH will make an effort to keep the average size of award constant at FY2011 levels or lower.

• Inflationary increases for future years beyond FY2012 will be discontinued for competing/non-competing awards issued in FY2012, though adjustments for special needs (equipment and added personnel) will still be considered.

• FY2012 awards already issued will be revised to adjust the award level and future commitments to reflect the new policy.

• NIH will institute a 2% inflationary increase at all stipend levels for the Ruth L. Kirschstein National Research Service Awards.

As described in the earlier article regarding the salary cap, the new NIH salary cap is $179,700 applied accordingly to competing and non-competing awards.

If you want to learn more about how the NIH Fiscal Operations Policy for 2012 affects your current project, or want additional information on how it may affect future applications, call ext. 2425 for the RSP PreAward Administrator for your area.

EHS NEWS

Points of Contact at Environmental Health & Safety

The Department of Environmental Health and Safety serves to ensure a safe and healthy environment for all students, employees, and visitors to Wright State University in support of the university’s overall mission. Our mission integrates into the needs of researchers through the required protocol approval processes to ensure safe laboratory practices. Please contact our office for assistance.

Marjorie Markopoulos, Biological and Chemical Safety Officer

Marjorie oversees chemical hygiene, biological safety, bloodborne pathogen, respiratory protection, and the departmental hazardous material response programs. She also serves on the Institutional Biosafety and Animal Care and Use Committees.

If your research involves the use of chemical or biological material you can contact Marjorie at ext. 2797 or at marjorie.markopoulos@wright.edu

Kimberly Morris, Radiation Safety Officer

Kimberly manages and maintains responsibility for the safe use and control of radioactive materials, radiation-generating equipment, lasers, radon, and non-ionizing radiation sources at the university. In this capacity, she serves on and coordinates the business of the Radiation Safety Committee. For all radiation and laser issues, contact Kimberly Morris at ext. 2169 or kimberly.morris@wright.edu. For more information on any of our safety related programs please visit our website at http://www.wright.edu/administration/ehs/.
ADVICE FROM THE NIH (AND RSP):
SUBMIT EARLY!

“One as the electronic submission process has improved, so have the potential dangers when submitting an application near the deadline.”
(from a December 2011 NIH Article, The Dangers of Delay)

One of the most critical pieces of advice funding agencies give out (repeatedly) is “submit your proposal early.” While it may seem, in the age of electronic submission via Grants.gov, eRA Commons, and Fastlane, that the guesswork of on-time submission is removed, additional pitfalls emerge the closer one is to the stated deadline. In one recent December deadline for NIH, the agency noted that more than 1,000 applications were submitted in the final hour. They offered the following scenario as an example of what could happen in that final hour:

- The application is due at 5 p.m.
- The proposal is submitted at 4 p.m. on the due date.
- Processing takes an hour and 45 minutes.
- Two errors were identified.

This rush of submissions can create a potential back-log in processing; checking for errors can take up to 4 hours (remember: a submission must be error free before it can be sent on for review). With the discovery of the two errors, a proposal submission for correction is now 45 minutes beyond the stated deadline and NIH policy will not allow for the consideration of the application.

Scenarios like this can be avoided by submitting several hours and/or days in advance of the deadline. Research and Sponsored Programs strongly encourages you to contact them when you first make the decision to submit an application for funding (see diagram below). We can provide the assistance you need for a successful submission, especially if we are aware of your proposal needs!

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**Identify Funding Opportunity**

Notify RSP PreAward Administrator of upcoming submission.

**Prepare Proposal**

Work with project personnel, collaborators, and RSP to complete narrative, budget and grant forms.

**Submission of Proposal**

Proposal submission, especially electronic formats, should be completed at least 24 hours in advance of the deadline.

**Final Proposal to RSP**

The final form proposal should be submitted to RSP at least 5 business days prior to deadline. If the proposal is received in less than five days, RSP cannot guarantee on-time submission.
SPIN Funding Database Available!

The Office of Research and Sponsored Programs (RSP) has now transitioned away from its previous subscription to the Community of Science (COS) funding database and adopted the new Sponsored Programs Information Network (SPIN) database. SPIN will provide a quality, Google-style search experience built upon numerous user-identified parameters.

While InfoEd Global, the creators of SPIN, continues to update the database’s capabilities, Wright State University has been provided access to it for active use by all faculty, staff, and students. It can be reached by visiting the following link located at the RSP funding opportunities web page: http://www.wright.edu/rsp/resources.html. Please note the following current, mid-term limitations:

• Wright State University faculty, staff, and students can access SPIN while on campus (within the WSU data network) or off campus using Virtual Private Networks (VPN) procedures.
• Users can actively search SPIN and download opportunities to MS Word or Excel.

In the coming months, SPIN will allow users to save funding searches and utilize an email notification system.

Throughout the summer months and into the new semester, RSP will provide ongoing training on SPIN and other InfoEd modules as they become available. Training sessions will be advertised on the faculty/staff listservs. To attend one of the scheduled sessions, please RSVP at your earliest convenience to Jan Power (rsp@wright.edu or ext. 2425). If you are unable to attend the scheduled trainings, would prefer individualized guidance on navigating the new system, or simply have some questions/concerns, please contact Katie Feldhues at rsp@wright.edu or ext. 2425, or Deborah Lundin at deborah.lundin@wright.edu or ext. 2423.

PreAward NEWS

The PreAward staff in Research and Sponsored Programs is working diligently on the implementation of the InfoEd module for proposal development (PD). The PD module will be used to prepare proposals for the system-to-system transmission of Grants.gov proposals and the internal routing of all proposals. We have been preparing processes and test cases to ensure that when we go live with the departments selected for a pilot program, it will be a smooth transition. We will keep you updated on our progress and keep you alerted to any training that will be made available for the new procedures.
Boonshoft School of Medicine

Bienenfeld, David G.
Community Psychiatry Training Program
Ohio Department of Mental Health
$15,000

Boivin, Gregory
Biopsy Study
Devicor Medical Products, Inc.
$37,687

Boivin, Gregory
Cool, David R.
Purified Snake Venom Study
Central State University
$36,130

Brown, James E.
Kirkpatrick, Daniel
Civilian Aeromedical Evacuation Sustainment Training (CAEST)
University of Memphis
$295,827

Brown, James E.
Kirkpatrick, Daniel
Civilian Aeromedical Evacuation Sustainment Training (CAEST)
University of Memphis
$66,127

Carlson, Robert G.
Falck, Russel S.
Trajectories of Illicit Pharmaceutical Opioid Use Among Young Adults in Ohio
National Institute on Drug Abuse
$587,032

Carlson, Robert G.
Falck, Russel S.
Buprenorphine Post-Marketing Surveillance
CRS Associates, LLC
$3,240

Carr, Carey J.
The Paths to Recovery Project
Greater Cincinnati Behavioral Health Services
$20,000

Carr, Carey J.
McMicken Integrated Care Initiative
Greater Cincinnati Behavioral Health Services
$5,000

Cauley, Katherine L.
Simmons, Dionne M.
Kinship Navigator Consortium CY2012
Montgomery County Children Services
$128,900

Cauley, Katherine L.
AHEC Support
Ohio Board of Regents
$94,332

Chen, Yanfang
Durrant, Michelle Lee
Mentor Based Minority Undergraduate Internship Training in Undergraduate Internship in Diabetes Research
American Diabetes Association - National
$3,000

Cool, David R.
Lucot, James B.
Protection Against Sarin-Induced Neurotoxicity via an In Vivo Caspase Inhibitor
National Institute of Neurological Disorders and Stroke
$365,000

Cope, Timothy C.
Rich, Mark M.
Synaptic Function: Effects of the Nerve Injury, and Altered Activity
National Institute of Neurological Disorders and Stroke
$939,835

Di Fulvio, Mauricio
Painful Diabetic Neuropathy,
New Potential Treatment Options
Diabetes Research & Education Foundation
$15,000

Di Fulvio, Mauricio
Role of Na+K+2CL Co-Transporters in Insulin Secretion
American Diabetes Association - National
$3,000
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<td>Miscellaneous Awards Under DCOP Fiscal Agency Agreement</td>
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<td>Dayton Clinical Oncology Program</td>
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<td>Duren, Dana L.</td>
<td>Siervogel, Roger M. Genetic, Somatic, and Maturational Influences on Pediatric Skeletal Health</td>
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<td>Ellison, Sylvia A.</td>
<td>Eddy, Christopher Direct Observation of Local Public Health</td>
<td>Case Western Reserve University</td>
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<td>Falck, Russel S.</td>
<td>Carlson, Robert G. Preventing Unintentional Prescription Drug Poisoning</td>
<td>Public Health Dayton and Montgomery County</td>
<td>$78,500</td>
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<td>Ford, JoAnn</td>
<td>Williams, Carlton Healthy Brothers - Healthy Sisters</td>
<td>Substance Abuse and Mental Health Services Administration</td>
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<td>Williams, Carlton Our Women's Health Promotion Project (OWHPP)</td>
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<td>Ohio Department of Mental Health</td>
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<td>Miller, Aaron N. Modular Emergency Medical System (MEMS) Support 2012</td>
<td>Ohio Department of Health</td>
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<td>Hamilton, Glenn C.</td>
<td>Regional Healthcare Preparedness Grant</td>
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<td>FY2010 State Homeland Security Program (SHSP)</td>
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<td>Support for Director of Child and Adolescent Psychiatry</td>
<td>Ohio Department of Mental Health</td>
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<td>Ladle, David R.</td>
<td>Mechanisms of Reciprocal Inhibition Development</td>
<td>National Institute of Neurological Disorders and Stroke</td>
<td>$319,375</td>
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<td>The Genomic Psychiatry Cohort</td>
<td>University of Southern California</td>
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<td>Lucot, James B.</td>
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<td>Epiomed</td>
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<td>Evaluation of ETI-385 on the Elevated Plus Maze Following Subcutaneous Administration</td>
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<td>Antiemetic and Pharmacokinetic Study</td>
<td>Epiomed</td>
<td>$1,500</td>
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Lucot, James B.
_Evaluation of Drug on the Elevated Plus Maze Following Subcutaneous Administration_
Epiomed
$1,208

Lucot, James B.
_Construction of 3 Observation Chambers for Experiments_
Epiomed
$938

Lucot, James B.
_Evaluation of Drugs Project_
Epiomed
$700

Lucot, James B.
_Pilot Blood Draws for Feasibility of Pharmacokinetics Study_
Epiomed
$691

Lucot, James B.
_Pharmacokinetic Study of ETI-385 in Shrews_
Epiomed
$485

Morris, Mariana
_PREP Scholars_
National Institute of General Medical Sciences
$317,737

Morris, Mariana
_Translational Biomedical Training for Underrepresented Minorities_
U.S. Department of Education
$150,000

Morrison, Ann K.
_Adult Professorship of Community Psychiatry: Ohio Department of Mental Health_
Ohio Department of Mental Health
$15,000

Nahhas, Ramzi
_Sherwood, Richard J._
_Longitudinal Modeling of Craniofacial Growth Trajectories_
National Institute of Dental and Craniofacial Research
$131,400

Organisciak, Daniel T.
_Antioxidants and Retinal Gene Expression Profiles_
Ohio Lions Eye Research Foundation
$7,900

Orlowski, Marietta A.
_Lorson, Kevin_
_Create A Classroom That Moves_
Ohio Department of Education
$45,661

Pickoff, Arthur S.
_Reach Out of Montgomery County (Fiscal Year 2011/2012)_
Reach Out of Montgomery County
$106,794

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
$5,075

Sahiar, Farhad
_Aerospace Medicine Training for the Era of Moon, Mars, and Beyond_
National Aeronautics and Space Administration
$50,000

Sherwood, Richard J.
_Duren, Dana L._
_Genetic Architecture of the Human Dentognathic Complex_
National Institute of Dental and Craniofacial Research
$693,512

Sherwood, Richard J.
_AAOF Legacy Collection Project, Stage II: Development of a Longitudinal Craniofacial Records Base for Teaching and Research_
American Association of Orthodontists Foundation
$12,500

Stevens, Rick Brian
_STAT Trial_
Genzyme Corporation
$1,138,000

Tchorz, Kathryn
_Borges, Nicole J._
_GWish-Templeton Reflective Rounds Project_
George Washington University
$25,000
Towne, Bradford  
Czerwinski, Stefan Aleksander  
Genetics of Bone Structure and Metabolism  
Texas Biomedical Research Institute  
$71,083

Towne, Bradford  
Czerwinski, Stefan Aleksander  
Genetics of Infant Growth and Later Obesity  
University of Minnesota  
$69,999

Williams, Carlton  
Substance, Testing, and Education Program Using Prevention (STEP-UP)  
Substance Abuse and Mental Health Services Administration  
$299,938

Williams, Carlton  
STEP-UP Testing Capacity  
Substance Abuse and Mental Health Services Administration  
$49,999

Wilson, Josephine F.  
The Mount Olive One-Stop Center  
Substance Abuse and Mental Health Services Administration  
$499,455

Wilson, Josephine F.  
eCAM: A Virtual Health Information One-Stop  
Substance Abuse and Mental Health Services Administration  
$279,990

Wilson, Josephine F.  
Fraker, Susan M.  
Deaf Off Drugs and Alcohol: Evaluating a Technology-Assisted E-Therapy Program for SUD Treatment  
U.S. Department of Education  
$84,324

Wrenshall, Lucile E.  
The Role of Interleukin-2 Vascular Smooth Cell Homeostasis  
National Heart, Lung, and Blood Institute  
$90,000

Wyatt, Christopher N.  
AMP-Activated Protein Kinase and Oxygen Sensing  
National Heart, Lung, and Blood Institute  
$295,650

College of Education and Human Services

Hanby, Donna  
Teacher Performance Assessment for Ohio  
American Association of Colleges for Teacher Education  
$65,000

Harris, Charlotte M.  
Ohio STEM Learning Network  
Ohio STEM Learning Network  
$28,571

Keener, Catherine D.  
McIlvenna, Noeleen  
The Wright Intervention  
U.S. Department of Education  
$100,000

Lindsey, Jill L.  
Franco, Suzanne  
OPES Scenarios Project: Rubric Criteria Development  
Ohio Department of Education  
$15,400

Lyon, Anna  
Reading Recovery: Scaling Up What Works  
Ohio State University  
$63,000

Lyon, Anna  
Reading Recovery: Scaling Up What Works  
Ohio State University  
$18,000

College of Engineering and Computer Science

Bourbakis, Nikolaos G.  
A Methodology for the Deterministic Detection of Program Flow Hijacking (PFH)  
DoD, Office of Naval Research  
$109,377

Cao, Caroline  
Laparoscopic Surgery Training System (LASTS II)  
Charles River Analytics Inc.  
$176,510

Dong, Haibo  
Optimal Injection Setting and Thermodynamic Analysis of DISI Rotary Engine  
Baker Engineering, Inc.  
$30,000
Dong, Haibo  
*CFD Modeling at Wright State University*  
Engine Research Associates, Inc.  
$21,005

Emmert, John M.  
*Active Transmit Attenuation and Cancellation (ATAC)*  
DoD, Air Force Office of Scientific Research  
$73,000

Fendley, Mary E.  
*Support for Evaluating the Human Effectiveness of GOST*  
Radiance Technologies  
$17,000

Fendley, Mary E.  
*Medical Image Analysis for FMI Sensors*  
FMI Technologies, Inc.  
$2,875

Gallimore, Jennie J.  
*Systems and Human Factors Engineering Analysis of the E-consult Program Innovation*  
Veterans Affairs Medical Center  
$83,760

Gallimore, Jennie J.  
Tsang, Pamela S.  
*Flight Deck Display and Control Requirements Human Factors Study*  
U.S. Department of Transportation, Federal Aviation Administration  
$19,766

Ganapathy, Subhashini  
*Assessing User Interactions in Web-Based Portals for Media Consumption Phase I*  
Intel  
$120,000

Ganapathy, Subhashini  
*User Experience Testing for Consumer Notebook Usage*  
Intel  
$20,000

Ganapathy, Subhashini  
*User Experience Assessment for Secure Web Transactions*  
Intel  
$15,000

Ganapathy, Subhashini  
*Understanding Consumer Media Consumption*  
Intel  
$15,000

Goshtasby, A. Ardeshir  
*Medical Image Analysis for FMI Sensors*  
FMI Technologies, Inc.  
$17,005

Grandhi, Ramana V.  
*Collaborative Center in Multidisciplinary Sciences (CCMS)*  
Virginia Polytechnic Institute and State University  
$29,037

Hangartner, Thomas N.  
*Bone-Density Data Analysis*  
Shire Human Genetic Therapies, Inc.  
$152,339

Hangartner, Thomas N.  
*Planning Grant for Randomized Trial Comparing Active Vitamin D, Cholecalciferol, and Placebo for the Treatment of CKD-Mineral Bone Disorder*  
Indiana University  
$21,862

Hitzler, Pascal  
*Web Reasoning Enhancing Student Education by Conference Participation*  
National Science Foundation, Miscellaneous  
$14,850

Huang, George  
Srinivasan, Raghavan  
*Femtosecond Pulsed Laser for Advanced Laser Manufacturing*  
Ohio Board of Regents  
$232,918

Huang, George  
*Center for Micro Air Vehicle Studies (SMAVS) MAV Design, Analysis, and Flight Testing*  
DoD, Air Force, Air Force Research Laboratory  
$67,000

Huang, George  
*Center for Micro Air Vehicle Studies (CMAVS)*  
DoD, Air Force, Air Force Research Laboratory  
$30,000

Huang, Hong  
*Travel Support for Students to Attend Materials Science and Engineering Society Events*  
ASM International  
$500

Jean, Jack S.  
*Observe Pattern of Life and Predict Individual Behavior*  
Systems Research and Applications International  
$11,680

Kazimierczuk, Marian K.  
*Microscale Power Conversion (MPC)*  
Rockwell Collins Inc.  
$87,077
Mawasha, P. Ruby  
*Ohio Space Grant Consortium Scholarship/Fellowship Program*  
2011/2012  
Ohio Space Grant Consortium  
$15,500

Menart, James A.  
*Next-Generation Ion Thruster Design Tool to Support Future Space Missions*  
Tech-X Corporation  
$79,995

Mukhopadhyay, Sharmila M.  
*Water Purification Using Nano-Enabled Solutions*  
MetaMateria Partners LLC  
$110,000

Mukhopadhyay, Sharmila M.  
*A Molecular Modeling Approach to Predicting Elastic and Failure Behavior of Thermosetting Polymer*  
DoD, Air Force Office of Scientific Research  
$60,000

Narayanan, Sundaram  
*Use-Centered Advanced Technology Development from Prototype to Applications*  
SOA Architects  
$1,600,000

Narayanan, Sundaram  
*Biobehavioral Performance and Biosignatures Research and Development (BPBRD)*  
InfoSciTex  
$40,000

Raymer, Michael L.  
*Ohio Consortium for Bioinformatics*  
Ohio University  
$47,000

Reynolds, David B.  
*Acquisition of a Transonic Flow Meter and Sensors*  
LifeBridge Technologies, LLC  
$1,855

Rigling, Brian D. and Garber, Fred D.  
*Center for Automatic Target Recognition: Summer Intern Program*  
DoD, Air Force, Air Force Research Laboratory  
$842,553

Rigling, Brian D. and Garber, Fred D.  
*Center for Automatic Target Recognition: Research Infrastructure and Summer Intern Program*  
DoD, Air Force, Air Force Research Laboratory  
$233,000

Rigling, Brian D. and Garber, Fred D.  
*Center for Automatic Target Recognition: Research Infrastructure*  
DoD, Air Force, Air Force Research Laboratory  
$226,187

Rigling, Brian D. and Garber, Fred D.  
*Collaborative Center for Surveillance Research*  
DoD, Air Force, Air Force Research Laboratory  
$132,000

Rigling, Brian D. and Garber, Fred D.  
*Image Truthing of WAMI Data Sets*  
DoD, Air Force, Air Force Research Laboratory  
$115,000
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<td>Shang, Joseph J.S.</td>
<td>A Path-Finding Study for Radiative Heat Exchange in Combustion Chamber</td>
<td>Universal Technology Corporation</td>
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<td>REU Supplement: SoCS: Social Media Enhanced Organizational Sensemaking in Emergency</td>
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<td>Wang, Shaojun</td>
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Wu, Zhiqiang  
*Ultra-Wideband Radio Frequency Vector Signal Generator with Channel Emulation Capability via Frequency Sampling and Parallel Processing Technologies*
Kalos Technologies, Inc.  
$22,500

Xue, Kefu  
*Academic Pipeline and Future Lab at the Edge*
DoD, Air Force, Air Force Research Laboratory  
$56,000

Xue, Kefu  
*Gaming Research Development*
DoD, Air Force, Air Force Research Laboratory  
$14,000

Xue, Kefu  
*Gaming Research Modeling and Simulation*
DoD, Air Force, Air Force Research Laboratory  
$11,000

Young, Henry Daniel  
*DfR Solutions Testing*
DfR Solutions LLC  
$4,200

Zhang, Xinhui  
Liu, Yan  
*Demand Planning and Supply Chain Management*
PECO II, Inc.  
$84,000

**College of Liberal Arts**

Cortes, Tess  
*General Operating Support: Art Galleries*
Ohio Arts Council  
$578

Dockery, Jane L.  
Dustin, Jack L.  
*MCOfuture*
Sinclair Community College  
$27,000

Dockery, Jane L.  
*Champaign County Health District Community Health Assessment: 2011*
Champaign Health District  
$16,072

Dockery, Jane L.  
*Dayton Defense Wright Center for Workforce Preparedness (WCWP)*
Dayton Area Defense Contractors Association (Dayton Defense)  
$11,000

Dockery, Jane L.  
*Facilitation of NPHPS Program*
Greene County Combined Health District  
$4,025

Dustin, Jack L.  
Hooker, Carol M.  
*Perry County Health Department: Behavioral Risk Factor Surveillance System*
Strategy Team, Ltd.  
$8,473

Dustin, Jack L.  
*City of Xenia Citizen Perception Survey*
City of Xenia, Ohio  
$4,200

Dustin, Jack L.  
*Dayton Hispanic Chamber Project*
Dayton Hispanic Chamber  
$2,000

Hooker, Carol M.  
*Yellow Springs Cost of Living Study*
James A. McKee Association  
$6,173

Hooker, Carol M.  
*Assessment of Salary Data*
Association of Ohio Health Commissioners  
$3,000

Hooker, Carol M.  
*Think TV Asthma Evaluation*
Think TV Network (Greater Dayton Public Television)  
$2,500

Jones, Thomas Davidson  
*Montgomery County Solid Waste District: Survey Proposal 2011*
Montgomery County Solid Waste District  
$6,608

Jones, Thomas Davidson  
*Survey of Centerville, Kettering, and Oakwood Residents*
Dr. Barry Taylor  
$3,115

Kennedy, Sandra D.  
*Skill Development for HRMS Professionals: Professional Presentation Skill and Practice*
Veterans Affairs Medical Center  
$7,890

Kennedy, Sandra D.  
*Efficiently Managing Your OLOI Project, Project Assessment, and Strategic Planning*
Veterans Affairs Medical Center  
$7,000
Kennedy, Sandra D.
*Constructive Conflict Resolution and Collaboration*
DoD, Air Force, Wright-Patterson AFB
$2,800

Kennedy, Sandra D.
*Efficiently Managing Your OLOI Project, Project Assessment, and Strategic Planning*
Veterans Affairs Medical Center
$2,200

Stoker, Valerie
*Polemics and Patronage: Vyasatirtha and the 16th-Century Vijayanagara Court*
NFAH, National Endowment for the Humanities
$50,400

Subban, Jennifer
*WSU’s Student Philanthropy Project 2011/2012*
Ohio Campus Compact
$4,000

**College of Science and Mathematics**

Agrawal, Abinash
Amon, James P.
*Bioremediation of Chlorinated Ethenes in the Constructed Wetlands at Wright-Patterson Air Force Base (FY2011/2012)*
Air Force Institute of Technology
$224,998

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

Arlian, Larry G.
Morgan, Marjorie S.(357,546),(426,599)
*Scabies: Biology, Culture, Host Specificity, and Antigens*
National Institute of Allergy and Infectious Diseases
$365,000

Arlian, Larry G.
Morgan, Marjorie S.(314,599),(382,652)
*Scabies: Biology, Culture, Host Specificity, and Antigens*
National Institute of Allergy and Infectious Diseases
$34,173

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

Arlian, Larry G.
*Mite Samples*
More Than One Source of Support
$450

**College of Nursing and Health**

Mainous, Rosalie O’Dell
*Miami Valley Hospital Operating Agreement*
Miami Valley Hospital
$90,000

Sampsel, Debi
*Nursing Institute of West Central Ohio Sustainability*
Sinclair Community College
$50,000

Bahn, Volker
*Literature Review for E & R Impacts*
Rainforest Alliance, Inc.
$8,500

Brown, Elliott
*III-N Devices and Architectures for THz Electronics*
University of Notre Dame
$165,593

Brown, Elliott
*High-Resolution Sensing of DNA Nanostructures in the THz Region*
University of California
$147,700

Brown, Elliott
*Integrated Sensing Using DNA Nanoarchitectures*
Marshall University
$50,000

Brown, Elliott
*Fabrication and Microwave Characterization of Nanocomposite and Intercalated-Graphite Materials*
RNET Technologies, Inc.
$15,128

Cipollini, Donald F.
*Characterization of the Mechanistic and Molecular Basis of Ash Resistance to EAB*
Ohio State University
$100,200

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
$18,800
Farlow, Gary C.  
*Dynamitron Use and Maintenance in Support of Collaborative Material Science Research*  
Air Force Institute of Technology  
$6,419

Farrell, Ann M.  
Tosa, Sachiko  
*Implementing Lesson Study and Measuring Its Impact on Teacher Development*  
Ohio Department of Education  
$216,620

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  
$452,980

Flach, John M.  
Shebilske, Wayne L.  
*System for Information and Meta-Information Portrayal of Lessons-Learned (SIMPL)*  
Aptima, Inc.  
$52,352

Flach, John M.  
Bennett, Kevin B.  
*Sirius Program*  
$46,770

Fox, Jane Lee  
*Coupled Models of Planetary Ionospheres/Thermospheres: Phase B*  
National Aeronautics and Space Administration  
$121,230

Fox, Jane Lee  
*The Hydrocarbon Ion Layer in the Low Altitude Ionosphere of Saturn*  
National Aeronautics and Space Administration  
$115,604

Fox, Jane Lee  
*MAVEN Mission*  
University of Colorado  
$50,000

Gilkey, Robert H.  
*Multisensory Processing Research*  
Ball Aerospace  
$66,718

Goldstein, David L.  
Schneider, Tamera  
*ADVANCE: Increasing the Participation and Advancement of Women in Academic Science and Engineering Careers*  
National Science Foundation, Miscellaneous  
$551,600

Goldstein, David L.  
*Roles and Regulation of Aqua/Glyceroporin in a Freeze-Tolerant Amphibian*  
National Science Foundation, Miscellaneous  
$221,772

Green, Randall F.  
Colle, Herbert A.  
*Software Support for Teen Driver Training Research*  
Virtual Simulation and Training Inc.  
$5,556

Hammerschmidt, Chad R.  
*Mercury Analysis of Environmental Samples*  
More Than One Source of Support  
$7,632

Hammerschmidt, Chad R.  
*Mercury Analysis of Environmental Samples*  
More Than One Source of Support  
$2,215

Hennessy, Michael B.  
Schiml-Webb, Patricia  
*Mechanisms of Social Buffering of Hypothalamic-Pituitary-Adrenal Responses*  
National Science Foundation, Grants for Scientific Research  
$330,000

Higgins, Steven R.  
*Design of a Hydrothermal Atomic Force Microscope and Investigations of Mineral Growth and Dissolution*  
Oak Ridge National Laboratory  
$1,192

Higgins, Steven R.  
*FTIR Analysis of Samples*  
More Than One Source of Support  
$147

Holtvoigt, Anna L.  
Bahn, Volker  
*Habitat Preferences of Pileated Woodpeckers (Dryocopus pileatus) and Their Role as a Keystone Species*  
Sigma XI  
$400
Kenyon, Lisa Orvik  
*Supporting Scientific Practices in Elementary and Middle School Classroom*  
Northwestern University  
$84,767

Kozak, Juliusz Ashot  
*Regulation of Ca2+ Entry Pathways by pH and PI (3,4,5)P3 in Human T. Lymphocyte Activation*  
American Heart Association - National  
$77,000

Kozlowski, Gregory  
*Optical Coating and the BioTech Programs*  
DoD, Air Force, Air Force Research Laboratory  
$25,000

Krane, Dan E.  
Foster, Uohna June  
*DNA Transfer Analysis*  
Forensic Bioinformatics Services, Inc.  
$31,050

Look, David C.  
*Experimental and Theoretical Pursuit of the Ultimate Conductivity in ZnO*  
U.S. Department of Energy  
$332,701

Look, David C.  
*Hall Effect Measurements*  
Wyle Laboratories  
$286,029

Look, David C.  
*Hall Effect Measurements*  
More Than One Source of Support  
$1,250

Lunsford, Suzanne K.  
Slattery, William  
*Partners in Integrated Earth Systems Science (PIES) (ITQ)*  
Ohio Board of Regents - Title II  
$62,754

Medvedev, Ivan  
*Terahertz Signature Modeling for Kill Assessment and Warhead Materials Identification*  
Ohio State University  
$37,883

Miller, Joshua H.  
Bahn, Volker  
*Antlers on the Tundra: Mapping Historical Caribou Calving Grounds and their Nutritional Value*  
U.S. Department of Interior, Fish & Wildlife Service  
$25,000

Pavel, Ioana E.  
*Developing Automated MatLab Methods for the Spectral Analysis of Gases Emitted from Heating Bacteria Spores*  
Oak Ridge Institute for Science and Education  
$2,050

Peters, Jeffrey L.  
*Analysis of Host Associations and Biogeography of Hematozoan Tozoan Parasites in South African Birds*  
University of Cape Town  
$20,000

Peters, Jeffrey L.  
Cipollini, Donald F.  
*Range-Wide Genetic Diversity of Scirpus ancistrochaetus*  
Kendra Cipollini  
$7,305

Reed, Michelle K.  
*Cemex  
$25,000

Shebilske, Wayne L.  
*Research and Analytical Support for the 711th HPW Human Effectiveness Directorate*  
DoD, Air Force, Air Force Research Laboratory  
$65,000
Slattery, William
Lunsford, Suzanne K.
*Science Teaching for Ohio's New Economy (STONE) (ITQ)*
Ohio Board of Regents - Title II
$58,555

Stireman, John O.
*Collaborative Research: The Phylogeny and Evolution of World Tachinidae (DIPTERA)*
National Science Foundation, Grants for Scientific Research
$189,057

Tosa, Sachiko
Farrell, Ann M.
*Lesson Study: Research on Teaching and Learning (ITQ)*
Ohio Board of Regents - Title II
$154,187

Underwood, Kirby A.
Turnbull, Kenneth
*ACS National Meeting Travel Grant FY12*
Petroleum Research Fund - American Chemical Society
$300

Vadeboncoeur, Yvonne
*RET Supplement: Collaborative Research: Consumer Control of High-Productivity/Low-Nutrient Ecosystems: Enhancement of Primary Productivity by Grazing Fish in Lake Tanganyika*
National Science Foundation, Miscellaneous
$12,063

Watamaniuk, Scott N. J.
*Attention Allocation for Voluntary Smooth Eye Movements*
Smith-Kettlewell Eye Research Institute
$129,935

Watamaniuk, Scott N. J.
*Visual Identification of Human Biosignatures via Pattern Recognition-Based Decision Making in Immersive Environments*
InfoSciTex
$51,100

**Lake Campus**

Mawasha, P. Ruby
*Manufacturing Engineering Program Development and Its Potential Impact on Transforming Undergraduate Engineering Curriculum*
Ohio Space Grant Consortium
$15,000

**Library**

Dewey, Dawne
*University of Dayton Roesch Library Archives Public History Internship*
University of Dayton
$1,440

Dewey, Dawne
*Match for Dayton Daily News Archive Basic Processing Project*
Cox Ohio Publishing
$1,000

**Raj Soin College of Business**

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

Gregorich, Earl
*Entrepreneurship Project Pilot Program*
Ohio Department of Development
$75,000

Marshalek, Kathleen A.
*2012 Dayton ITAC at WSU*
Ohio Department of Development
$65,000

Marshalek, Kathleen A.
*WSU ITAC: Jobs Act Program*
Ohio Department of Development
$49,125

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

Munch, James M.
*Emerging Leaders Program*
Speedway SuperAmerica LLC
$56,000
School of Professional Psychology

Warfield, Janeece
PECE-P ACT: Parents Early Childhood Education/Positive Action Choices Training
Montgomery County ADAMH Services Board
$69,287

Wilder, Heather N.
2012 Domestic Violence Program
Montgomery County Sheriff’s Office
$10,800

Winfrey, LaPearl L.
Practicum Training: ADAMHS Board: 2011/2012
Montgomery County ADAMH Services Board
$62,000

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

Yung, Betty
Lupus Capacity Building Project
Ohio Commission on Minority Health
$39,733

Yung, Betty
Local Conversations Report Completion and Community Education Project
Ohio Commission on Minority Health
$25,000

Yung, Betty
Michigan Department of Community Health Capacity Building Program Evaluation
Southeastern Michigan Health Association
$16,105

Yung, Betty
Clasen, Carla
Michigan Department of Community Health Capacity Building Program Evaluation
Southeastern Michigan Health Association
$12,500

Student Affairs

Anslinger, Amy A.
Kayak Instruction and Leadership Program 2012
Ohio Department of Natural Resources
$18,495

Cooper, Mary Maureen
Hill, Sara Jane
Student-Athlete Opportunity Fund (SAOF)
Horizon League
$62,278

Crawford, Galen R.
Mathis, Tonya
MLK Day of Service 2012
Michigan Campus Compact
$1,000

Universitywide

Barnhart, Amy
PELL Grant Program 2011/2012
U.S. Department of Education
$10,081,141

Kennedy, Sandra D.
Professional Development Projects for the Dayton VA: DLDI and Innovative Leadership/Supervisor Development Series
Veterans Affairs Medical Center
$5,800

Mirelez, Iris L.
Wright State C-CAMPIS: Childcare Access Means Parents in School Program
U.S. Department of Education
$89,677

Penick, Jennifer L.
National SMART Grant Program 2010/2011
U.S. Department of Education
$45,340

Penick, Jennifer L.
PELL Grant Program 2010/2011
U.S. Department of Education
$35,101

VP for Curriculum and Instruction

Dewberry, Brenda I.
Building Successful Futures
U.S. Department of Education
$242,250

Sudkamp, Thomas A.
Articulation and Transfer
Ohio Board of Regents
$1,582,328

Sudkamp, Thomas A.
Articulation and Transfer: CEMS
Ohio Board of Regents
$105,000
We congratulate those receiving external funds and encourage those with unfunded proposals to consult with us about resubmission.