

Fall 2011

WSU Research News, Fall 2011

Office of Research and Sponsored Programs, Wright State University

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RESEARCH NEWS

Fall 2011 Vol 43 No 1

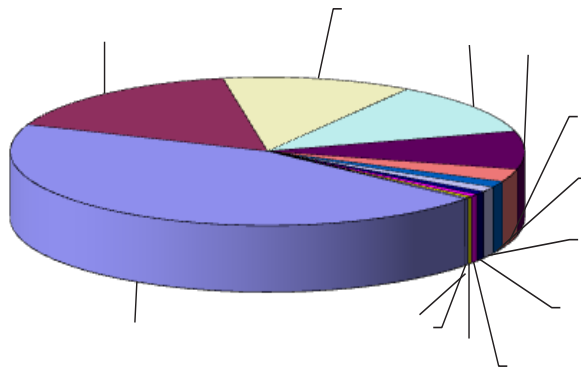
WSU Raised the Bar Again for External Funding in 2011

Wright State University faculty and staff recorded its highest numbers of awards (630) for a combined total of \$99,314,811 for Fiscal Year 2011. A breakdown by campus area is illustrated in the chart.

In all, 953 proposals were submitted to external sponsors, representing approximately a 1 percent increase in the number of submissions; however, the number of awards and the total amount awarded increased by 3.2 percent and 5.2 percent, respectively (FY10 = 610 awards, \$94,111,241).

Research and Sponsored Programs would like to commend all

WSU faculty and staff for their efforts to secure external funding for their endeavors. Our office is



here to offer support and assistance to any WSU faculty or staff with locating funding opportunities and the proposal submission process. If you have an idea

or project for which you need external funding, or if you were turned down for funding, stop by our office suite at 201J University Hall to discuss your ideas and learn about how our office can help you match your interests with possible funding sources, or help you to revise and resubmit to the same or other sponsors. Please also visit our web site (www.wright.edu/rsp) for information about the services we offer.

For a complete breakdown of WSU's 2011 funding profile visit the RSP web site under the *Publications* link.



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Notes from the AVP:



The implementation of the InfoEd modules for proposal development and research compliance has begun in earnest, and RSP

staff members are quickly absorbing the new terminology and steps associated with the products. Though barely into the process, we must acknowledge the great support we are receiving from the IT staff in CaTS. There are many individuals behind the scenes at CaTS working on the server configurations and other technical processes; however, we are especially indebted to Grace Kau and Shilpa Muniswamyreddy in CaTS for their help and encouragement as we move forward.

The project managers at InfoEd have established an aggressive schedule for the implementation of the first modules: Proposal Development (PD), Proposal Tracking (PT), and Conflict of Interest (COI). The project plan calls for a “go-live” on the modules by the end of the calendar year. We do not plan to “go-live” without a back-up plan, of course. We will maintain our current database, FileMaker, until we are comfort-

able with the integrity of the data in InfoEd. After a test run of the three modules in December, we will begin an intensive training effort in January 2012. We have been fortunate enough to hire a graduate assistant to help in this effort. The new hire is Katie Feldhues, who is seeking a Master’s degree in Public Administration. Katie has been busily immersing herself in the world of research administration, taking on some new acronyms (PD, PT, COI), and giving serious thought to how best to train faculty and staff on the new system.

While this is a huge undertaking, we are very excited about the prospect of submitting Grants.gov proposals “System to System,” routing proposals electronically, and maintaining images of files so that we save a few trees in the future. Next on the agenda after implementing PD, PT, and COI, will be the research compliance modules for the work of our laboratory animal and human subjects use committees. We look forward to maximizing performance and minimizing the pain that often accompanies the transition to a new business process. As always, we look to the University community for input and suggestions for the best outcomes.

Ellen

Tips for a Successful IRB Submission

1. **Use** the most recent IRB Petition (found at www.wright.edu/rsp/subjects.html)
2. **Sign** the petition and include the petition with the original signature(s)
3. **Submit** the appropriate number of copies
4. **Complete** Collaborative Initiative Training (CITI), if required
5. **Include** CVs
6. **Collate** all documents prior to submission

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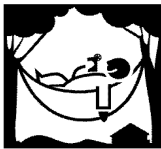
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Program Coordinator
Jodi Blackledge

Dr. Jack Bantle Retires

After 38 years in higher education it is interesting for me to look back at the changes that have occurred over that time. Higher education has changed, but certain things have remained the same. Students still enroll in and go to class, and follow a set curriculum. Professors still teach and do research, but much change has occurred. Instead of being a sage on the stage, many professors are guides on the side as inquiry based learning is popular now. Undergraduates can now do research thereby honing their creativity and seeing what it is like to actually do work in their field. Over the years I have come to the conclusion that they are capable of much more than that for which we give them credit. For example, in World War Two, a twenty-year-old B-17 bomber captain came home from training on furlough before being shipped overseas with the Eighth Air Force. His dad refused to loan him the family car to go out on a date because he thought he was too young to drive! I have taken this story to heart and feel we should empower our undergraduates to do research and work in their chosen fields as interns. They can do the job if only we would let them.

I have seen amazing advances in my time that people are quite blasé about. When I started college we used slide rules, and



then, Frieden mechanical calculators. Long division could take a really long time. I remember in 1973 talking hard to my wife about buying a new four function calculator for the princely sum of \$157 so I could do the statistics for my dissertation. That conversation was again repeated in 1980 when I bought my first computer for \$5,500 so I could write my publications and proposals. Now we are walking about with IPODS and IPADs and instant communication. We have used all this amazing technology and other scientific advances to learn about the nature of our universe. From black holes to dark matter, our understanding of our universe has jumped by leaps and bounds. As a biologist, I started school just as the structure of DNA became known and now we deftly manipulate genes in our animals and crops. However, as Dickens said in his novel *A Tale of Two Cities*, "It was the best of times, it was the worst of times..." For all the scientific and engineering advances made possible by smart people and great equipment, I am seeing our state and local governments progressively retreat from their responsibility of funding research and universities in general. This has been slowly going on for 20 years now and the system is showing cracks. As I leave my post as a research administrator, I fear we are not setting up a new generation of bright young professors to carry on. If we do bring them in, we

can't give them the equipment and resources they need. Once here they are also saddled with increasingly tough regulatory burdens. Huge academic challenges remain in science and engineering, and amazing things can still be done in the arts and humanities, but we need to convince people that they are worth funding and, if funded, they can improve our lives.

Wright State is well situated to not only survive, but thrive in the coming years. It has a great mission and an opportunity to advance as a university in part because of its location. I just participated in a *Dayton Daily News* story on jobs and learned that all of the regional job growth was in fields requiring a four-year degree. People really have to go to college to find a decent job, and Wright State University can help them do that. I am very happy to have served here, and am constantly impressed by my staff that has so ably helped advance our mission. I wish everybody the very best and I am confident Wright State can weather the budgetary storm and thrive.

Jack Bantle



Sponsor *ALERTS*

NSF BIO Proposal Processing Changes

The NSF Directorate for the Biological Sciences has established new procedures for the submission and review of regular research proposals to the core programs within the Divisions of Molecular and Cellular Biosciences (MCB), the Environmental Biology (DEB) and Integrative Organismal Systems (IOS). For the cluster of MCB programs, the Division has instituted an eight-month submission cycle, allowing those researchers who have been turned down for funding enough time to craft a meaningful revision of their proposal for resubmission. Further, the Division will receive investigator-initiated research proposals only in response to solicitation NSF-11-545.

For IOS and DEB (not including RAPIDs, EAGERS, conferences/workshops, supplemental funding, and



special solicitations) both Divisions will implement an annual cycle of preliminary and full proposals beginning January 2012. Following review by a panel of outside experts, each applicant will be notified of a binding decision to Invite or Not

Invite submission of a full proposal in August.

Please note that each investigator is limited to submitting two preliminary proposals a year to either Division, whether as a PI, co-PI or lead senior investigator of a subaward. For a list of frequently asked questions regarding the preliminary and full proposal submission process, visit http://www.nsf.gov/publications/pub_summ.jsp?ods_key=nsf11079.

Change in the NIH Continuous Submission Policy for Reviewers with Recent Substantial Service

To recognize outstanding review and advisory service by members of the scientific community, and to minimize disincentives to such service, the National Institutes of Health provide an alternate plan for submission and review of research grant applications from appointed members of NIH review and advisory groups, and temporary members of NIH review groups with substantial, recent review service (defined as having served six



times in eighteen months). The alternative submission and review process is limited to NIH R01, R21, and R34 applications (including those that are AIDS-related) that would normally be received on standard submission dates. Continuous submission is NOT available for applications submitted for special dates (RFAs, some PARs) or other activity codes.

Period of Service

January 1, 2010 – June 30, 2011

January 1, 2011 – June 30, 2012

Time of Eligibility

August 16, 2011 – September 30, 2012

August 16, 2012 – September 30, 2012

To access a list of individuals who are eligible for the continuous submission policy, visit http://grants.nih.gov/grants/peer/continuous_submission.htm or check your Commons profile to confirm your eligibility.

Sponsor *ALERTS*, Cont.

Updates to eRA Commons Look, Procedures

The NIH electronic portal, eRA Commons, will soon undergo a “technical refresh.” Here are some changes to expect in the coming months. Two such changes include (1) a new look to the login screen; and (2) all available delegations will be located under one ‘Delegations’ tab on the top menu bar.

As for processes, beginning October 1 of this year NIH will mandate that all requests for no-cost extensions must be submitted via the No-Cost Extension feature in eRA Commons.

While the majority of these requests are already being submitted in this fashion, this mandate will end any historical practice of submitting no-cost extensions via other communication channels (e.g. letters, emails).

Finally, NIH continues its work to implement the federal-wide Re-



search Performance Progress Report (RPPR). They will pilot this feature in the Commons early next year, with full implementation slated to

take place in the summer of 2012 (which will replace the current eSNAP feature). NIH implementation of the RPPR will replace the following, widely recognized interim performance reports: (1) Public Health Service (PHS) Non-competing Continuation Progress Report (PHS 2590); and (2) NIH and Agency for Healthcare Research and Quality Ruth L. Kirschstein National Research Service Award Individual Fellowship Progress Report for Continuation Support (PHS 416-9).

RSP WORKSHOP SCHEDULE – FALL 2011

FOR MORE DETAILS, CONTACT DEBORAH LUNDIN AT EXT 2423 OR DEBORAH.LUNDIN@WRIGHT.EDU TO REGISTER, EMAIL RSP@WRIGHT.EDU

TOPIC	WORKSHOP DATE	WORKSHOP TIME	WORKSHOP LOCATION	REGISTRATION DEADLINE
FUNDING OPPORTUNITIES	WEDNESDAY OCTOBER 26	12:15 – 1:15	072 RIKE HALL	MONDAY OCTOBER 24
IN THIS HANDS-ON WORKSHOP, YOU WILL LEARN TO NAVIGATE ELECTRONIC DATABASES (SUCH AS COS AND GRANTS.GOV) AND LEARN VARIOUS TECHNIQUES FOR PERFORMING FUNDING SEARCHES.				
INTRODUCTION TO RCR	MONDAY OCTOBER 31	12:00 – 1:00	E156 A/B STUDENT UNION	THURSDAY OCTOBER 21
RESPONSIBLE CONDUCT OF RESEARCH IS OFFERED TO FACULTY AND GRADUATE STUDENTS WHO WANT TO LEARN MORE ABOUT WRIGHT STATE’S POLICIES ABOUT THE RESPONSIBLE CONDUCT OF RESEARCH. IT IS ONE OF THE COMPONENTS OF WSU’S APPROACH TO MEETING FEDERAL GUIDELINES REQUIRING THE TRAINING OF FACULTY AND STUDENTS WORKING ON FEDERALLY FUNDED RESEARCH.				
PROPOSAL WRITING 101	THURSDAY NOVEMBER 3	12:00 – 1:00	E156 A/B STUDENT UNION	TUESDAY NOVEMBER 1
THIS LECTURE-STYLE TRAINING WALKS NOVICE GRANT WRITERS THROUGH THE GRANT WRITING PROCESS, COVERING THE BASIC NARRATIVE COMPONENTS, WRITING TIPS, AND BUDGET PREPARATION.				
MISCONDUCT IN RESEARCH	TUESDAY NOVEMBER 8	12:00 – 1:00	E156 A/B STUDENT UNION	FRIDAY NOVEMBER 4
THIS WORKSHOP IS ANOTHER COMPONENT OF THE RESPONSIBLE CONDUCT OF RESEARCH SERIES, A PART OF WSU’S EFFORTS TO MEET FEDERAL GUIDELINES REQUIRING THE TRAINING OF FACULTY AND STUDENTS WORKING ON FEDERALLY FUNDED RESEARCH.				

NOTES from Environmental Health & Safety

LAB SAFETY

Every month reports come out about lab accidents that take place at campuses across the country.

Some are very serious, such as [UCLA in 2008](#), [Texas Tech in 2010](#), and more recently at [Yale this year](#).

For every serious accident, dozens of others occur that could have turned out the same way. In fact, EHS is called to assist in the cleanup of over 20 hazardous material spills, mostly in labs, each year at WSU.

Not all accidents are preventable, but there are certain precautions a researcher can take to safeguard against accidents in their lab. One such precaution is to ensure everyone working in the lab is trained on the hazards of the work they are performing. EHS provides training programs emphasizing safe practices for working in laboratories. These trainings are based on industry accepted best practices, as well as required safety and health rules and regulations. [University policy](#) establishes the responsibility for Principal Investigators to ensure everyone working in their lab receives applicable and required health and safety training. To assist PIs in this obligation, EHS maintains a training web page that includes information on how to determine what training is required and how to receive it. Most training is available on-line, but EHS offers the opportunity to provide classroom training as well. For more information on health and safety training at WSU, click on the training link from the EHS website at <http://www.wright.edu/administration/ehs/>



IMPORTANCE OF TIMELY REPORT SUBMISSION

About this time every year, I am reminded of the importance of timely reporting as we gather information for the auditors about reports submitted on grants selected in the audit. For reporting compliance, we have to be able to demonstrate to the auditors proof of submission of all required reports for a grant. Therefore, we ask that all PIs provide RSP with the email or cover letter used to send any technical reports due for the grant so we can demonstrate to the auditors when and to whom the report was submitted. RSP does not need a copy of the report, just proof that it was submitted.

Please remember, that timely submission of reports is critical, as some sponsors may withhold payment on any current award or withhold approval of future awards to the University as a result of delinquent reports. In addition, late reporting or failure to submit reports could result in an audit finding.

If you have any questions about required reports on a grant, please contact the Grants Accountant assigned to the grant or myself. We will be happy to assist you in getting your reports submitted to the sponsor on time.

*Glen Jones,
Post Award Director*

Save the Date!

Wednesday, April 4, 2012
8:30 a.m. – 3:00 p.m.

DR. ROBERT LUCAS INSTITUTE OF SCHOLARLY PRODUCTIVITY

Back by POPULAR DEMAND to Address Grantsmanship,
Including Topics Such As:

- ✓ Identifying Fundable Ideas
- ✓ Locating Likely Sponsors
- ✓ Writing Concept Papers/Inquiry Letters
- ✓ Developing a Strong, Convincing Proposal
- ✓ Dealing with Reviewer Comments

Application required. Attendance will be limited to 25 attendees. For details on how to apply for and participate in the workshop, check out the next (Winter) issue of Research News or visit the [RSP web site](#) under "Proposal Preparation" for the updated application. The workshop is geared toward faculty from all disciplines who are new to grantwriting.

Are you a new faculty member at WSU?

Are you new to the world of extramural funding?

Are you a veteran WSU faculty or staff member
re-entering the world of extramural funding?

THE OFFICE OF RESEARCH AND SPONSORED PROGRAMS

INVITES YOU TO ATTEND AN

ORIENTATION SEMINAR

**THURSDAY, OCTOBER 20
8:30 A.M. TO 12:30 P.M.
E 157 STUDENT UNION**

From this informative session, you will receive

- ❖ Guidance on finding funding
- ❖ Information regarding WSU internal grants
- ❖ An introduction to the proposal submission and post award processes
 - ❖ Advice on compliance issues
- ❖ An overview from the Office of Technology Transfer and Development
- ❖ An introduction to new and existing electronic portals/databases from which to identify potential funding sponsors

Please R.S.V.P. by October 13 to Jan Power
ext. 2425 or rsp@wright.edu

AWARDS

The grants and contracts on these pages were awarded from May 2011 through August 2011

Boonshoft School of Medicine

Boivin, Gregory

Biopsy Study

Devicor Medical Products, Inc.

\$14,553

Bricker, Dean

Hershberger, Paul J.

Improving Patient Self-

*Management and Adherence: A
Curriculum for Internal Medicine
Residents, Family Medicine*

Residents, and Pharmacy Students

University of Cincinnati

\$26,500

Brown, Thomas L.

HIF-1 Alpha Regulation of T

rophoblast Differentiation in vivo

DHHS, National Institute of Child

Health and Human Development

\$305,595

Carlson, Robert G.

Falck, Russel S.

Daniulaityte, Raminta

Nahhas, Ramzi

Trajectories of Illicit

Pharmaceutical Opioid Use

Among Young Adults in Ohio

DHHS, National Institute on Drug

Abuse

\$43,797

Carlson, Robert G.

Falck, Russel S.

Buprenorphine Post-Marketing

Surveillance

CRS Associates, LLC

\$3,150

Cauley, Katherine L.

AHEC Support

Ohio Board of Regents

\$37,004

Cauley, Katherine L.

Sinclair Community College

Matching Funds CY2011

Sinclair Community College

\$16,000

Chen, Yanfang

Morris, Mariana

Olson, James E.

Balance of Angiotensin II/

Angiotensin (1-1): A Target in

Ischemic Stroke

DHHS, National Heart, Lung, and

Blood Institute

\$368,822

Chen, Yanfang

Enhancing the SDF-1a/CXCR4

Pathway in EPCs Based

asoregenesis Therapy for Diabetic

Stroke

American Diabetes Association -

National

\$109,250

Czerwinski, Stefan Aleksander

Siervogel, Roger M.

Choh, Audrey

Chumlea, W. Cameron

Duren, Dana L.

Lee, Miryoung

Adiposity, Disease Risk Factors,

and Lifetime Health

DHHS, National Institute of Child

Health and Human Development

\$1,390,753

Daniulaityte, Raminta

Sheth, Amit

Carlson, Robert G.

Falck, Russel S.

A Study of Social Web Data on

Buprenorphine Abuse Using

Semantic Web Technology

DHHS, National Institute on Drug

Abuse

\$219,000

Dodge, Robin E.

Aerospace Medicine Training

for the Era of Moon, Mars, and

Beyond

National Aeronautics and Space

Administration

\$300,000

Dulaney-Cripe, Elizabeth M.

Boivin, Gregory

Adipose Tissue-Derived Stem

Cells to Improve Tendon-to-Bone

Repair

American Orthopaedic Society for

Sports Medicine

\$40,000

Dunn, Margaret M.

NCI Award Under DCOP Fiscal

Agency Agreement

Dayton Clinical Oncology

Program

\$472,975

Dunn, Margaret M.

Miscellaneous Awards Under

DCOP Fiscal Agency Agreement

Dayton Clinical Oncology

Program

\$177,666

<p>Ford, JoAnn Williams, Carlton <i>One-Stop to Wellness</i> DHHS, Substance Abuse and Mental Health Services Administration \$398,744</p>	<p>Hostetler, Heather A. <i>The Role of Long Chain Acyl-CoAs in Nuclear Receptor Regulation</i> DHHS, National Institute of Dia- betes and Digestive and Kidney Diseases \$249,000</p>	<p>Morris, Mariana Elased, Khalid M. Chen, Yanfang <i>ACE Balance in the Cardiovascular Complication of Diabetes</i> DHHS, National Heart, Lung, and Blood Institute \$358,750</p>
<p>Fraker, Susan M. Ford, JoAnn <i>Technology Assisted Services for Persons with Disabilities</i> Ohio Department of Alcohol & Drug Addiction Services \$343,627</p>	<p>Kadokia, Madhavi P. <i>Identification of Peptide Ligands Using Phage Peptide Library</i> Universal Energy Systems, Inc. \$80,000</p>	<p>Morris, Mariana <i>Gulf War Illness Research Development Consortium (GWIC)</i> DoD, Army Medical R&D Com- mand \$251,475</p>
<p>Gentile, Julie P. <i>MR/MI Professorship for FY2012</i> Montgomery County ADAMH Services Board \$30,000</p>	<p>Lawhorne, Larry Wayne <i>Direct Service Workforce Project: Providing Training and Career Pathways for Ohio's Long-Term Care Workforce</i> Ohio State University \$24,973</p>	<p>Morris, Mariana Chumlea, W. Cameron <i>Short-Term Health Research Training to Increase Diversity</i> DHHS, National Heart, Lung, and Blood Institute \$138,888</p>
<p>Gomez-Cambronero, Julian <i>Mechanisms of PLD Interaction with Kinases and Rac: Role on Phagocyte Chemotaxis</i> DHHS, National Heart, Lung, and Blood Institute \$287,000</p>	<p>Leffak, I. Michael <i>Analysis of the Human c-myc Gene Replication Origin</i> DHHS, National Institute of General Medical Sciences \$298,870</p>	<p>Morris, Mariana <i>Autism Neuropeptide Hormones and Potential Pathway Genes</i> University of Illinois \$16,800</p>
<p>Grobe, Nadja Morris, Mariana Elased, Khalid M. <i>Molecular Imaging of Renal Angiotensin (1-7) Forming Enzymes</i> DHHS, National Institute of Diabetes and Digestive and Kidney Diseases \$48,398</p>	<p>Lucot, James B. <i>Maintenance of Colonies for Antiemetic Studies</i> Epiomed \$5,865</p>	<p>Organisciak, Daniel T. <i>Photoreceptor Cell Survival in Royal College of Surgeons Rats: Continued Studies on the Efficacy of Drug Treatments</i> Alcon Laboratories, Inc. \$13,616</p>
<p>Grobe, Nadja Morris, Mariana Elased, Khalid M. <i>Molecular Imaging of Renal Angiotensin (1-7) Forming Enzymes</i> American Heart Association - Great Rivers Affiliate \$43,000</p>	<p>McAlearney, John <i>Direct Service Workforce Project: Providing Training and Career Pathways for Ohio's Long-Term Care Workforce</i> Ohio State University \$13,372</p>	<p>Paliy, Oleg Reo, Nicholas V. Raymer, Michael L. <i>Quantitative Measurements of Intestinal Metabolites in Healthy and IBS Children</i> DHHS, National Institute of Child Health and Human Development \$70,080</p>

Rich, Mark M.
*Muscle and Neuromuscular
Junctions in Spinal Muscular Atro-
phy*
Johns Hopkins University
\$34,429

Rohan, Joyce G.
Engisch, Kathrin L.
*Imaging the Primed Vesicle Pool: A
Novel Tool to Study Vesicle Priming*
DHHS, National Institute of General
Medical Sciences
\$54,734

Sherwood, Richard J.
Duren, Dana L.
Towne, Bradford
*Genetic Architecture of the Human
Dentognathic Complex*
DHHS, National Institute of Dental
and Craniofacial Research
\$44,825

Sulentic, Courtney E.W.
*3'alpha Enhancer Regulation by
AhR and NF-kappaB/Rel Proteins*
DHHS, National Institute of
Environmental Health Sciences
\$19,735

Sulentic, Courtney E.W.
*3'alpha Enhancer Regulation by
AhR and NF-kappaB/Rel Proteins*
DHHS, National Institute of
Environmental Health Sciences
\$11,378

Williams, Carlton
Wilson, Josephine F.
Fifty-Plus Prevention Project (F3P)
DHHS, Substance Abuse and
Mental Health Services
Administration
\$298,227

Xu, Yong-Jie
*Phosphorylation Network of the
DNA Replication Check Point in
Fission Yeast*
Ohio Cancer Research Associates
\$30,000

*College of Education and
Human Services*
Davis, Stephanie
*Capacity-Building Faculty
Support Grant FY 2012 and 2013
From Carl Perkins Foundation*
Ohio Department of Education
\$72,000

Hanby, Donna
Teacher Performance Assessment
Ohio Board of Regents
\$25,500

Harris, Charlotte M.
*Dayton Regional Science,
Technology, Engineering, and
Mathematics School Services
Agreement*
Dayton Regional Science,
Technology, Engineering, and
Mathematics (STEM) School
\$1,724,406

Harris, Charlotte M.
Ohio STEM Learning Network
Ohio STEM Learning Network
\$80,000

Lindsey, Jill L.
Franco, Suzanne
OPES Scenarios Project
Ohio Department of Education
\$33,000

Lindsey, Jill L.
Risacher, Joanne
SOCHE Internship
Southwestern Ohio Council for
Higher Education
\$22,870

Lindsey, Jill L.
Risacher, Joanne
*Clark State Community College
Internship*
Clark State Community College
\$18,486

Lindsey, Jill L.
Franco, Suzanne
OPES Teacher Leader Grant
Ohio Dominican University
\$14,000

Lyon, Anna
*Reading Recovery: Scaling Up
What Works*
Ohio State University
\$27,000

Lyon, Anna
McLellan, Marjorie L.
Sayer, Cathy
*Civic Minor in Urban Education:
Civic Voices and Public Achieve-
ment*
American Association of State
Colleges and Universities
\$18,000

McKnight, Jr., Jack
*Ripley Union Lewis Huntington
School District Consulting
Agreement*
Ripley Union Lewis Huntington
Local School District Board of
Education
\$8,000

*College of Engineering and
Computer Science*

Bourbakis, Nikolaos G.
*A Study Toward Deterministic
Detection for Hijacked Execution
Flow*
DoD, Office of Naval Research
\$42,860

Chen, Chien-In Henry
Benson, Stephen R.
*Monobit Ultra High Chirp Rate
Digital Chirp Receiver Using
Monobit IFM Digital Receiver as
a Core*
Dayton Area Graduate Studies
Institute
\$66,571

Dong, Haibo
*CAREER: An Integrated Study
of Biological Fluid Dynamics in
Nature*
NSF, Faculty Early Career
Development
\$400,004

Dong, Haibo
*Flow Modulation and Force
Control of Flapping Wings*
Purdue University
\$48,413

Dong, Haibo
*CFD Analysis of Advanced
Rotary Diesel Engine Fuel
Injection System for UGVs*
L.K. Industries, Inc.
\$30,000

Farajian, Amir
Pupysheva, Olga
*Modeling Ultrasound Exfoliation
of Graphene Nanoplatelets*
Angstrom Materials LLC
\$150,100

Goshtasby, A. Ardeshir
*Medical Image Analysis for FMI
Sensors*
FMI Technologies, Inc.
\$112,208

Goshtasby, A. Ardeshir
*Medical Image Analysis for FMI
Sensors*
FMI Technologies, Inc.
\$102,524

Goshtasby, A. Ardeshir
Jackson, Brian P.
*Automated Streaming Imagery
Filter Selection*
Dayton Area Graduate Studies
Institute
\$66,571

Grandhi, Ramana V.
Gannon, Kenneth M.
*Reliability-Based Transonic
Flutter Analysis of Supersonic
Aircraft Designs*
Dayton Area Graduate Studies
Institute
\$66,722

Grandhi, Ramana V.
Srinivasan, Raghavan
Loughnane, Gregory T.
*Characterization, Representations,
and Simulation of Alloy
Microstructures*
Dayton Area Graduate Studies
Institute
\$58,590

Grandhi, Ramana V.
*Collaborative Center in
Multidisciplinary Sciences
(CCMS)*
Virginia Polytechnic Institute and
State University
\$32,000

Hangartner, Thomas N.
*Bone Mineral Density in
Childhood Study (BMDCS)*
Clinical Trials & Surveys Corp.
\$10,458

He, Ping
Twyman, II, Marlon D.
*High-Density Electroencephalo-
graphic Source Localization for
Workload Assessment in Complex
Cognitive Tasks*
Dayton Area Graduate Studies
Institute
\$15,541

Hitzler, Pascal
*III: Small: TRON - Tractable
Reasoning Ontologies*
NSF, Miscellaneous
\$300,057

Hitzler, Pascal
*SEM: Semantics-Enabled
Editorial Management*
IOS Press
\$6,000

Huang, George
*Collaboration Agreement with
Software Cradle Company*
Software Cradle Co., Ltd.
\$95,000

Huang, Hong
Deibel, Jason A.
Higgins, Steven R.
Pavel, Ioana E.
*NUE - WSU Nanoscience and
Nanotechnology Laboratory
Experience*
NSF, Miscellaneous
\$199,957

Klingbeil, Nathan W.
*Collaborative Research: GOALI
Integrated Control for
Microstructure and Melt Pool
Dimension of Electron Beam
Additive Manufacturing*
NSF, Miscellaneous
\$242,830

Mawasha, P. Ruby
*Ohio Space Grant Consortium
Scholarship/Fellowship Program
2010/2011*
Ohio Space Grant Consortium
\$2,400

Menart, James A.
*Next-Generation Ion Thruster
Design Tool to Support Future
Space Missions*
Tech-X Corporation
\$20,000

Meyer, Karen Alexander, Matthew R. <i>Future Jobs Internship: Matt Alexander</i> Clark State Community College \$485	Penmetsa, Ravi C. Guo, Jia <i>Forecasting Aircraft Usage for Prognostics</i> University of Illinois \$23,020	Sheth, Amit <i>Semantics and Services Enabled Problem Solving Environment for Trypanosoma cruzi</i> DHHS, National Heart, Lung, and Blood Institute \$373,638
Mukhopadhyay, Sharmila M. Barney, Ian Timothy <i>Thermally Responsive Encapsulated Phase Change Materials</i> Dayton Area Graduate Studies Institute \$66,571	Penmetsa, Ravi C. <i>Risk-Informed Variable Fidelity Damage Modeling for Efficient Structural Forecasting</i> Universal Technology Corporation \$15,688	Sheth, Amit Hitzler, Pascal <i>EAGER: Expressive Scalable Querying over Linked Open Data</i> NSF, Miscellaneous \$125,828
Narayanan, Sundaram Hangartner, Thomas N. Gallimore, Jennie J. Miller, Aaron N. Gebhart, Mark E. <i>Human Performance Center of Excellence</i> Ohio Department of Development \$959,570	Rattan, Kuldip S. Baine, Nicholas A. <i>Integrated GPS/IMU Optical Navigation Systems with System Fault Detection</i> Dayton Area Graduate Studies Institute \$66,571	Sheth, Amit <i>Cardiology Semantic Analysis System: Phase I</i> ezdataintelligence LLC \$25,000
Narayanan, Sundaram Fendley, Mary E. Rigling, Brian D. <i>Revolutionary Intelligence and Influence Technologies (RIIT)</i> DoD, Air Force, Air Force Research Laboratory \$100,000	Rigling, Brian D. Garber, Fred D. <i>Center for Automatic Target Recognition: Research Infrastructure</i> DoD, Air Force, Air Force Research Laboratory \$348,095	Shingledecker, Clark Vernooy, Jeffrey A. <i>Continuing Support for an Interactive Webcast Program to Prepare Students with Disabilities and Parents for Transition to Postsecondary Education and Careers in STEMM</i> Ohio Rehabilitation Services Commission \$50,000
Narayanan, Sundaram <i>Operations Support Center (OSC) of Tec^Edge</i> Wright Brothers Institute, Inc. (The) \$7,116	Roberts, Rory A. <i>Develop a Heat Changer Model with 2nd Low Analysis</i> Doty Consulting Services \$10,000	Slater, Joseph C. Cooley, Phillip E. <i>Application of the Campbell Design Concept to Identification of Fatigue Cracks in Bladed Disk Assemblies</i> Dayton Area Graduate Studies Institute \$15,541
Parikh, Pratik Hamister, James <i>Pricing Optimization at Local Win Wholesale Companies</i> Win Wholesale Inc. \$32,200	Sheth, Amit Shalin, Valerie L. Flach, John M. <i>Collaborative Research: SoCS Social Media Enhanced Organization Sensemaking in Emergency Response</i> NSF, Miscellaneous \$480,000	Srinivasan, Raghavan <i>Feasibility Study of a New Concept for Severe Plastic Deformation</i> Forging Industry Educational and Research Foundation \$24,799

Srinivasan, Raghavan <i>Compression Testing</i> ATI Allvac \$17,500	Dockery, Jane L. <i>Ohio Board of Regents Workforce Development Data Analysis - Supplement</i> Ohio Board of Regents \$60,000	Hooker, Carol M. <i>Updating the Continuity of Operations Plan</i> Greene County Combined Health District \$14,996
Srinivasan, Raghavan <i>Compression Testing</i> ATI Allvac \$2,100	Dockery, Jane L. <i>Aerospace: Statewide Strategic Plan for Industry</i> Ohio Board of Regents \$40,000	Hooker, Carol M. <i>Think TV Asthma Evaluation</i> Think TV Network (Greater Dayton Public Television) \$5,000
Taylor, Ronald F. <i>Integrated Mesh and Geometry Modeling with Sensitivities for Multidisciplinary Design Optimization</i> Universal Technology Corporation \$49,713	Dockery, Jane L. <i>Ohio Volunteer Accreditation Team (OVAT)</i> Association of Ohio Health Commissioners \$35,000	Hooker, Carol M. <i>Ready To Lead in Literacy Project Evaluation</i> Think TV Network (Greater Dayton Public Television) \$2,000
Thomas, Scott Keith <i>Determination of the Thermal Conductivity of Two Metallic Rods</i> Development Projects, Inc. \$9,965	Dockery, Jane L. <i>RIG Asset Mapping</i> Montgomery County Department of Job and Family Services \$7,500	Jones, Thomas Davidson <i>Preble County General Health District Community Health Assessment: 2011</i> Preble County Mental Health and Recovery Board \$23,035
Zhuang, Yan Strope, Casey J. <i>Fundamentals of Low Dimensional Carbon Films Grown by Sublimation of SiC</i> Dayton Area Graduate Studies Institute \$60,422	Dockery, Jane L. <i>Sinclair Community College Dislocated and Incumbent Worker Training Program</i> Sinclair Community College \$2,000	Jones, Thomas Davidson <i>City of Miamisburg Survey of Sensing Regarding Health, Wellness, Recreation, and Social Services</i> Kettering Medical Center Foundation \$11,075
<i>College of Liberal Arts</i>	Dustin, Jack L. <i>Public Engagement: Yellow Springs Schools</i> Yellow Springs Exempted Village Schools \$17,181	Jones, Thomas Davidson <i>Delaware County Health Assessment</i> The Strategy Team, Ltd. \$7,677
Cortes, Tess <i>General Operating Support: Art Galleries</i> Ohio Arts Council \$4,385	Dustin, Jack L. <i>Public and Social Service Transportation Curriculum and Internship Program</i> Ohio Department of Transporta- tion \$12,000	Jones, Thomas Davidson <i>RTA Market Expansion Survey</i> RLS Associates \$6,156

Jones, Thomas Davidson <i>Organizational Self-Assessment</i> Columbus Public Health \$3,335	Bharwani, Govind Parikh, Pratik <i>Effect of Individualized Non-Pharmacological Therapies on Cognitive Decline</i> St. Leonard \$15,000	Bubulya, Paula <i>Gene Regulatory Functions for the Nuclear Speckle Scaffolding Protein Son</i> DHHS, National Institute of General Medical Sciences \$292,000
Jones, Thomas Davidson <i>Yellow Springs Schools Parent Survey</i> Yellow Springs Exempted Village Schools \$927	Curry, Donna M. <i>Nurse Faculty Loan Program (NFLP) 2011/2012</i> DHHS, Health Resources and Services Administration \$68,540	Deibel, Jason A. Petkie, Douglas T. <i>Electromagnetic NDE Techniques for the Detection and Characterization of Damage and Degradation in Thermal Protein Systems (TPS)</i> Universal Technology Corporation \$37,600
Kennedy, Sandra D. <i>Greater Springfield Community Project</i> Greater Springfield Chamber of Commerce \$15,000	Curry, Donna M. <i>Professional Nurse Traineeship: FY2012</i> DHHS, Health Resources and Services Administration \$46,557	Deibel, Jason A. Petkie, Douglas T. Medvedev, Ivan <i>Advanced Instrumentation and Non-Destructive Evaluation for Composite Structures</i> Princeton Nanotechnology Systems \$24,994
Kennedy, Sandra D. <i>Efficiently Managing Your OLOI Project, Project Assessment, and Strategic Planning</i> Veterans Affairs Medical Center \$8,600	Martin, Patricia A. <i>Miami Valley Hospital Operating Agreement</i> Miami Valley Hospital \$90,000	Deibel, Jason A. Petkie, Douglas T. <i>THz Imaging Characterization Work</i> MEMC Electronic Materials, Inc. \$9,125
Layne, Jo Ellen Brun, Carl F. <i>Child Welfare Workforce Professional Education Program</i> Ohio Department of Job and Fam- ily Services \$123,250	Brown, Elliott <i>III-N Devices and Architectures for THz Electronics</i> University of Notre Dame \$52,317	Excoffon, Katherine Wooley, Dawn P. <i>Molecular Evolution of AAV Vectors for Anti-HIV Gene Therapy</i> DHHS, National Institute of Allergy and Infectious Diseases \$193,346
Subban, Jennifer Dockery, Jane L. <i>Comprehensive Neighborhood Initiative (CNI)</i> Montgomery County Family and Children First Council \$23,225	Brown, Elliott <i>Non-Contact, THz Sensing of Corneal Hydration</i> University of California, Los Angeles \$28,181	Flach, John M. Tsang, Pamela S. <i>16th International Symposium on Aviation Psychology</i> DoD, Air Force Office of Scientific Research \$18,900
<i>College of Nursing and Health</i>		
Bharwani, Govind <i>Reducing Agitation Through Non-Pharmacological Therapies</i> AMDA Foundation \$15,000		

<p>Flach, John M. <i>FAA Nextgen Research Support</i> Ball Aerospace \$10,705</p>	<p>Hammerschmidt, Chad R. Burgin, Amy J. Nogaro, Geraldine <i>Effects of Alum Addition on Benthic Communities and Metal and Nutrient Cycles in Grand Lake St. Mary's Ohio</i> Ohio State University \$14,252</p>	<p>Kleven, Gale A. <i>Pathways of Bio-Behavioral Development in the Fetal Basis of Adult Disease</i> DHHS, National Institute of Nursing Research (NINR) \$238,992</p>
<p>Fox, Jane Lee <i>Monte Carlo Calculations of the Photochemical Escape Fluxes of O, C, and N from Mars, and the Isotope Fractionation Factors Inherent in the Escape Mechanisms</i> National Aeronautics and Space Administration \$98,086</p>	<p>Hammerschmidt, Chad R. <i>Mercury Analysis of Environmental Samples</i> More Than One Source of Support \$1,746</p>	<p>Kozlowski, Gregory Sheets, Alexander O. <i>Development of Magnetic Nanomaterials for Power Applications</i> Dayton Area Graduate Studies Institute \$7,695</p>
<p>Gershenson, Naum Bambakidis, Gust <i>Macro-Scale Friction in the Framework of the Frenkel-Kontorova Model: Application to Dynamics of Crustal Faults</i> NSF, Grants for Scientific Research \$129,138</p>	<p>Hauser, Ernest C. <i>City of Salem</i> Parsons Commercial Technology Group Inc. \$3,982</p>	<p>Li, Qun <i>Fully Nonlinear Equations in Complex Geometry</i> NSF, Grants for Scientific Research \$105,680</p>
<p>Green, Randall F. Colle, Herbert A. <i>Software Support for Teen Driver Training Research</i> Virtual Simulation and Training Inc. \$8,384</p>	<p>Higgins, Steven R. <i>Design of a Hydrothermal Atomic Force Microscope and Investigations of Mineral Growth and Dissolution</i> Oak Ridge National Laboratory \$15,000</p>	<p>Look, David C. <i>Electrical Activity of the ZnO Surface - Supplement</i> Ohio State University \$116,000</p>
<p>Hammerschmidt, Chad R. <i>Collaborative Research: GEOTRACES: Atlantic Section: Mercury Speciation Along a Zonal Section in the North Atlantic</i> NSF, Miscellaneous \$48,631</p>	<p>Hunt, Allen Gerhard <i>Critical Path Analysis and Cluster Statistics of Percolation Theory</i> <i>Calculation of Effective Reaction Rates of Solutes in the Hanford Subsurface</i> Pacific Northwest National Laboratory \$64,682</p>	<p>Look, David C. <i>Hall Effect Measurements</i> More Than One Source of Support \$1,400</p>
	<p>Imber, Ann N. Putnam, Robert W. <i>The Role of Calcium in Central Cardiorespiratory Control Neurons</i> American Heart Association - Great Rivers Affiliate \$23,000</p>	<p>Nagy, Allen L. <i>Enabling Representation of Meta-Information in Net-Centric Environments</i> Charles River Analytics Inc. \$47,669</p>
		<p>Reed, Michelle K. <i>Project KNOTtT: Strengthening Systems Capacity Collaboratively with Kansas, Nevada, Ohio, and Texas Foundation Project #667074</i> Ohio State University \$58,808</p>

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

Shebilske, Wayne L.
Vernooy, Jeffrey A.
*Precollege Assessment and
Training II*
Ohio Rehabilitation Services
Commission
\$65,000

Shebilske, Wayne L.
*Research and Analytical Support
for the 711th HPW Human
Effectiveness Directorate*
DoD, Air Force, Air Force
Research Laboratory
\$50,000

Stireman, John O.
*Collaborative Research:
Caterpillars and Parasitoids in the
Eastern Andes of Ecuador*
NSF, Grants for Scientific
Research
\$39,151

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

Vadeboncoeur, Yvonne
*Collaborative Research:
Consumer Control of High-Pro-
ductivity/Low-Nutrient
Ecosystems: Enhancement of
Primary Productivity by Grazing
Fish in Lake Tanganyika*
NSF, Miscellaneous
\$115,670

Weir, Nathan Michael
Morris, Mariana
*Renal Angiotensin Converting
Enzyme 2 (ACE2) Activity Protects
Against Albuminuria*
American Heart Association -
Great Rivers Affiliate
\$23,000

Lake Campus

Wolfe, John R.
*Mobile Assistive Learning
Devices: The Smartphone and
Smartpen (Y2)*
Ohio Rehabilitation Services
Commission
\$25,000

Library

Dewey, Dawne
*University of Dayton Roesch
Library Archives Public History
Internship*
University of Dayton
\$8,220

Gregorich, Earl
*Veteran Entrepreneurial Training
Program (VET)*
Ohio Department of Development
\$69,057

Gregorich, Earl
*SBDC Portability Water
Technology Innovation Cluster
Program*
Ohio Department of Development
\$31,500

School of Professional Psychology

James, Larry
Rountree, Hazel
*Dance and Nutrition Create
Excitement About Good Health*
Ohio Commission on Minority
Health
\$18,073

McCarley, Victor
SEARCH Program
Ohio Department of Mental
Health
\$4,500

Winfrey, LaPearl L.
*SOPP Practicum Training: Brief
Therapy FY12*
Brief Therapy Center
\$35,000

Winfrey, LaPearl L.
*SOPP Internship: Children's
Medical Center FY2012*
Children's Medical Center
\$24,000

Winfrey, LaPearl L.
*SOPP Internship: South
Community FY12*
South Community Mental Health
Center
\$16,000

Winfrey, LaPearl L.
*SOPP Practicum: UD Counseling
Center FY12*
University of Dayton
\$12,400

Winfrey, LaPearl L.
*Internship Site Agreement: Upper
Valley Medical Center*
Dettmer Hospital
\$12,000

Winfrey, LaPearl L. <i>SOPP Internship: Summit BHC FY12</i> Summit Behavioral Healthcare \$12,000	Yung, Betty <i>Evaluation of the State Partnership Grant for the Ohio Commission on Minority Health</i> Ohio Commission on Minority Health \$2,000	Penick, Jennifer L. <i>PELL Grant Program 2010/2011</i> U.S. Department of Education \$8,234,938
Winfrey, LaPearl L. <i>SOPP Practicum: Central Clinic FY12</i> Central Clinic \$12,000	<i>Universitywide</i>	Penick, Jennifer L. <i>Academic Competitiveness Grant 2010/2011</i> U.S. Department of Education \$370,055
Winfrey, LaPearl L. <i>SOPP Practicum: Summit BHC FY12</i> Summit Behavioral Healthcare \$9,000	Barnhart, Amy <i>PELL Grant Program 2011/2012</i> U.S. Department of Education \$2,634,214	Penick, Jennifer L. <i>National SMART Grant Program 2010/2011</i> U.S. Department of Education \$220,118
Winfrey, LaPearl L. <i>SOPP Practicum: Bonds Mathis FY12</i> Bonds, Mathis & Associates \$7,000	Barnhart, Amy <i>College Work-Study Program 2011/2012</i> U.S. Department of Education \$940,830	Penick, Jennifer L. <i>PELL Grant Program 2009/2010</i> U.S. Department of Education \$195,479
Winfrey, LaPearl L. <i>SOPP Practicum: Darke County MHC FY12</i> Darke County Mental Health Center \$7,000	Barnhart, Amy <i>Supplemental Educational Opportunity Grant Program (SEOG) 2011/2012</i> U.S. Department of Education \$429,091	Ulliman, Jeff <i>Federal Stimulus Funds: Main Campus 2010/2011</i> Ohio Board of Regents \$1,649,131
Winfrey, LaPearl L. <i>SOPP Practicum: South Community MHC FY12</i> South Community Mental Health Center \$7,000	Barnhart, Amy Cetnar, John S. Winterbottom, Marc D. Crawford, Elizabeth A. Nguyen, Jr., Loc Phuoc Browning, Fernando C. <i>Science, Mathematics, and Research for Transformation (SMART) Defense Scholarship Program 2011/2012</i> American Society for Engineering Education \$59,130	Ulliman, Jeff <i>Federal Stimulus Funds: Main Campus 2010/2011</i> Ohio Board of Regents \$858,829
Yung, Betty Clasen, Carla <i>Project Lead the Way Biomedical Sciences Program Evaluation</i> Sinclair Community College \$22,572	Barnhart, Amy <i>Nursing Student Loans 2011/2012</i> DHHS, Health Resources and Services Administration \$10,171	Ulliman, Jeff <i>Federal Stimulus Funds: Lake Campus 2010/2011</i> Ohio Board of Regents \$27,043

*VP for Curriculum
Development*

Hoffman, Christopher
*Upward Bound Summer Lunch
Program*
Ohio Department of Education
\$2,847

Sudkamp, Thomas A.
*Growing the STEMM Pipeline in
the Dayton Region: Becoming an
International Center of Excellence
for Human Effectiveness/Human
Performance*
Ohio Board of Regents
\$1,099,500

Sudkamp, Thomas A.
Articulation and Transfer
More Than One Source of Support
\$59,203

Sudkamp, Thomas A.
Articulation and Transfer
Ohio Board of Regents
\$8,000

*VP for Research and
Graduate Studies*

Fendley, Ryan D.
*Business and Technical Support
Services*
Wright State Applied Research
Corporation
\$85,905

Fendley, Ryan D.
*Business and Technical Support
Services*
Wright State Applied Research
Corporation
\$29,842

He, Hui
*Development of a Direct Ethanol
Fuel Cell System with Onion
Exchange Membranes*
Tremont Technology LLC
\$4,500

Hsu, Andrew T.
Ayres, R. William
*Completion and Attrition in
STEM Master's Programs*
Council of Graduate Schools
\$30,000

Kidambi, Phani
*Web Yoga Spider Xchange Sys-
tem Research, Development, and
Deployment*
Web Yoga, Inc.
\$708,384

Magill, John M.
OhioLINK
Ohio Board of Regents
\$1,608,329

Magill, John M.
OhioLINK
Ohio Board of Regents
\$1,525,000

Magill, John M.
*Libraries Connect Ohio Resource
Sharing Project*
State Library of Ohio
\$1,500,000

Magill, John M.
*Libraries Connect Ohio
Resources Sharing Project*
State Library of Ohio
\$1,258,000

Magill, John M.
*The A-DRM Consortium:
Extending the Accessibility of Dig-
ital Textbooks and Other Learning
Materials*
Ohio Board of Regents
\$7,200

Miller, Aaron N.
Gebhart, Mark E.
*Modular Emergency Medical Sys-
tem (MEMS) Support*
Ohio Department of Health
\$417,161

Miller, Aaron N.
*Illumination Works Research and
Project Support*
Illumination Works LLC
\$2,248

Wysong, Mark
*InfoSciTex: ATEA Task Order
0005*
InfoSciTex
\$354,712

Wysong, Mark
*InfoSciTex: ATEA Task Order
0004*
InfoSciTex
\$51,978

Wysong, Mark
Testing and Test Assets Support
MacAulay-Brown, Inc.
\$32,336

Wysong, Mark
*InfoSciTex: ATEA Task Order
0001*
InfoSciTex
\$5,000

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For information, contact Dominique Belanger, Ph.D.
dominique.belanger@wright.edu

April 13, 2012

Wright State University Student Union Apollo Room

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