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.

IN THIS ISSUE...
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 comfortable 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](http://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
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.

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<tr>
<th>Period of Service</th>
<th>Time of Eligibility</th>
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</table>

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.
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 Research 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**

<table>
<thead>
<tr>
<th>TOPIC</th>
<th>WORKSHOP DATE</th>
<th>WORKSHOP TIME</th>
<th>WORKSHOP LOCATION</th>
<th>REGISTRATION DEADLINE</th>
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</thead>
<tbody>
<tr>
<td><strong>Funding Opportunities</strong></td>
<td><strong>Wednesday October 26</strong></td>
<td>12:15 – 1:15</td>
<td>072 Rike Hall</td>
<td><strong>Monday October 24</strong></td>
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<td>In this hands-on workshop, you will learn to navigate electronic databases (such as COGS and Grants.Gov) and learn various techniques for performing funding searches.</td>
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<tr>
<td><strong>Introduction to RCR</strong></td>
<td><strong>Monday October 31</strong></td>
<td>12:00 – 1:00</td>
<td>E156 A/B Student Union</td>
<td><strong>Thursday October 21</strong></td>
</tr>
<tr>
<td>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.</td>
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<td><strong>Proposal Writing 101</strong></td>
<td><strong>Thursday November 3</strong></td>
<td>12:00 – 1:00</td>
<td>E156 A/B Student Union</td>
<td><strong>Tuesday November 1</strong></td>
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<td>This lecture-style training walks novice grant writers through the grant writing process, covering the basic narrative components, writing tips, and budget preparation.</td>
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<tr>
<td><strong>Misconduct in Research</strong></td>
<td><strong>Tuesday November 8</strong></td>
<td>12:00 – 1:00</td>
<td>E156 A/B Student Union</td>
<td><strong>Friday November 4</strong></td>
</tr>
<tr>
<td>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.</td>
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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/

IMPORTANT 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 website 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.
E157 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 Trophoblast 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, Mieryoung
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
Ford, JoAnn  
Williams, Carlton  
*One-Stop to Wellness*  
DHHS, Substance Abuse and Mental Health Services Administration  
$398,744

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

Gentile, Julie P.  
*MRI/MI Professorship for FY2012*  
Montgomery County ADAMH Services Board  
$30,000

Gomez-Cambronero, Julian  
*Mechanisms of PLD Interaction with Kinases and Rac: Role on Phagocyte Chemotaxis*  
DHHS, National Heart, Lung, and Blood Institute  
$287,000

Grobe, Nadja  
Morris, Mariana  
Elased, Khalid M.  
*Molecular Imaging of Renal Angiotensin (1-7) Forming Enzymes*  
DHHS, National Institute of Diabetes and Digestive and Kidney Diseases  
$48,398

Grobe, Nadja  
Morris, Mariana  
Elased, Khalid M.  
*Molecular Imaging of Renal Angiotensin (1-7) Forming Enzymes*  
American Heart Association - Great Rivers Affiliate  
$43,000

Hostetler, Heather A.  
The Role of Long Chain Acyl-CoAs in Nuclear Receptor Regulation  
DHHS, National Institute of Diabetes and Digestive and Kidney Diseases  
$249,000

Kadakia, Madhavi P.  
*Identification of Peptide Ligands Using Phage Peptide Library*  
Universal Energy Systems, Inc.  
$80,000

Lawhorne, Larry Wayne  
*Direct Service Workforce Project: Providing Training and Career Pathways for Ohio's Long-Term Care Workforce*  
Ohio State University  
$24,973

Leffak, I. Michael  
*Analysis of the Human c-myc Gene Replication Origin*  
DHHS, National Institute of General Medical Sciences  
$298,870

Lucot, James B.  
*Maintenance of Colonies for Antiemetic Studies*  
Epimedi  
$5,865

McAlearney, John  
*Direct Service Workforce Project: Providing Training and Career Pathways for Ohio's Long-Term Care Workforce*  
Ohio State University  
$13,372

Morris, Mariana  
Organisciak, Daniel T.  
*Photoreceptor Cell Survival in Royal College of Surgeons Rats: Continued Studies on the Efficacy of Drug Treatments*  
Alcon Laboratories, Inc.  
$13,616

Paliy, Oleg  
Reo, Nicholas V.  
Raymer, Michael L.  
*Quantitative Measurements of Intestinal Metabolites in Healthy and IBS Children*  
DHHS, National Institute of Child Health and Human Development  
$70,080

Morris, Mariana  
Chumlea, W. Cameron  
*Short-Term Health Research Training to Increase Diversity*  
DHHS, National Heart, Lung, and Blood Institute  
$138,888

Morris, Mariana  
*ACE Balance in the Cardiovascular Complication of Diabetes*  
DHHS, National Heart, Lung, and Blood Institute  
$358,750

Morris, Mariana  
Gulf War Illness Research Development Consortium (GWIC) DoD, Army Medical R&D Command  
$251,475

Morris, Mariana  
*Gulf War Illness Research Development Consortium (GWIC)*  
DoD, Army Medical R&D Command  
$251,475

Morris, Mariana  
*Gulf War Illness Research Development Consortium (GWIC)*  
DoD, Army Medical R&D Command  
$251,475
Rich, Mark M.  
*Muscle and Neuromuscular Junctions in Spinal Muscular Atrophy*  
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  
$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

**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
Angstron 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 Electroencephalographic 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.
Future Jobs Internship: Matt Alexander
Clark State Community College
$485

Mukhopadhyay, Sharmila M.
Barney, Ian Timothy
Thermally Responsive Encapsulated Phase Change Materials
Dayton Area Graduate Studies Institute
$66,571

Narayanan, Sundaram
Hangartner, Thomas N.
Gallimore, Jennie J.
Miller, Aaron N.
Gebhart, Mark E.
Human Performance Center of Excellence
Ohio Department of Development
$959,570

Narayanan, Sundaram
Fendley, Mary E.
Rigling, Brian D.
Revolutionary Intelligence and Influence Technologies (RIIT) DoD, Air Force, Air Force Research Laboratory
$100,000

Narayanan, Sundaram
Operations Support Center (OSC) of Tec^Edge Wright Brothers Institute, Inc. (The)
$7,116

Parikh, Pratik
Hamister, James
Pricing Optimization at Local Win Wholesale Companies Win Wholesale Inc.
$32,200

Penmetsa, Ravi C.
Guo, Jia
Forecasting Aircraft Usage for Prognostics University of Illinois
$23,020

Penmetsa, Ravi C.
Risk-Informed Variable Fidelity Damage Modeling for Efficient Structural Forecasting Universal Technology Corporation
$15,688

Rattan, Kuldip S.
Baine, Nicholas A.
Integrated GPS/IMU Optical Navigation Systems with System Fault Detection Dayton Area Graduate Studies Institute
$66,571

Rigling, Brian D.
Garber, Fred D.
Center for Automatic Target Recognition: Research Infrastructure DoD, Air Force, Air Force Research Laboratory
$348,095

Roberts, Rory A.
Develop a Heat Changer Model with 2nd Low Analysis Doty Consulting Services
$10,000

Sheth, Amit
Semantics and Services Enabled Problem Solving Environment for Trypanosoma cruzi DHHS, National Heart, Lung, and Blood Institute
$373,638

Sheth, Amit
Hitzler, Pascal
EAGER: Expressive Scalable Querying over Linked Open Data NSF, Miscellaneous
$125,828

Sheth, Amit
Cardiology Semantic Analysis System: Phase I ezdataintelligence LLC
$25,000

Shingledecker, Clark
Vernooy, Jeffrey A.
Continuing Support for an Interactive Webcast Program to Prepare Students with Disabilities and Parents for Transition to Postsecondary Education and Careers in STEMM Ohio Rehabilitation Services Commission
$50,000

Slater, Joseph C.
Cooley, Phillip E.
Application of the Campbell Design Concept to Identification of Fatigue Cracks in Bladed Disk Assemblies Dayton Area Graduate Studies Institute
$15,541

Srinivasan, Raghavan
Feasibility Study of a New Concept for Severe Plastic Deformation Forging Industry Educational and Research Foundation
$24,799
Srinivasan, Raghavan  
Compression Testing  
ATI Allvac  
$17,500

Srinivasan, Raghavan  
Compression Testing  
ATI Allvac  
$2,100

Taylor, Ronald F.  
Integrated Mesh and Geometry Modeling with Sensitivities for Multidisciplinary Design  
Universal Technology Corporation  
$49,713

Thomas, Scott Keith  
Determination of the Thermal Conductivity of Two Metallic Rods  
Development Projects, Inc.  
$9,965

Zhuang, Yan  
Strope, Casey J.  
Fundamentals of Low Dimensional Carbon Films Grown by Sublimation of SiC  
Dayton Area Graduate Studies Institute  
$60,422

College of Liberal Arts

Cortes, Tess  
General Operating Support: Art Galleries  
Ohio Arts Council  
$4,385

Dockery, Jane L.  
Aerospace: Statewide Strategic Plan for Industry  
Ohio Board of Regents  
$236,500

Dockery, Jane L.  
Ohio Board of Regents Workforce Development Data Analysis - Supplement  
Ohio Board of Regents  
$60,000

Dockery, Jane L.  
Aerospace: Statewide Strategic Plan for Industry  
Ohio Board of Regents  
$40,000

Dockery, Jane L.  
Ohio Volunteer Accreditation Team (OVAT)  
Association of Ohio Health Commissioners  
$35,000

Dockery, Jane L.  
RIG Asset Mapping  
Montgomery County Department of Job and Family Services  
$7,500

Dockery, Jane L.  
Sinclair Community College Dislocated and Incumbent Worker Training Program  
Sinclair Community College  
$2,000

Dustin, Jack L.  
Public Engagement: Yellow Springs Schools  
Yellow Springs Exempted Village Schools  
$17,181

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

Hooker, Carol M.  
Updating the Continuity of Operations Plan  
Greene County Combined Health District  
$14,996

Hooker, Carol M.  
Think TV Asthma Evaluation  
Think TV Network (Greater Dayton Public Television)  
$5,000

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

Jones, Thomas Davidson  
Preble County General Health District Community Health Assessment: 2011  
Preble County Mental Health and Recovery Board  
$23,035

Jones, Thomas Davidson  
City of Miamisburg Survey of Sensing Regarding Health, Wellness, Recreation, and Social Services  
Kettering Medical Center Foundation  
$11,075

Jones, Thomas Davidson  
Delaware County Health Assessment  
The Strategy Team, Ltd.  
$7,677

Jones, Thomas Davidson  
RTA Market Expansion Survey  
RLS Associates  
$6,156
Jones, Thomas Davidson  
Organizational Self-Assessment  
Columbus Public Health  
$3,335

Jones, Thomas Davidson  
Yellow Springs Schools Parent Survey  
Yellow Springs Exempted Village Schools  
$927

Kennedy, Sandra D.  
Greater Springfield Community Project  
Greater Springfield Chamber of Commerce  
$15,000

Kennedy, Sandra D.  
Efficiently Managing Your OLOI Project, Project Assessment, and Strategic Planning  
Veterans Affairs Medical Center  
$8,600

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

Subban, Jennifer  
Dockery, Jane L.  
Comprehensive Neighborhood Initiative (CNI)  
Montgomery County Family and Children First Council  
$23,225

College of Nursing and Health

Bharwani, Govind  
Reducing Agitation Through Non-Pharmacological Therapies  
AMDA Foundation  
$15,000

Bharwani, Govind  
Parikh, Pratik  
Effect of Individualized Non-Pharmacological Therapies on Cognitive Decline  
St. Leonard  
$15,000

Curry, Donna M.  
Nurse Faculty Loan Program (NFLP) 2011/2012  
DHHS, Health Resources and Services Administration  
$68,540

Curry, Donna M.  
Professional Nurse Traineeship: FY2012  
DHHS, Health Resources and Services Administration  
$46,557

Martin, Patricia A.  
Miami Valley Hospital Operating Agreement  
Miami Valley Hospital  
$90,000

College of Science and Mathematics

Brown, Elliott  
III-N Devices and Architectures for THz Electronics  
University of Notre Dame  
$52,317

Brown, Elliott  
Non-Contact, THz Sensing of Corneal Hydration  
University of California, Los Angeles  
$28,181

Deibel, Jason A.  
Petkie, Douglas T.  
Electromagnetic NDE Techniques for the Detection and Characterization of Damage and Degradation in Thermal Protein Systems (TPS)  
Universal Technology Corporation  
$37,600

Deibel, Jason A.  
Petkie, Douglas T.  
Medvedev, Ivan  
Advanced Instrumentation and Non-Destructive Evaluation for Composite Structures  
Princeton Nanotechnology Systems  
$24,994

Deibel, Jason A.  
THz Imaging Characterization Work  
MEMC Electronic Materials, Inc.  
$9,125

Excoffon, Katherine  
Wooley, Dawn P.  
Molecular Evolution of AAV Vectors for Anti-HIV Gene Therapy  
DHHS, National Institute of Allergy and Infectious Diseases  
$193,346

Flach, John M.  
Tsang, Pamela S.  
16th International Symposium on Aviation Psychology  
DoD, Air Force Office of Scientific Research  
$18,900
Flach, John M.
*FAA Nextgen Research Support*
Ball Aerospace
$10,705

Fox, Jane Lee
National Aeronautics and Space Administration
$98,086

Gershenzon, Naum
Bambakidis, Gust
*Macro-Scale Friction in the Framework of the Frenkel-Kontorova Model: Application to Dynamics of Crustal Faults*
NSF, Grants for Scientific Research
$129,138

Green, Randall F.
Colle, Herbert A.
*Software Support for Teen Driver Training Research*
Virtual Simulation and Training Inc.
$8,384

Hammerschmidt, Chad R.
Collaborative Research: *GEOTRACES: Atlantic Section: Mercury Speciation Along a Zonal Section in the North Atlantic*
NSF, Miscellaneous
$48,631

Hammerschmidt, Chad R.
Burgin, Amy J.
Nogaro, Geraldine
*Effects of Alum Addition on Benthic Communities and Metal and Nutrient Cycles in Grand Lake St. Mary's Ohio*
Ohio State University
$14,252

Hammerschmidt, Chad R.
*Mercury Analysis of Environmental Samples*
More Than One Source of Support
$1,746

Hauser, Ernest C.
*City of Salem*
Parsons Commercial Technology Group Inc.
$3,982

Higgins, Steven R.
*Design of a Hydrothermal Atomic Force Microscope and Investigations of Mineral Growth and Dissolution*
Oak Ridge National Laboratory
$15,000

Hunt, Allen Gerhard
*Critical Path Analysis and Cluster Statistics of Percolation Theory Calculation of Effective Reaction Rates of Solutes in the Hanford Subsurface*
Pacific Northwest National Laboratory
$64,682

Imber, Ann N.
Putnam, Robert W.
*The Role of Calcium in Central Cardiorespiratory Control Neurons*
American Heart Association - Great Rivers Affiliate
$23,000

Kleven, Gale A.
*Pathways of Bio-Behavioral Development in the Fetal Basis of Adult Disease*
DHHS, National Institute of Nursing Research (NINR)
$238,992

Kozlowski, Gregory
Sheets, Alexander O.
*Development of Magnetic Nanomaterials for Power Applications*
Dayton Area Graduate Studies Institute
$7,695

Li, Qun
*Fully Nonlinear Equations in Complex Geometry*
NSF, Grants for Scientific Research
$105,680

Look, David C.
*Electrical Activity of the ZnO Surface - Supplement*
Ohio State University
$116,000

Look, David C.
*Hall Effect Measurements*
More Than One Source of Support
$1,400

Nagy, Allen L.
*Enabling Representation of Meta-Information in Net-Centric Environments*
Charles River Analytics Inc.
$47,669

Reed, Michelle K.
*Project KNOTtT: Strengthening Systems Capacity Collaboratively with Kansas, Nevada, Ohio, and Texas Foundation Project #667074*
Ohio State University
$58,808
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<td>Establishing a Scientific Basis for Garlic Mustard</td>
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**Lake Campus**

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**Library**

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<td>Winfrey, LaPearl L.</td>
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<td><strong>Nursing Student Loans 2011/2012</strong></td>
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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 System 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 Digital Textbooks and Other Learning Materials*  
Ohio Board of Regents  
$7,200

Miller, Aaron N.  
Gebhart, Mark E.  
*Modular Emergency Medical System (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
The Celebration of Research, Scholarship, and Creative Activities is a salute to the scholarly explorations of an incredible variety of Wright State’s undergraduate and graduate students.

Open to all disciplines, this daylong event showcases lectures, posters, videos, slideshows, and other presentations of research, scholarship, and creative activities produced during the past year. Presentations are 20 minutes in length, which includes a brief question-and-answer segment with the presenter.

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

April 13, 2012

Wright State University Student Union Apollo Room

2011 Book of Abstracts (PDF)
2010 Book of Abstracts (PDF)