Fall 8-1-2007

WSU Research News, Fall 2007

Office of Research and Sponsored Programs, Wright State University
40th Anniversary Year Sees Record Breaking Amounts Awarded to WSU

The faculty and staff at Wright State University continue a tradition of exceeding all previous records of awards received for external grants and contracts with a total of 576 awards received totaling $71,377,270 for Fiscal Year 2007. A breakdown by campus area is noted below.

<table>
<thead>
<tr>
<th>Campus Area</th>
<th>Number of Awards</th>
<th>Amount Awarded</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boonshoft School of Medicine</td>
<td>169</td>
<td>$25,503,785</td>
</tr>
<tr>
<td>College of Education &amp; Human Services</td>
<td>14</td>
<td>$1,528,329</td>
</tr>
<tr>
<td>College of Engineering &amp; Computer Science</td>
<td>121</td>
<td>$7,405,517</td>
</tr>
<tr>
<td>College of Liberal Arts</td>
<td>48</td>
<td>$915,029</td>
</tr>
<tr>
<td>College of Nursing &amp; Health</td>
<td>3</td>
<td>$294,045</td>
</tr>
<tr>
<td>College of Science &amp; Mathematics</td>
<td>137</td>
<td>$7,991,825</td>
</tr>
<tr>
<td>Lake Campus</td>
<td>8</td>
<td>$89,959</td>
</tr>
<tr>
<td>Raj Soin College of Business</td>
<td>6</td>
<td>$222,372</td>
</tr>
<tr>
<td>School of Graduate Studies</td>
<td>14</td>
<td>$9,227,000</td>
</tr>
<tr>
<td>School of Professional Psychology</td>
<td>35</td>
<td>$1,188,835</td>
</tr>
<tr>
<td>Student Services</td>
<td>12</td>
<td>$15,416,841</td>
</tr>
<tr>
<td>Universitywide/Miscellaneous</td>
<td>9</td>
<td>$1,593,733</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>576</strong></td>
<td><strong>$71,377,270</strong></td>
</tr>
</tbody>
</table>

RSP would like to commend not only the faculty and staff that received awards, but also all of those who submitted proposals last year. A total of 852 proposals were submitted by faculty and staff of WSU during the past fiscal year.

We at RSP are here to assist the faculty and staff of WSU with locating funding opportunities and with the proposal submission process. If you have an idea for a project and would like to turn that idea into a proposal, we invite you to stop by our office at 201J University Hall to discuss your ideas and learn about the ways that our office can help you match your interests with possible funding sources. You may also visit our web site at [http://www.wright.edu/rsp](http://www.wright.edu/rsp) for information about the services we offer.

For a complete breakdown on amounts, categories, and sources of funding for FY2007, please go to the RSP Annual Report data tables located at [http://www.wright.edu/rsp/pubs/annual/tables_07.htm](http://www.wright.edu/rsp/pubs/annual/tables_07.htm).

### Inside This Issue

- Notes from the AVP........ Pg. 2
- Pre Award NEWS.......... Pg. 2
- Post Award NOTES........ Pg. 2
- You’re Invited.......... Pg. 3
- WSU’S WSRI ............ Pg. 4
- Compliance NEWS......... Pg. 5
- Sponsor Alerts ........ Pg. 7
- GRANTS.gov ............. Pg. 7
- Research Challenge
- Announcement .......... Pg. 7
- daytaOhio .............. Pg. 8
- External Awards ....... Pg. 9
I am pleased to announce that Concetta (Connie) Dudley, J.D., has joined the staff of the Office of Research and Sponsored Programs as Director of Technology Transfer.

Connie comes to Wright State from Gaithersburg, Maryland, where she was a legal advisor at MedImmune, Inc. Before that she worked at Technical Resources International in Bethesda as legal counsel, at Panacea Pharmaceuticals as vice president for legal affairs, at the National Heart, Lung, and Blood Institute as their technology transfer director, and at Johns Hopkins University as associate director in the school of medicine office of technology licensing. Connie has a J.D. degree from the Cleveland-Marshall College of Law and received a bachelor’s degree from Case Western. This is all to say she has extensive legal, corporate, and university experience.

Connie will be an important resource for university faculty involved in research and discoveries. She will facilitate the disclosure of inventions, determine their commercial viability, and assist in transferring the technology to commercial partners.

Please call Connie at 775-4280 if you have any questions concerning inventions, patents, or copyrights. You may also send e-mail to connie.dudley@wright.edu or drop by her office in 181 Joshi. You will find Connie’s expertise to be a great source of help for you!

If you plan to use grant money to fund your student employee wages, Student Employment suggests that these positions be classed and the wage rate be determined prior to the grant proposal submission. By confirming the wage rate before the grant proposal is submitted, there will be no delay in posting your jobs when you receive word that the grant has been funded. It also will allow for you to include the appropriate annual student raise amounts in multi-year grants. If you have any questions about this process, please contact Charlene Walker at ext. 2556 or at the email address of Charlene.walker@wright.edu.

All faculty and staff are encouraged to complete and return a profile form at http://www.wright.edu/cgi-bin/profile.pl for inclusion in RSP’s database. The completed profiles help us to match faculty and staff research interests with potential funding sources and are also a requirement for eligibility in all internal funding competitions that are managed by RSP.

A reminder to principal investigators—the end dates on firm fixed-price contracts can be extended after the work is done to allow you to continue to spend from the external grant fund. If there are residual funds left, they can be moved to an unrestricted account, but you can also leave the funds in the grant fund by requesting a no-cost extension for the fund.

As the Vice President for Research and Graduate Studies, Dr. Jack Bantle hired Ms. Toni Walchner as business manager in April of 2007. The areas that report to Dr. Bantle and whom Toni will be assisting in her capacity as business manager are Research and Sponsored Programs, the School of Graduate Studies, dataOhio, and the Wright State Research Institute. Toni’s office is located at 280C Joshi Center, and her extension is 5171. Welcome Toni!
You're Invited....

The Office of Research and Sponsored Programs (RSP) invites new faculty and those just getting started in research to an Orientation Seminar that will introduce the various services available in our office.

**Wednesday, October 24, 2007, 8:45 to 11:30 a.m.**

in

**278 Joshi (Appenzeller Room)**

This seminar will include guidance on:

- locating research funding;
- information regarding internal funding programs;
- an introduction to the WSU proposal submission procedure;
- advice on compliance issues;
- and contact information for assistance with the administration of external funds.

We will also demonstrate a subscription-based funding opportunities database, **COS (Community of Science)**, and information will be provided on how you can be added to RSP's Faculty Interest Profile database that is used to match faculty research interests to funding opportunities.

You will be introduced to all of the RSP staff—we look forward to seeing you there.

Please R.S.V.P. Jan Power, ext. 2425, rsp@wright.edu
The Wright State Research Institute (WSRI) was established earlier this year to expand WSU’s use-inspired and applied research portfolio.

How to do this? “That’s the challenge,” says Dr. Narayanan, the Institute’s founding Executive Director. “We have to proactively create partnerships spanning constituents within and outside the University, and leverage our expertise in a way that creates real value for our partners.”

Initially, WSRI has spent a great deal of time talking with potential customers, collaborators, and promoting Wright State’s research capabilities. Of equal importance, WSRI has been listening, trying to uncover what customers immediate needs are, and also, where they hope to be in two or three years.

The Team
The Institute has hired two program managers to interface with customers and secure work: Mark Wysong has extensive program management experience and has spent the majority of his career in defense contracting. Paul Copp, a retired Air Force Colonel, has extensive knowledge of WPAFB and AFRL operations.

The staff also includes a business manager, Ryan Fendley, who has expertise in business development and Melinda Forsythe serves as administrative assistant for WSRI.

In addition to the core staff, the Institute has named a faculty program director (FPD) in each of the three research areas where WSRI has identified immediate growth potential. These individuals serve as technical experts and identify related technical resources that would benefit the project.

WSRI faculty program directors include: Dr. Brian Rigling, Asst. Professor of Electrical Engineering, FPD for the Sensors and Intelligent Systems Area; Dr. Douglas Petkie, Asst. Professor of Physics, FPD for the Emerging Technologies Area; and Dr. Raghavan Srinivasan, Professor of Mechanical and Materials Engineering, FPD for the Advanced Materials, Manufacturing, and Rapid Prototyping Area.

Setting a Direction
WSRI recently completed its strategic planning process. With the invaluable help of administrators and faculty members from across campus, WSRI developed its initial mission and vision statements, and identified the steps necessary for their fulfillment.

Mission: WSRI provides innovative, customer-focused solutions by conducting nimble and responsive research through collaborative partnerships to facilitate technology development.

Vision: To be recognized as a national leader in the execution of sponsored research, provision of value-added services, and the delivery of solutions which address strategic and critical needs of customers.

Early Successes
WSRI has captured several research contracts totaling over $2.5 million in sponsored research since the planning stages of WSRI. Some highlights include:

The Center for Operator Performance
Funded by several major petrochemical companies, the Center conducts research into issues facing the industry including interface design, decision aids, automation, performance measurements, and control room design.

MAGE Program
The MAGE program, a collaborative effort with a Dayton-area industry, will develop a set of decision support enhancements for dynamic mission planning and anticipatory decisionmaking within an Uninhabited Aerial Vehicle (UAV) net-centric environment.

ATR Center
Partnering with The Ohio State University, WSRI will support the Air Force Research Lab’s Sensors Directorate in both research and education on the topic of Automated Target Recognition.

The Institute is working hard to build on the early success and continue to build the momentum towards an expanded research and technology development portfolio.
Compliance NEWS

IRB Training

Wright State University has implemented a new computer-based training program that provides a course in Human Subjects Protection. The new program is referred to as CITI (the Collaborative Institutional Training Initiative). CITI is available for any interested WSU faculty, staff, or student, including Principal Investigators and key personnel involved in human subjects research. Please access the training site via the RSP Human Subjects Web page at http://www.wright.edu/rsp/subjects.html.

Once the training has been completed with a score of 80% or better in each module, you will receive a certificate. You can return to any module in which you did not score at least 80%, review the module, and retake the test.

CITI is a well-respected, web-based training product that was designed by, and is updated and maintained by a number of nationally known research professionals and is housed at the University of Miami. It is designed around topic-specific modules, each followed by a short quiz. Users will note that CITI is more time consuming than the previous training program; however, it does not have to be completed in one sitting. CITI is user-friendly and available any time, any day and is accepted by the National Institutes of Health.

The Wright State University CITI program also provides courses in Lab Animal Welfare and the Responsible Conduct of Research.

2007-2008 Meeting Schedules

<table>
<thead>
<tr>
<th>Dates</th>
<th>Time</th>
<th>Set-up</th>
<th>Room #</th>
<th>Deadline Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/15/2008</td>
<td>9:30-11:00 AM</td>
<td>Conference for 10</td>
<td>2nd Fl Conf. Rm/U.H.</td>
<td>1/8/2008</td>
</tr>
<tr>
<td>2/22/2008</td>
<td>9:30-11:00 AM</td>
<td>Conference for 10</td>
<td>3rd Fl Conf. Rm/U.H.</td>
<td>2/15/2008</td>
</tr>
<tr>
<td>5/2/2008</td>
<td>9:30-11:00 AM</td>
<td>Conference for 10</td>
<td>2nd Fl Conf. Rm/U.H.</td>
<td>4/25/2008</td>
</tr>
<tr>
<td>7/25/2008</td>
<td>9:30-11:00 AM</td>
<td>Conference for 10</td>
<td>2nd Fl Conf. Rm/U.H.</td>
<td>7/18/2008</td>
</tr>
<tr>
<td>8/22/2008</td>
<td>9:30-11:00 AM</td>
<td>Conference for 10</td>
<td>2nd Fl Conf. Rm/U.H.</td>
<td>8/15/2008</td>
</tr>
<tr>
<td>9/19/2008</td>
<td>9:30-11:00 AM</td>
<td>Conference for 10</td>
<td>2nd Fl Conf. Rm/U.H.</td>
<td>9/12/2008</td>
</tr>
<tr>
<td>10/17/2008</td>
<td>9:30-11:00 AM</td>
<td>Conference for 10</td>
<td>2nd Fl Conf. Rm/U.H.</td>
<td>10/10/2008</td>
</tr>
<tr>
<td>10/31/2008</td>
<td>9:30-11:00 AM</td>
<td>Conference for 10</td>
<td>2nd Fl Conf. Rm/U.H.</td>
<td>10/24/2008</td>
</tr>
<tr>
<td>11/14/2008</td>
<td>9:30-11:00 AM</td>
<td>Conference for 10</td>
<td>2nd Fl Conf. Rm/U.H.</td>
<td>11/7/2008</td>
</tr>
<tr>
<td>11/21/2008</td>
<td>9:30-11:00 AM</td>
<td>Conference for 10</td>
<td>2nd Fl Conf. Rm/U.H.</td>
<td>11/14/2008</td>
</tr>
<tr>
<td>12/19/2008</td>
<td>9:30-11:00 AM</td>
<td>Conference for 10</td>
<td>2nd Fl Conf. Rm/U.H.</td>
<td>12/12/2008</td>
</tr>
</tbody>
</table>

Wright State University
Institutional Review Board Meetings
2008

<table>
<thead>
<tr>
<th>Dates</th>
<th>Time</th>
<th>Set-up</th>
<th>Room #</th>
<th>Deadline Date</th>
<th>DCOP</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/28/2008</td>
<td>2:00-5:00 PM</td>
<td>Conference for 20</td>
<td>157 SU (Atlantis B)</td>
<td>1/16/2008</td>
<td>1/11/2009</td>
</tr>
<tr>
<td>2/25/2008</td>
<td>2:00-5:00 PM</td>
<td>Conference for 20</td>
<td>157 SU (Atlantis B)</td>
<td>2/13/2009</td>
<td>2/8/2008</td>
</tr>
<tr>
<td>3/17/2008</td>
<td>2:00-5:00 PM</td>
<td>Conference for 20</td>
<td>157 SU (Atlantis B)</td>
<td>3/5/2008</td>
<td>2/29/2008</td>
</tr>
<tr>
<td>4/21/2008</td>
<td>2:00-5:00 PM</td>
<td>Conference for 20</td>
<td>157 SU (Atlantis B)</td>
<td>4/8/2008</td>
<td>4/4/2008</td>
</tr>
<tr>
<td>5/19/2008</td>
<td>2:00-5:00 PM</td>
<td>Conference for 20</td>
<td>157 SU (Atlantis B)</td>
<td>5/7/2008</td>
<td>5/2/2008</td>
</tr>
<tr>
<td>6/16/2008</td>
<td>2:00-5:00 PM</td>
<td>Conference for 20</td>
<td>157 SU (Atlantis B)</td>
<td>6/4/2008</td>
<td>5/30/2008</td>
</tr>
<tr>
<td>7/21/2008</td>
<td>2:00-5:00 PM</td>
<td>Conference for 20</td>
<td>157 SU (Atlantis B)</td>
<td>7/9/2008</td>
<td>7/3/2008</td>
</tr>
<tr>
<td>8/18/2008</td>
<td>2:00-5:00 PM</td>
<td>Conference for 20</td>
<td>157 SU (Atlantis B)</td>
<td>8/6/2008</td>
<td>8/1/2008</td>
</tr>
<tr>
<td>9/15/2008</td>
<td>2:00-5:00 PM</td>
<td>Conference for 20</td>
<td>157 SU (Atlantis B)</td>
<td>9/3/2008</td>
<td>8/29/2008</td>
</tr>
<tr>
<td>10/20/2008</td>
<td>2:00-5:00 PM</td>
<td>Conference for 20</td>
<td>E103 (Explorer Room)</td>
<td>10/8/2008</td>
<td>10/3/2008</td>
</tr>
<tr>
<td>11/17/2008</td>
<td>2:00-5:00 PM</td>
<td>Conference for 20</td>
<td>157 SU (Atlantis B)</td>
<td>11/5/2008</td>
<td>10/31/2008</td>
</tr>
<tr>
<td>12/15/2008</td>
<td>2:00-5:00 PM</td>
<td>Conference for 20</td>
<td>E103 (Explorer Room)</td>
<td>12/3/2008</td>
<td>11/28/2008</td>
</tr>
</tbody>
</table>
Wright State University subscribes to the services of COS (Community of Science) to assist our faculty and researchers in locating funding, finding collaborators, and promoting their research.

Finding Funding

• Use COS Funding Opportunities to search over 25,000 records representing over 400,000 individual funding opportunities from numerous sponsors across all disciplines.

• Use COS Funding Alert as a link between your COS Expertise profile and COS Funding Opportunities to receive new and relevant funding information via e-mail every week.

Identifying Collaborators - Search the more than 500,000 profiles at over 1600 institutions worldwide to find additional expertise you may need:

• Find project collaborators

• Learn who is doing what in your field

• Survey your competition.

Promoting Your Research - Showcase your research to the worldwide research community.

• Other researchers search COS Expertise for collaborators and peer reviewers

• Sponsoring agencies use COS to find peer reviewers and researchers to fund

• COS provides you with your own home page so you can promote your own research at http://myprofile.cos.com/yourusername

Search COS today! Log onto http://login.cos.com for your free username and password

For more information, contact Jackie Frederick at ext. 2664 or Jackie.frederick@wright.edu or visit www.cos.com
National Science Foundation

Revision of the NSF Proposal & Award Policies & Procedures Guide

The National Science Foundation (NSF) has published a revised version of the NSF Proposal & Award Policies & Procedures Guide (NSF 08-1), which will be effective for proposals received on or after January 5, 2008. The new publication can be accessed at RSP's Grant and Contract Terms web page: http://www.wright.edu/rsp/grant.html go to Proposal & Award Policies & Procedures Guide.

While the changes are effective January 5, 2008, proposers are strongly encouraged to begin complying with the guidance as soon as possible.

Several important changes have been made to the Guide. Among them is a revision to the intellectual merit review criterion. The criterion now specifically includes evaluation of proposals for potential transformative concepts. The review criterion was revised, in part, to direct applicants to consider "To what extent does the proposed activity suggest and explore creative, original, or potentially transformative concepts?" NSF now requires potential proposers to be registered in the Central Contractor Registration (CCR). Wright State University is already registered in the CCR so this will not be an added requirement for WSU investigators. This requirement, however, also applies to any known subawardees at the time of proposal submission. It is important to make sure that any proposed subcontractors are registered in the CCR.

Finally, the revised Guide contains an update to the designated fonts that may be used when preparing an NSF proposal. The updated proposal margin and spacing requirements section in Chapter II.B.2 of the Grant Proposal Guide can be accessed at http://www.nsf.gov/pubs/policydocs/pappguide/nsf08_1/gpg_2.jsp#IIB2.

Research Challenge Early Start/Augmentation Grant Program Deadline

Letters (email) have been distributed to those faculty that are eligible for the Research Challenge Early Start/Augmentation Grant Program fall competition. This program is intended to provide funding to support and improve the effectiveness of basic or applied research projects supported by external sponsors. Augmentation may also include support for pursuit of promising related new directions for an existing project. In this case, the intent would be to strengthen or follow-up proposals.

All fully-affiliated faculty who:
• have submitted a competitive proposal through WSU’s Office of Research and Sponsored Programs to an external agency,
• for basic or applied research, between October 1, 2006 and September 30, 2007,
• with a total first year proposed or awarded budget (sponsor portion) of at least $40,000,
• and on which the faculty member is listed as an investigator, have been notified that they are eligible to submit a proposal during this round of competition. The proposals are to be submitted directly to Research and Sponsored Programs (201) University Hall on or before November 13, 2007. Complete guidelines and application information are located on the RSP web site at http://www.wright.edu/rsp/internal.html.

If funding is available, a planned second competition for the Early Start/Augmentation Grant Program will be offered for those who meet the above criteria with the exception that the dates for eligible submitted competitive proposals will change to October 1, 2007 through March 31, 2008.

The U.S. Department of Health and Human Services Public Health Service Grants.gov Application Guide SF424 (R&R) has been updated to include additional guidance on dealing with subaward budgets, a recent policy change to exclude Federal holidays from the two-day application viewing window, and suggested clarifications from the applicant community. A link to a summary of the changes can be found at http://era.nih.gov/ElectronicReceipt/news_aor_09-18-07.htm, and the complete Guide can be found at http://era.nih.gov/ElectronicReceipt/.

RSP emphasizes the importance of referring to the Guide as you fill out your NIH grants.gov application packages. The guide provides step-by-step instructions for filling out each form included in the package and the required format for attachments. Following these instructions will help to ensure that your proposal goes through the validation process error free both in the grants.gov system and the eRA Commons.
daytaOhio - A Potential Research Partner on Campus

daytaOhio (www.daytaOhio.org), Ohio’s Wright Center for Data, is one of eight Wright Centers of Innovation in the state of Ohio funded by the Third Frontier Program and the only one focused on information technology. It is located on the second floor of the Krishan and Vicky Joshi Research Center, between the Student Union and Russ Engineering Building.

daytaOhio's vision is to collaborate with innovators and demonstrate the market value of their ideas about new ways to understand and apply complex information. Taking advantage of its partnerships and other investments it has made across the state, daytaOhio wants to team with innovators using tools, such as modeling, simulation, and visualization to realize the value of sensor-based and other complex data in enhancing the performance of organizations and individuals. These collaborations create opportunities for economic development in the Dayton region and Ohio—new investments, business growth, and job creation—and they are also the source of revenues to support daytaOhio’s continuing operations.

An example of daytaOhio’s approach is the project it is currently doing under a subcontract with Science Application International Corporation (SAIC) related to improving the performance of combat search and rescue teams using multi-level sensing. The project team includes participants from the Air Force Research Laboratory’s Human Effectiveness and Sensor Directorates, SAIC, Wright State University, and daytaOhio and is focused on evaluating the impact of technologies, such as directional audio, on performance. The approach involves simulations running across two virtual environments linked to a large command console to monitor events and send appropriate navigational and threat warning information to people executing tasks in the virtual environments. The project is using the VERITAS facility on Wright Patterson Air Force Base in conjunction with the iSPACE and CADWall in daytaOhio’s R.C. Appenzeller Visualization Lab (AVL) (below).

In developing projects like the one above, daytaOhio works to be innovator driven, working to understand how to most effectively bring their ideas to fruition. daytaOhio is results oriented, is committed to maintaining accountability for outcomes, and is always creatively looking for new ways to bring the right skills and assets together to move great ideas to market.

daytaOhio provides consulting and collaboration services to support projects, including the rental of its facilities for half-day and/or full-day meetings that can benefit from using advanced presentation and collaboration capabilities in a high-technology environment. daytaOhio has five different meeting rooms to support a wide variety of needs, including audio and videoconferencing. daytaOhio is committed to working with Wright State University’s innovators and using its people and assets to help move ideas to market in collaboration with its partners. daytaOhio will work to link your work to other funded projects that are already underway, or we can partner with you on new grant opportunities.

The Ohio Wright Center for Data.

The number of projects daytaOhio can take on is limited, so if you are interested in meeting with the daytaOhio team to learn more about its capabilities and possible collaborations, please call Marilyn Kissell at extension 5180 to schedule an appointment for a tour and discussion.

daytaOhio
R.C. Appenzeller Visualization Lab on the second floor of the Krishan and Vicky Joshi Research Center
The grants and contracts on these pages were awarded from May 2007 through August 2007.

**Academic Affairs**

Duncan, Chris  
Swift, Shawn S.  
*Uniform Commutation Allowance*  
DoD, Air Force, AFROTC  
$1,264

**Boonshoft School of Medicine**

Adineh, Mehdi  
*Personnel Support for the Wallace-Kettering Neuroscience Institute - Wang*  
Kettering Medical Center  
$86,102

Berberich, Steven J.  
McDougal, James N.  
Kadakia, Madhavi P.  
*Gene Expression Profile of Cellular Exposure to Jet Fuel*  
Naval Health Research Center  
$97,400

Bernstein, Jack M.  
*Treatment of Clostridium Associated Diarrhea*  
Genome Therapeutics Corporation  
$2,000

Carlson, Robert G.  
Falck, Russel S.  
*State Epidemiological Outcome Workgroup (SEOW)*  
Ohio Department of Alcohol & Drug Addiction Services  
$127,236

Cauley, Katherine L.  
*Kinship Navigator Consortium*  
Montgomery County Children Services  
$63,321

Cauley, Katherine L.  
*AHEC Support*  
Ohio Board of Regents  
$45,183

Cauley, Katherine L.  
*Consulting Services - Health Policy Institute of Ohio (HPIO)*  
Health Policy Institute of Ohio  
$24,506

Cauley, Katherine L.  
*Women's Health Week 2008*  
Ohio Department of Health  
$8,000

Dodge, Robin E.  
*Aerospace Medicine Training for the Era of Moon, Mars, and Beyond*  
National Aeronautics and Space Administration  
$540,000

Drehmer, Timothy J.  
Hangartner, Thomas N.  
*A Novel Treatment for Rheumatoid Arthritis*  
Merck & Co., Inc.  
$6,754

Dunn, Margaret M.  
*NCI Award under DCOP Fiscal Agency Agreement*  
Dayton Clinical Oncology Program (DCOP)  
$724,347

Elased, Khalid M.  
*Role of Angiotensin Converting Enzyme 1 (ACE1) and ACE2 in the Regulation of Blood Pressure in Diabetes*  
American Heart Association - National  
$65,000

Elased, Khalid M.  
*Ah Receptor and Endothelin-Dependent Hypertension*  
University of New Mexico  
$48,535

Falck, Russel S.  
Carlson, Robert G.  
*Age-Related Services and Outcomes after DUI Interventions*  
University of Michigan  
$341,309

Falck, Russel S.  
Carlson, Robert G.  
*MCHD CSAT HIV Prevention Project*  
Montgomery County Combined Health District  
$2,560

The staff of the Office of Research and Sponsored Programs congratulates those receiving external funds, and we encourage those with unfunded proposals to consult with us about resubmission.
Fyffe, Robert E.W.
Mechanisms of Mammalian Neuronal Integration
DHHS, National Institute of Neurological Disorders and Stroke (NINDS)
$353,660

Gentile, Julie P.
FY2008: CCOE-MR/DD-ODMRDD
Ohio Department of Mental Retardation and Developmental Disabilities
$75,000

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

Hangartner, Thomas N.
Bone Mineral Density in Childhood Study (BMDCS)
Clinical Trials & Surveys Corp.
$68,215

Hangartner, Thomas N.
Evaluation of a Novel Treatment in Patients with Osteogenesis Imperfecta
Procter & Gamble Company
$16,760

Hangartner, Thomas N.
Postmenopausal Evaluation and Risk Reduction
Pfizer, Inc.
$4,948

Heffernan, Michael P.
Novel Treatment for Acne Vulgaris
Kendle NC, Inc. (formerly Charles River Laboratories Clinical Services Inc.)
$56,111

Heffernan, Michael P.
Novel Treatment for Psoriasis
Astellas Pharma US, Inc.
$3,215

Kadakia, Madhavi P.
Elucidate the Role of p63 in Prostate Cancer Progression
DHHS, National Cancer Institute (NCI)
$132,372

Kadakia, Madhavi P.
Optical Inverted Microscope Imaging System for Biological and Non-Biological Samples
DoD, Air Force Office of Scientific Research (AFOSR)
$76,068

Kadakia, Madhavi P.
Identifying Peptides Binding to Nanoshells and Silk Proteins Using Combinatorial Phage Peptide Display Method
AT&T Government Solutions, Inc.
$29,000

Kay, Jerald
Personnel Support for the Wallace-Kettering Neuroscience Institute-Kirbas Kettering Medical Center
$90,106

Kay, Jerald
Personnel Support for the Wallace-Kettering Neuroscience Institute - Kent Kettering Medical Center
$36,042

Klykylo, William M.
ODMH Child and Adolescent Psychiatry
Ohio Department of Mental Health
$2,000

Lee, Miryoung
Genetic Analysis of Ankle-Brachial Index and Peripheral Arterial Disease Risk
American Heart Association - Ohio Valley Affiliate
$60,500

Leffak, I. Michael
Analysis of the Human c-myc Gene Replication Origin
DHHS, National Institute of General Medical Sciences (NIGMS)
$278,932

Leffak, I. Michael
DNA Replication Fork: Pausing, Recombination and Disease
Children’s Hospital Research Foundation
$57,783

Lucot, James B.
Novel Neuroprotectants for Sarin-induced Neurotoxicity: Post-Exposure Rescue
Henry M. Jackson Foundation
$279,000

Martino, Paul F.
Putnam, Robert W.
The Cellular Signals for the Hypercapnic Response of Central Chemosensitive Neurons Involved in Ventilatory Control
American Heart Association - Ohio Valley Affiliate
$44,000

Moore, Dennis C.
Sisters of Solidarity (SOS)
DHHS, Centers for Disease Control and Prevention (CDC)
$216,167

Moore, Dennis C.
Adapting Prevention Education for Youth with Disabilities
Ohio Department of Alcohol & Drug Addiction Services
$54,385

Moore, Dennis C.
Prevention Through Alternative Learning Styles (PALS) Training
University of Cincinnati
$17,000
Morris, Mariana
Chumlea, W. Cameron
Short-Term Training for Minority Students (STREAMS)/WSU
DHHS, National Heart, Lung, and Blood Institute (NHLBI)
$112,538

Olson, James E.
Mechanisms of Neuronal Volume Regulation During Oxidative Stress
American Heart Association - Ohio Valley Affiliate
$60,500

Organisciak, Daniel T.
Photoreceptor Cell Survival: Continued Studies on the Efficacy of Drug Treatments
Alcon Laboratories, Inc.
$99,411

Putnam, Robert W.
Intracellular pH Responses of Central Chemoreceptors
DHHS, National Heart, Lung, and Blood Institute (NHLBI)
$278,677

Rapp, Richard C.
Carlson, Robert G.
Reducing Barriers to Drug Abuse Treatment Services
DHHS, National Institute on Drug Abuse (NIDA)
$758,619

Rapp, Richard C.
Cost Effectiveness of Interventions to Reduce Barriers to Drug Abuse Treatment
University of Arkansas
$26,984

Rich, Mark M.
Loss of Muscle Excitability in Acute Quadriplegic Myopathy
DHHS, National Institute of Neurological Disorders and Stroke (NINDS)
$298,686

Siervogel, Roger M.
Chumlea, W. Cameron
Czerwinski, Stefan Aleksander
Demerath, Ellen W.
Sun, Shumei S.
Towne, Bradford
Adiposity, Disease Risk Factors, and Lifetime Health
DHHS, National Institute of Child Health and Human Development (NICHD)
$1,144,042

Simmons, Dionne M.
Kinship Support
Physicians Charitable Foundation of the Miami Valley
$10,000

Sloas, Gwen Paulett
Scholarships for Disadvantaged Students (Medicine)
DHHS, Health Resources and Services Administration
$37,125

Spears, William D.
Bexar County Complex Birth Study
Community First Health Plans, Inc.
$12,000

Stills, Harold F.
Follow-up Study to Evaluate Differences in Skeletal Muscle Injury and Healing Using an Ultrasonic Scalpel Versus Standard Incision
Ethicon Endo-Surgery, Inc.
$16,379

Sulentic, Courtney E.W.
Fernando, Tharu Marianne
Administrative Supplement to Support High School Students and College Undergraduate Research Experiences
DHHS, National Institute of Environmental Health Sciences (NIEHS)
$6,127

Trevino, Julian J.
Heffernan, Michael P.
Community Based Evaluation of Treatment for Acne Vulgaris
Stiefel Laboratories
$6,475

Williams, Kimberly Denise
Towne, Bradford
Siervogel, Roger M.
Genetic Epidemiology of BDA3 in an Endogamous Population
DHHS, National Institute of Child Health and Human Development (NICHD)
$49,646

College of Education and Human Services

Barnhart, Michael L.
Praxis III Regional Assessment Center
Ohio Department of Education
$28,000

Langlois, Marietta A.
Create a Classroom that Moves!
Xenia Community School District
$33,213

College of Engineering and Computer Science

Bayraktaroglu, Burhan D.
Garber, Fred D.
Polymer Nanocomposites as Future Materials for Defense and Energy Applications
Universal Technology Corporation
$250,357

Bourbakis, Nikolaos G.
Design and Evaluation of Secure Processors
C. G. O. LLC
$24,000

Research News Fall 2007 Page 11
Chen, Chien-In Henry  
FPGA-Based High Instantaneous Two-Signal Dynamic Range Digital Wide-Band Microwave Receiver  
MacAulay-Brown, Inc.  
$49,900  

Chung, Soon M.  
Knapp, James Robert  
Work-Centered Software System  
Dayton Area Graduate Studies Institute (DAGSI)  
$5,904  

Cornelius, Kenneth C.  
Dong, Haibo  
Webb, Charles H.  
Separation and Vorticity Transport in Massively-Unsteady Low Reynolds Number Flows  
Dayton Area Graduate Studies Institute (DAGSI)  
$56,383  

Cornelius, Kenneth C.  
Dong, Haibo  
Computational Investigation of a Radial Compressor and Downstream Components with Feedback for Maximum Efficiency  
Alpha Mechanical Engineering  
$20,000  

Emmert, John M.  
Electronic, Optical and Electro-Optical Materials Research: Mixed-Signal Component Design  
University of Dayton  
$217,000  

Emmert, John M.  
Garber, Fred D.  
New Electronic Warfare Specialists Through Advanced Research by Students (NEWSTARS)  
MacAulay-Brown, Inc.  
$125,000  

Golshani, Forouzan  
Bourbakis, Nikolaos G.  
Flach, John M.  
Fyffe, Robert E.W.  
Wheatly, Michele G.  
IGERT: An Interdisciplinary Initiative on Technology Based Learning with Disability  
NSF, Miscellaneous  
$600,000  

Golshani, Forouzan  
Priorities in Graduate Education (Computer Science)  
Ohio Board of Regents  
$226,359  

Goshtasby, A. Ardeshir  
Design of a Persistent Agile Airborne Target Tracking System  
DoD, Air Force, Air Force Research Laboratory (AFRL)  
$30,000  

Goswami, Tarun  
Development of Scaffold Materials at CBC/CTS  
Community Blood Center/Community Tissue Services  
$17,500  

Grandhi, Ramana V.  
Thompson, Ernest D.  
Induced Drag Minimization with Optimal Scheduling  
Dayton Area Graduate Studies Institute (DAGSI)  
$16,380  

Harris, Chester A.  
Intergovernmental Personnel Agreement (IPA) - C. Harris  
DoD, Air Force, Air Force Research Laboratory (AFRL)  
$192,429  

Hartrum, Thomas C.  
Embedded Implementation of Publish and Subscribe for a Commutitive Infosphere  
University of Dayton  
$35,025  

He, Ping  
Estepp, Justin R.  
Improving Real-Time Operator Functional State Assessment through the Use of Functional Near Infrared (fNIR) Techniques  
Dayton Area Graduate Studies Institute (DAGSI)  
$13,543  

Hill, Raymond  
Davis, Joshua  
Fundamentals of Human-Centered Collaborative Decision Making and Support  
Dayton Area Graduate Studies Institute (DAGSI)  
$6,497  

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

Klingbeil, Nathan W.  
GOAL/: A Modeling Base for Process Development of Electron Beam Manufacturing  
NSF, Miscellaneous  
$100,000  

Lieh, Junghsun  
Advanced Control System for Manufacturing Processes—Phase VII: Precision Machining Process Development and Optimization  
Delphi Chassis Systems  
$49,880
Rizki, Mateen M.
Identification of Biomarkers using Machine Learning Algorithms
Oak Ridge Institute for Science and Education (ORISE)
$42,000

Sheth, Amit
Collaborative Research: ITR-SemDIS: Discovering Complex Relationships in the Semantic Web
NSF, Research Experiences for Undergraduates
$15,000

Siford, Raymond E.
High Speed Read Out Integrated Circuit for Optical Arrays
RNET Technologies, Inc.
$43,340

Skipper, Julie A.
Woodyard, Renee L.
Object Identification with Multi-Sensor Systems
Dayton Area Graduate Studies Institute (DAGSI)
$56,383

Skipper, Julie A.
Osteoporosis Screening Tool
National Collegiate Inventors and Innovators Alliance (NCIIA)
$17,870

Skipper, Julie A.
Schrider, Christina D.
Numerical Studies on Enhanced Nonlinear Visual Target Detection System
Dayton Area Graduate Studies Institute (DAGSI)
$11,980

Slater, Joseph C.
Vibration Control of Turbo-machinery Blade Vibration
Universal Technology Corporation
$40,000

Taylor, Ronald F.
Computational Science Programming and Algorithms: Workplan for Course Development
Ohio Supercomputer Center
$5,372

Wolff, J. Mitch
Corbin, Christopher
Design and Analysis of a Variable Geometry Scramjet Flowpath for Space Access Applications
Dayton Area Graduate Studies Institute (DAGSI)
$56,189

Wu, Zhiqiang
Brown, Ryan C.
Automatic Modulation Recognition and Intelligent Spectrum Sensing Algorithms Applicable to Radar and Communication Signals
Dayton Area Graduate Studies Institute (DAGSI)
$56,383

Young, Henry Daniel
Advanced Manufacturing Techniques for High-Efficiency Functional Gradient Solid Oxide Fuel Cells
Optomec, Inc.
$14,400

Young, Henry Daniel
Fabrication, Characterization, and Testing of Graded Solid Oxide Fuel Cell Capacitor Layers
Universal Energy Systems, Inc. (UES, Inc.)
$20,000

Wu, Zhiqiang
Physical Layer Design and Evaluation of Cognitive Radio
MacAulay-Brown, Inc.
$14,083

Wu, Zhiqiang
Rigling, Brian D.
Noncoherent Dual Platform AMC Jammer
RBS Technologies, LLC
$33,000

Wu, Zhiqiang
Wang, Bin
Advanced Radio Frequency Technology for Wireless Network Security
MRLets Technologies, Inc.
$30,000

Wu, Zhiqiang
Schrider, Christina D.
Collaborative Proposal: Soft Decision Cognitive Network Based on Intelligent Spectrum Sensing
MacAulay-Brown, Inc.
$18,000

Wu, Zhiqiang
Collaborative Proposal: Soft Decision Cognitive Network Based on Intelligent Spectrum Sensing
MacAulay-Brown, Inc.
$14,083

Wu, Zhiqiang
Project Manager - Multi-state Learning Collaborative 2: Quality Improvement in the Context of Performance or Capacity Assessment and Accreditation Programs
Association of Ohio Health Commissioners
$75,000

Dockery, Jane L.
Miami Valley Transportation Analysis
Westat, Inc.
$39,700

Dockery, Jane L.
Tri County Mental Health and Recovery Strategic Planning
Tri County Board of Recovery and Mental Health Services
$8,037

College of Liberal Arts

Cortes, Tess
General Operating Support - Art Galleries
Ohio Arts Council
$5,482

Dockery, Jane L.
Project Manager - Multi-state Learning Collaborative 2: Quality Improvement in the Context of Performance or Capacity Assessment and Accreditation Programs
Association of Ohio Health Commissioners
$75,000

Dockery, Jane L.
Miami Valley Transportation Analysis
Westat, Inc.
$39,700

Dockery, Jane L.
Tri County Mental Health and Recovery Strategic Planning
Tri County Board of Recovery and Mental Health Services
$8,037

Research News Fall 2007 Page 14
<table>
<thead>
<tr>
<th>Name</th>
<th>Project Description</th>
<th>Organization</th>
<th>Funds</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dockery, Jane L.</td>
<td>Facilitative Assistance for the H.B. 289 Process - Warren County</td>
<td>Warren County Family and Children First</td>
<td>$5,635</td>
</tr>
<tr>
<td>Dockery, Jane L.</td>
<td>Greene CATS Strategic Planning Process</td>
<td>Greene County Transit Board</td>
<td>$3,680</td>
</tr>
<tr>
<td>Dockery, Jane L.</td>
<td>Evaluation of ThinkTV's Implementation of Ohio's Ready to Learn Program</td>
<td>Think TV Network (Greater Dayton Public Television)</td>
<td>$2,000</td>
</tr>
<tr>
<td>Dockery, Jane L.</td>
<td>Ohio City/County Manager Association (OCMA) Strategic Planning Retreat</td>
<td>Ohio City/County Managers Association (OCMA)</td>
<td>$700</td>
</tr>
<tr>
<td>Dockery, Jane L.</td>
<td>Centerville Arts Commission Planning Retreat</td>
<td>City of Centerville, Ohio</td>
<td>$400</td>
</tr>
<tr>
<td>Dockery, Jane L.</td>
<td>Evaluation of Big Big World Activities</td>
<td>Think TV Network (Greater Dayton Public Television)</td>
<td>$100</td>
</tr>
<tr>
<td>Dustin, Jack L.</td>
<td>Urban Projects - Urban Universities Linkage</td>
<td>Ohio Board of Regents</td>
<td>$40,125</td>
</tr>
<tr>
<td>Haas, Edward F.</td>
<td>Greene County Public Library Internship</td>
<td>Greene County Public Library</td>
<td>$4,000</td>
</tr>
<tr>
<td>Hooker, Carol M.</td>
<td>Greene County Combined Health District Continuity of Operations Plan</td>
<td>Greene County Combined Health District</td>
<td>$12,000</td>
</tr>
<tr>
<td>Hooker, Carol M.</td>
<td>Technical and Facilitative Assistance for the HB289 Process - Clinton County</td>
<td>Clinton County Job and Family Services</td>
<td>$2,852</td>
</tr>
<tr>
<td>Hooker, Carol M.</td>
<td>HB289 Assistance - Phase II</td>
<td>Clinton County Job and Family Services</td>
<td>$2,648</td>
</tr>
<tr>
<td>Johnson, Daniel</td>
<td>Urban Heat Wave Illinois Data Procurement</td>
<td>TKC Integration Services, LLC</td>
<td>$15,322</td>
</tr>
<tr>
<td>Jones, Thomas Davidson</td>
<td>Greene County Sanitary Engineering Department</td>
<td>Greene County Sanitary Engineering Department</td>
<td>$3,974</td>
</tr>
<tr>
<td>Jones, Thomas Davidson</td>
<td>Facilitative Assistance for the H.B. 289 Process</td>
<td>Clark County Family and Children First</td>
<td>$1,500</td>
</tr>
<tr>
<td>Layne, Jo Ellen</td>
<td>Child Welfare Workforce Professional Education Program</td>
<td>Ohio Department of Job and Family Services</td>
<td>$123,250</td>
</tr>
<tr>
<td>Peck, Dana</td>
<td>Partnerships for Success</td>
<td>Greene County Family and Children First</td>
<td>$4,000</td>
</tr>
<tr>
<td>Walker, Ariel B.</td>
<td>Facilitative Assistance for the H.B. 289 Process</td>
<td>Miami County Family and Children First</td>
<td>$5,348</td>
</tr>
</tbody>
</table>

**College of Nursing and Health**

- Cherrington, Candace C.
  - Pilot School Learning Collaborative Proposal
  - Quality and Safety Education for Nurses (QSEN)
  - $20,000

- Martin, Patricia A.
  - Professional Nurse Traineeship
  - DHHS, Health Resources and Services Administration
  - $60,608

**College of Science and Mathematics**

- Agrawal, Abinash
  - Bioremediation of Chlorinated Ethenes in the Constructed Wetlands at Wright-Patterson Air Force Base
  - Air Force Institute of Technology (AFIT)
  - $80,000

- Agrawal, Abinash
  - Bioremediation of Chlorinated Ethenes in the Constructed Wetlands at Wright-Patterson Air Force Base - Additional Funds
  - Air Force Institute of Technology (AFIT)
  - $70,384

- Alter, Gerald M.
  - Graduate Research Assistant Support - Kolawole
  - Central State University
  - $19,200
Alter, Gerald M.
Graduate Research Assistant Stipend - Lehman
Indiana University
$7,500

Amon, James P.
Monitoring Nutrients and Flow in the Little Miami River Watershed
Ohio State University
$34,583

Arasu, Krishnasamy T.
REU Supplement: New Algebraic Techniques for Constructing Sequences and Arrays with Good Correlation Properties
NSF, Grants for Scientific Research
$12,000

Arlian, Larry G.
Mite Growth Studies
Valent BioSciences Corporation
$22,969

Arlian, Larry G.
Laundry Sample Analysis
Procter & Gamble Company
$10,340

Bailey, Loretta A.
Student Achievement in Research and Scholarship (STARS)
Miami University
$4,716

Basista, Beth A.
Tomlin, James H.
Science & Math Academics for Teachers through EXCEL
Ohio Department of Education
$726,748

Basista, Beth A.
Mathews, Susann M.
EXCEL Center of Excellence - Western Region
Ohio Board of Regents
$200,000

Bennett, Kevin B.
Expanding the RAPTOR R&D Environment
Alion Science and Technology (formerly Micro Analysis and Design, Inc.)
$5,703

Burton, G. Allen
Determining Realistic Sediment Toxicity Threshold Effect Levels of Freshwater Species
Nickel Producers Environmental Research Association, Inc.
$131,250

Carmichael, Wayne W.
Characterization of Cyanobacteria Secondary Metabolites
More Than One Source of Support
$250

Claflin, Jr., Bruce B.
Characterization of Electronic Device Materials
University of Dayton
$191,907

Feld, William A.
The Synthesis of Novel Indenofluorenones
Petroleum Research Fund - American Chemical Society
$50,000

Fossum, Eric
Hall, Tiffany Marie
Development of a New Class of Organic Materials for Energy Applications
Dayton Area Graduate Studies Institute (DAGSI)
$56,578

Fossum, Eric
The Effects of End Group Modified Hyperbranched Polymers on the Mechanical Properties of Thermosetting Resins
Cornerstone Research Group, Inc.
$2,495

Fox, Jane Lee
Analysis and Modeling of Martian Electron Density Profiles Returned from Spacecraft
National Aeronautics and Space Administration
$83,691

Fox, Jane Lee
Monte Carlo Calculations of Hot and Escaping Atoms from Mars Using Realistic Velocity Distributions
National Aeronautics and Space Administration
$76,784

Gilkey, Robert H.
Collaborative Research on Multisensory Interaction
DoD, Air Force, Air Force Research Laboratory (AFRL)
$50,000

Gilpin, Roger K.
State of Ohio Sludge Program
More Than One Source of Support
$19,655

Gilpin, Roger K.
Measurement of Non-Point Toxic Pollutants
City of Honolulu, HI
$3,150
<table>
<thead>
<tr>
<th>Name</th>
<th>Title</th>
<th>Sponsor</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hunt, Allen Gerhard</td>
<td>Applying Critical Path Analysis to Find the Hydraulic Conductivity of Realistic Geologic Medium</td>
<td>NSF, Miscellaneous</td>
<td>$36,790</td>
</tr>
<tr>
<td>Isenhouer, Gwyn</td>
<td>Expression of Microbial Genes Involved in the Reductive Dehalogenation of PCE and its Degradation Products in a PCE-Contaminated Constructed Wetland</td>
<td>U.S. Environmental Protection Agency</td>
<td>$16,156</td>
</tr>
<tr>
<td>Klein, Helen A.</td>
<td>Rosetta Support--2007</td>
<td>Ball Aerospace</td>
<td>$30,000</td>
</tr>
<tr>
<td>Look, David C.</td>
<td>Defect Chemistry Study of Nitrogen Doped ZnO Thin Films</td>
<td>Miami University</td>
<td>$57,474</td>
</tr>
<tr>
<td>Look, David C.</td>
<td>GOALI: Growth Dependent Identification and Control of Bulk and Interface Defects in ZnO</td>
<td>Ohio State University</td>
<td>$53,209</td>
</tr>
<tr>
<td>Look, David C.</td>
<td>Complex Oxides</td>
<td>Ohio State University</td>
<td>$49,805</td>
</tr>
<tr>
<td>Look, David C.</td>
<td>Hall Effect Measurements</td>
<td>More Than One Source of Support</td>
<td>$7,160</td>
</tr>
<tr>
<td>Petkie, Douglas T.</td>
<td>Institute for the Development and Commercialization of Advanced Sensor Technology (IDCAST)</td>
<td>University of Dayton</td>
<td>$500,000</td>
</tr>
<tr>
<td>Petkie, Douglas T.</td>
<td>TecEdge Academic Pipeline Program</td>
<td>Wright Brothers Institute, Inc. (The)</td>
<td>$100,000</td>
</tr>
<tr>
<td>Petkie, Douglas T.</td>
<td>Terahertz Standoff Sensing of Vital Signs</td>
<td>EOIR Technologies</td>
<td>$86,490</td>
</tr>
<tr>
<td>Petkie, Douglas T.</td>
<td>Mission Adaptable Chemical Spectrometer</td>
<td>Ohio State University</td>
<td>$20,521</td>
</tr>
<tr>
<td>Pohlman, Roberta L.</td>
<td>Center for Health Promotion: MVH Wellness Center</td>
<td>Miami Valley Hospital</td>
<td>$18,170</td>
</tr>
<tr>
<td>Powell, Christina</td>
<td>Degradation Potential of Chlorinated Ethenes in the Rhizosphere of Wetland Plants</td>
<td>U.S. Environmental Protection Agency</td>
<td>$17,000</td>
</tr>
<tr>
<td>Ritzi, Jr., Robert W.</td>
<td>Ground Water Protection Program 2007</td>
<td>Cemex</td>
<td>$5,857</td>
</tr>
<tr>
<td>Schneider, Tamera</td>
<td>The Influence of Quality of Life and Human-Animal Bond Assessments on Pet Dog Health Assessments: Result Dissemination</td>
<td>Iams Company, The</td>
<td>$31,664</td>
</tr>
<tr>
<td>Shebilske, Wayne L.</td>
<td>A System for Developing and Testing Intelligent Displays and Trainers for Dynamic Targeting Cells</td>
<td>DoD, Other</td>
<td>$128,972</td>
</tr>
<tr>
<td>Shebilske, Wayne L.</td>
<td>Research and Technical Support for the Culture and Cognition Laboratory (CCL)</td>
<td>DoD, Air Force, Air Force Research Laboratory (AFRL)</td>
<td>$28,780</td>
</tr>
<tr>
<td>Shebilske, Wayne L.</td>
<td>Workflow for Role-Based Intelligence in a Time Sensitive Environment (WorkRITE)</td>
<td>Aptima, Inc.</td>
<td>$28,000</td>
</tr>
<tr>
<td>Shebilske, Wayne L.</td>
<td>Scenario Development in a System for Simulating Emergency Operations</td>
<td>Quimba Software, Inc.</td>
<td>$10,000</td>
</tr>
<tr>
<td>Shebilske, Wayne L.</td>
<td>Revised Space Fortress and Physiological Measures during Cognitive Processing</td>
<td>University of Illinois</td>
<td>$2,000</td>
</tr>
<tr>
<td>Slattery, William</td>
<td>Delivering On-Line Professional Development Courses to a New Population of K-12 Teachers</td>
<td>Institute for Global Environmental Strategies, Inc. (The)</td>
<td>$40,000</td>
</tr>
</tbody>
</table>
Slattery, William
Track 1, GK-12: Inquiry-based Approaches to Earth System Science
Kent State University
$14,699

Tebbens, Sarah
Collaborative Research: Coasts in Motion: Quantifying the Patterns of Coastal Change Using LIDAR
NSF, Grants for Scientific Research
$42,581

Vadeboncoeur, Yvonne
REU Supplement: Collaborative Research: Putting the Lake Back Together: Integrating Littoral Productivity Into Lake Food Webs
NSF, Grants for Scientific Research
$6,000

Watts, Doyle R.
Remote Sensing Technology application to estimation of ET in the Western USA
Central State University
$178,000

Wheatly, Michele G.
Gao, Yongping
\textit{RUI: The Paradox of Cellular Calcium Homeostasis During Vectorial Transfer: Spatial and Temporal Regulation of Ca Import/Export Proteins Using the Freshwater Crayfish Molting Model}
NSF, Grants for Scientific Research
$100,440

Wheatly, Michele G.
Mawasha, P. Ruby
\textit{LSAMP Bridge Program}
Ohio State University
$35,500

\textbf{Lake Campus}

McNutt, Mindy
\textit{Capital Appropriation House Bill 699}
Ohio Board of Regents
$42,059
Kennedy, Sandra D.
*Leadership Transformation Series Part I*
PSI-Paper Systems, Inc.
$1,100

**Raj Soin College of Business**

Bodey, Michael W.
*Small Business Development Center (SBDC)*
Edison Materials Technology Center (EMTEC)
$66,640

Bodey, Michael W.
*Third Frontier Internship Program*
Ohio Business Connection
$3,000

Fannin, D.R.
*Teacher Academy*
Ohio Council on Economic Education
$4,625

Sethi, Vikram
Sengupta, Arijit
*RFID: Preventive Maintenance*
Alien Technology Corporation
$24,654

Sethi, Vikram
Sengupta, Arijit
*RFID: Preventive Maintenance*
Alien Technology Corporation
$24,197

Williams, Scott
*ISSI Commercialization Study*
Innovative Scientific Solutions, Inc.
$3,588

---

**School of Graduate Studies**

Bantle, Jack A.
*Ohio's Research Challenge - "05-07" Biennium*
Ohio Board of Regents
$190,471

Rapocho, Terence G.
*Multi-Dimensional Visualization of Layered Sensing*
Science Applications International Corporation (SAIC)
$349,950

Sanville, Thomas J.
*OhioLINK*
Ohio Board of Regents
$1,721,956

Sanville, Thomas J.
*Statewide Core Electronic Information Collection (SCEIC)*
State Library of Ohio
$1,381,730

---

**School of Professional Psychology**

Glaus, Kathleen D.
*Scholarships for Disadvantaged Students Program (SOPP)*
DHHS, Health Resources and Services Administration
$21,656

Rando, Robert A.
*The Many Rooms Project*
DHHS, Substance Abuse and Mental Health Services Administration (SAMHSA)
$63,334

Rudisill, John R.
*Innovative Practices in Graduate Education Psychology*
American Psychological Association
$2,000

---

Winfrey, LaPearl L.
*Practicum Training - Professional Psychology Brief Therapy Program*
South Community Mental Health Center
$28,000

Winfrey, LaPearl L.
*SOPP Student Practicum Training*
Employee Care of MVH/Good Sam. Hosp.
$28,000

Winfrey, LaPearl L.
*Practicum Training*
Detmer Hospital
$14,000

Winfrey, LaPearl L.
*Practicum Training*
Consumer Advocacy Model Program
$14,000

Winfrey, LaPearl L.
*Practicum Training*
University of Dayton
$12,400

Winfrey, LaPearl L.
*Practicum Training*
Central Clinic
$8,000

Winfrey, LaPearl L.
*Practicum Training - Professional Psychology Brief Therapy Program*
South Community Mental Health Center
$7,000

Winfrey, LaPearl L.
*Practicum Training*
Shelby County Counseling Center
$7,000

Winfrey, LaPearl L.
*SOPP Student Practicum Training*
Dr. Ozzie McDonald, Inc.
$7,000

---

*Research News  Fall 2007 Page 19*
Winfrey, LaPearl L.
Practicum Training
Matrix Psychological Services
$7,000

Winfrey, LaPearl L.
SOPP Practicum Training
Choices, Changes, Attitudes
$7,000

Winfrey, LaPearl L.
Practicum Training
Darke County Mental Health Center
$7,000

Winfrey, LaPearl L.
Practicum Training
Greene Memorial Hospital
$7,000

Winfrey, LaPearl L.
Practicum Training
Bonds, Mathis & Associates
$7,000

Winfrey, LaPearl L.
SOPP Student Practicum Training
Forensic Psychological Services
$3,000

Universitywide
Howard, Lillie
Capital Appropriation House Bill 699
Ohio Board of Regents
$1,060,649

Mathis, Gina L.
College and University Recycling and Waste Reduction Program
Ohio Department of Natural Resources
$47,648

Office of the Vice President for Research
Vice President for Research
Jack A. Bantle, Ph.D jack.bantle@wright.edu
Administrative Support Coordinator
Research and Graduate Programs
Diane Hamilton diane.hamilton@wright.edu

RSP Staff
Assistant Vice President for Research
William K. Sellers, Ph.D william.sellers@wright.edu
Director, Pre Award
Ellen Reinsch Friese ellen.friese@wright.edu
Director, Post Award
Glen Jones glen.jones@wright.edu
Director, Technology Transfer
Concetta Dudley, J.D. connie.dudley@wright.edu
Associate Directors
Jackie A. Frederick jackie.frederick@wright.edu
Yun Wu yun.wu@wright.edu
Assistant Directors
Marianne Shreck marianne.shreck@wright.edu
Naomi Halverson naomi.halverson@wright.edu
Grants Accountants
Danielle Booth danielle.Booth@wright.edu
Gene Florkey gene.florkey@wright.edu
F. John Wedig john.wedig@wright.edu
Elaine Davis elaine.davis@wright.edu
Administrative Coordinator (IRB)
Robyn Wilks, CIM robyn.wilks@wright.edu
Programs Facilitators
Cheryl Nickoson cheryl.nickoson@wright.edu
Christine Piekkola christine.piekkola@wright.edu
Jan Power rsp@wright.edu
Records Technician
Aja Ash aja.ash@wright.edu
Undergraduate Assistants
Kelly McGhee
Rachael Brown
Prateek Anand
Mary Lou Moyer
Britni Penrose
Glenn Kettering