

RESEARCH NEWS

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

Summer 2015 Vol. 46 No. 3

Winners Announced for the 2015 Annual Research Initiation and Professional Development Grants

The Wright State University Research Council recently convened to review submissions to its 2015 competition for the Research Initiation and Professional Development Grant programs. The Council received 27 quality



proposals for funds to support new lines of research, as well as diverse scholarly activities and professional renewal. The Research Council would like to extend its congratulations to the awardees of the six selected projects:

Professional Development

Deborah Crusan	COLA	<i>Travel to Australia to Visit World-Renowned Specialists to Gather Data for Professional Development Leave Book Project: Keys to Teaching Pronunciation to English Language Learners: A Practical Handbook</i>	\$2,000
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Research Initiation

Daniel Asamoah Derek Doran	RSCOB	<i>Assessing the Reliability of Medical Information on Online Social Media</i>	\$14,425
Lynn Hartzler	COSM	<i>Temperature Effects on Chemosensitivity Depend on Acid-Base Regulatory Strategy</i>	\$20,000
Nasser Kashou	CECS	<i>Imaging of Convergence Insufficiency Treatment Effects</i>	\$20,000
Crystal Lake	COLA	<i>The Everyday Practices of Reading in England, 1700 - 1850</i>	\$7,000
Noah Schroeder	CEHS	<i>Development of a SIMPLE Solution for Introductory Computer Science: A Student-Centered Interactive Modular Performance-based Learning Environment</i>	\$12,600

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NOTES from the AVP

Web redesign debuts



Thanks to the hard work of the staff members of the Office of the Vice President for Research and the Office of Marketing, we are happy to showcase our new website at <http://www.wright.edu/research>. The revamped site is easily accessible through the Wright State homepage and a click on the tab entitled, "Research." Under "Related Offices and Resources," you will find the landing spot for the Office of the Vice President for Research. From there, everything you ever wanted to know about Wright State research is at your fingertips.

Learn more about Pre Award and Post Award processes at the "Research and Sponsored Programs" site. A click on "Compliance" provides an overview of the numerous regulatory areas of the office and links to policies, forms, and train-

ing information. The "Technology Transfer" site is conveniently laid out so that you may choose either "Wright State Communities" or "Industry," depending on your specific needs. The "RSP Gateway Login" link can be found on each of the major landing sites.

We started this project (longer ago than we would like to admit) by mapping our processes using color-coded post-its affixed to the walls of a conference room. Many many iterations later, we are pleased to join the ranks of academic units at Wright State that can boast a sleek and consistent web design. We hope you find it easy to use, and we seek your comments and suggestions for additions and improvements.

Ellen

Save the Date!!

RSP Orientation Seminar

Selected topics to be covered:

- ★ *guidance on locating funding for research,*
- ★ *information regarding internal funding programs,*
- ★ *instructions on Wright State's proposal submission and post award processes,*
- ★ *advice on compliance issues,*
- ★ *an overview of the services of the Office of Technology Transfer.*

*Friday, October 2, 2015
E156A/B Student Union
9:00A.M.-11:30A.M.*



Proposal Help for Grant Writers

*Found a really promising RFP?
Need that extra bit of help to develop your proposal?*

Contact RSP to learn how to request assistance from Hanover Grants, a global information services group that provides comprehensive, customized services to Wright State University faculty and staff.

[Call ext. 2709 or email ellen.friese@wright.edu]

Fun Facts About Uniform Guidance!

Electronic Code of Federal Regulations

e-CFRTM

http://www.ecfr.gov/cgi-bin/text-idx?tpl=/ecfrbrowse/Title02/2cfr200_main_02.tpl

Okay, maybe not exactly fun, but implementation of Uniform Guidance (UG) has been interesting and challenging for the Office of Research and Sponsored Programs Office (RSP).

What is Uniform Guidance?

Uniform Guidance (formally 2 CFR 200 Uniform Administrative Requirements, Cost Principles, and Audit Requirements for Federal Awards) replaces the Office of Management and Budget (OMB) Circulars A-21, A-110, and A-133 and went into effect for federal awards issued December 26, 2014 and after. Uniform Guidance provides more streamlined guidance to non-federal recipients (Wright State falls into this category) regarding federally-funded projects.

Why is Uniform Guidance important?

The objective of Uniform Guidance is to reduce the administrative burden to non-federal recipients and to reduce the risk of waste, fraud, and abuse of federal funds.

Unlike the old OMB Circulars, more specific guidance has been

provided and conflicting guidance has been removed. This allows your Pre Award Administrator to provide improved guidance during the budgeting process, and your Post Award Administrator to provide improved guidance regarding the allowable costs charged to a grant or contract.

How does this affect the work on my project?

While much of Uniform Guidance (as with the OMB Circulars) will be transparent to the faculty and staff involved with sponsored programs (instructional, training, research, or service activities managed by the University and supported by external funding), Cost Principles (Subpart E of Uniform Guidance) is the area with the most visible changes outside of RSP.

- **Reporting and closeouts for federal grants:** All reports for federally-funded projects have a submission deadline of 90 calendar days after the end date of the project. Some agencies are officially using a different deadline, such as the 120-day deadline for the National Institutes of Health. Closing out the

federal grant in Wright State's books must follow the same deadlines; this includes finalizing all expenditures and receiving all funds.

- **Subrecipient monitoring:** If subcontracts have been issued on your project, you may have seen a Subrecipient Monitoring Checklist attached to the subrecipient's invoice. This is part of the UG's tighter internal control requirements over subrecipients. These invoices must be paid by WSU within 30 days of receipt. If the subrecipient is required to provide technical reports, your Post Award Administrator may request proof of receipt. Post Award staff will be implementing an audit program with subrecipients, randomly requesting expense documentation to back up the subrecipient invoices, and will also be introducing a new subaward agreement format.
- **Computing devices:** This is the subject of so many discussions with Post Award staff! UG allows for the allocable portion of computing devices under \$5,000 to be budgeted and directly charged

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to your federal grant without the device being used solely on the grant. The computing device must also be essential to the performance of the project.

• **Clerical and administrative salaries:** UG removed the previous “major project” requirement for clerical and administrative salaries to be charged to federal grants. However, there are strict guidelines:

- ◆ Administrative and clerical services must be integral to the specific project.
- ◆ Individuals must be specifically identified in the budget.
- ◆ Costs are explicitly included in the proposed budget or have prior approval from the sponsor.

• **Publication costs:** Another subject of many discussions,

these are now allowable after the end date of the project.

• **Meeting costs:** These expenses were previously outlined in a separate section in the OMB Circulars; however, they are now included in the Uniform Guidance under “Meetings, Retreats, Seminars, Symposiums and Workshops.”

Meeting costs must involve the dissemination of technical information, and be necessary and reasonable for the performance of the award.

• **Procurement/Purchasing:** UG lists new requirements, but these requirements have been delayed until July 1, 2016. There have been ongoing discussions at a national level, since the UG requirements are actually more burdensome.

What if my project is not federally funded?

RSP follows federal guidelines for all grant projects, regardless of the source of funds, ensuring clarity for everyone involved with the project's administration. Consistent use of federal guidelines is also a safeguard in situations when the prime funding source was identified as "federal" long after the project was awarded, processed, and work started. Following the federal guidelines in all cases ensures minimal impact on managing the project.

For more information, please contact Glen Jones, Director of Post Award at ext. 4461, glen.jones@wright.edu or attend his Uniform Guidance session at Staff Development Day on August 17, 2015.

SPINPLUS FUNDING OPPORTUNITY DATABASE

GAINING ACCESS IN A FEW EASY STEPS....

Wright State University has access to SPINPlus, the world's largest funding opportunities database, to assist in the funding opportunity search process. Explore how you can use this tool for your research needs.

GAINING ACCESS

1. Visit <https://rspgateway.wright.edu>.
2. Select “Login” in left side menu.
3. Complete Wright State University authentication using University-issued “w” number and network password.
4. Click on "Find Funding" at top of resulting page.

NOTE: Remote users accessing SPINPlus from off site or from a non-Wright State University-registered IP address must complete the Virtual Private Network process:

<http://www.wright.edu/information-technology/security/virtual-private-networks-software-overview>

For assistance navigating SPINPlus, contact your SPIN administrator, Deborah Lundin, Ed.D., at deborah.lundin@wright.edu or call ext. 2423.

BASIC SEARCH

SPINPlus provides a modern full-text search of entire records. You may search for any component of an opportunity, for example:

Opportunity Title

Sponsor Name

SPINPlus Funding Opportunity Number

Field/Subject Matter

Eligible Applicant Types

Results are returned in relevancy ranked format, and can be further sorted, grouped, or filtered by the results grid column headers.

Reminder on New NIH Biosketch Policy

The National Institutes of Health (NIH) is now *requiring* use of the new biosketch format for applications submitted on or after May 25, 2015 (*NOT-OD-15-032*). This means...

All biosketches included in applications submitted for deadline dates on/after May 25, 2015 must be formatted per the instructions in the SF 424 Application Guide including:

- Completing each section:
 - A – Personal Statement;
 - B – Positions and Honors;
 - C – Contributions to Science;
 - D – Research Support or Scholastic Performance.
- Including no more than 5 contributions to science with no more than 4 citations per contribution.
- Ensuring, if you include the optional link to a full list of your published work on a site like “My Bibliography,” that the URL is publicly accessible *without* providing any login or personal information, and does not link to websites that may violate page limit rules.
- Refraining from including information, such as preliminary data, that belongs elsewhere in the application.
- Following NIH guidance on font type, font size, paper size, and margins.

- Using PDF format for your biosketch attachments.
- Limiting the length to 5 pages or less.

Failure to follow the policy means NIH has the authority to withdraw your application from consideration (*NOT-OD-15-095*).



The majority of the requirements listed (except the 5-page limit) would not be flagged until your application has already been submitted to NIH. If you do not follow the instructions and a biosketch in your application is found as non-compliant, you will not have the opportunity to correct it before the due date.

"Failure to follow the policy means NIH has the authority to withdraw your application from consideration."

"Ifyour application is found as non-compliant, you will not have the opportunity to correct it before the due date."



"All About Grants" Podcast

The “All About Grants Podcast” series is produced by the Office of Extramural Research (OER) and is designed for investigators, fellows, students, and research administrators to provide more information on the application and award process. These short episodes can be downloaded as an MP3 or a transcript at http://grants.nih.gov/podcasts/All_About_Grants/index.htm.

Podcasts regarding the NIH Biosketch and SciENCv are available at: <http://nexus.od.nih.gov/all/2015/03/31/new-podcasts-on-the-nih-biosketch-and-sciencv/>

- "Understanding NIH's Biosketch Requirements"
- "Using SciENCv to Create an NIH Biosketch"

Sponsor ALERTS

NSF/NIH Dear Colleague Letter Requesting Comments

Dear Colleagues:

A request for public comment was published in the *Federal Register* regarding a draft updated standardized format for use in submission of both interim and final Research Performance Progress Reports (RPPR). This updated format is an initiative of the Research Business Models, an Interagency Working Group of the Social, Behavioral & Economic Research Subcommittee of the Committee on Science (CoS), a committee of the National Science and Technology Council (NSTC).

The original version of the RPPR format was approved for implementation in the Federal Register (FR) [*Volume 75, pages 1816-1819, January 13, 2010*]. As part of this FR notice, it was stated that the development of a final RPPR format would take place upon completion of the interim RPPR exercise. A revised draft of the format has been developed to incorporate lessons learned by agencies during the initial implementation of the RPPR. The approach also has been changed from using the format for interim performance progress reports only to using the format for both interim and final performance progress reports.

A “For Comment” version of the draft format, along with a summary of significant changes, are posted on the NSF website at: <http://www.nsf.gov/bfa/dias/policy/rppr/index.jsp>.

*Comments must be received by COB
September 21, 2015 and should be addressed to:*

Suzanne H. Plimpton
Reports Clearance Officer
Office of the General Counsel
National Science Foundation
4201 Wilson Blvd.
Arlington, VA, 22230
email: splimpto@nsf.gov
telephone: (703) 292-7556
FAX (703) 292-9242

*For information on the RPPR
contact:*

Jean Feldman
Head, Policy Office
Division of Institution & Award
Support
National Science Foundation
201 Wilson Blvd.
Arlington, VA, 22230
email: jfeldman@nsf.gov
telephone (703) 292-8243

Best,

Jean Feldman, National Science Foundation
Michelle Bulls, National Institutes of Health
Co-Chairs, RPPR Working Group
Research Business Models Interagency Working Group

RSP Staff Additions, Promotions and Honors



Chris Spohn joined the Post Award staff in April 2015. He comes from Wright State University's Boonshoft School of Medicine where he was a staff accountant for the Office of Fiscal Affairs. He earned his Bachelor of Science degree in accounting from Wright State University. He will be the Post Award contact for Boonshoft School of Medicine (BSOM) and DHHS-LOC Grants, but excluding: House Bill funds and Clinical Trial Research Alliance grants.



Chris Spohn

Adam Moeller joined the Pre Award staff in May 2015 as Assistant Director. He comes to RSP from Riverside Research where he served as Business Manager of the Engineering and Support Solutions Directorate. He also previously worked as a Business Manager of the Division of Asthma Research at the Cincinnati Children's Hospital, and served as a Sponsored

Research Administrator at San Diego State University. He brings with him over six years of experience in grants management and pre award services. He earned a Bachelor of Science degree in psychology and a Master of Public Administration degree from Wright State University. He will be the Pre Award Administrator for all departments in the College of Science and Mathematics (except Chemistry), the College of Liberal Arts, and the Boonshoft School of Medicine's Department of Community Health (except Healthy Communities). Adam replaces *Marianne Shreck*, who left Wright State to join the University of Dayton as a Contracts and Grants Administrator.



Adam Moeller



Amanda (Mandy) Karper was promoted from Program Facilitator to Compliance Coordinator. Her new responsibilities include: directing the imple-

mentation and launch of the Institutional Animal Care and Use Committee (IACUC) modules in the RSP Gateway, serving as the point of contact for the annual Significant Financial Interests (SFI) disclosures, and coordinating the Outside Interest Committee (OIC). She is currently working towards a Master of Business Administration degree with dual concentrations in Finance and Health Care Management from Wright State University, and looks forward to graduating next year.

In April 2015, because of her outstanding achievement in the Raj Sooin College of Business, Mandy was nominated for membership and inducted into the Wright State University Chapter of Beta Gamma Sigma. The highly selective honor society was created to encourage and reward scholarship and accomplishments in the field of business studies, to promote advancement of education in the science of business, and to foster principles of honesty and integrity in business practice. Please join RSP in congratulating Mandy!



Mandy Karper

Emergency Power



Is your critical research equipment on emergency power? Do you know what happens to your critical research equipment if there is a power outage? How would your research be affected if a prolonged power outage were to occur? Could you recover from the loss of research samples currently stored in temperature-controlled units? Do you think your critical research equipment is powered by an emergency generator?

Wright State University, along with other state universities in Ohio, is part of the Inter-University Council Insurance Consortium (IUCIC). The program allows member institutions to

realize benefits from the group purchase of property and liability insurance. Since 2008 there have been five claims submitted as part of the IUCIC program, resulting in over \$1,000,000 worth of losses due to power or equipment failure to critical research equipment. Luckily, none of these losses occurred at Wright State University.

In an effort to better understand and address the risk of such a loss, the offices of Engineering and Construction, Physical Plant, Environmental Health and Safety, and Emergency Management are working together to develop testing procedures for the emergency Life Safety and Back-Up electrical power systems in each building. The first

step is to identify the critical equipment now powered by the back-up generators and to further define additional equipment that *should* be connected to the back-up system. A survey is now available online to collect this essential information. We invite you, as a researcher, to become part of the solution by completing the survey. Our goal is to provide better service to meet your research needs, and lessen the likelihood for research material losses due to prolonged power outages.

Your assistance with completing the survey is appreciated. [Click here to take the 5-question Emergency Power Survey.](#)

STAFF INFORMATION

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Undergraduate Assistant

Delayne Humphrey

AWARDS

*The grants and contracts on these pages were awarded from
January 2015 through May 2015*

Boonshoft School of Medicine

Boivin, Gregory
*Nanofiber Solutions Porcine
Wound Study*
Nanofiber Solutions, Inc.
\$28,879

Brown, Thomas L.
*HIF-1 Alpha Regulation of
Trophoblast Differentiation in vivo*
DHHS, National Institute of Child
Health and Human Development
\$297,096

Brown, Thomas L.
*Genotypic Analysis of Preclampsia
Biomarkers*
Premier Health Partners
\$30,000

Carlson, Robert G.
Daniulaityte, Raminta
*Montgomery County Poisoning
Death Review, 2015*
Public Health Dayton and
Montgomery County
\$21,730

Cope, Timothy C.
Rich, Mark M.
Fyffe, Robert E.W.
*Synaptic Function: Effects of the
Nerve Injury and Altered Activity*
DHHS, National Institute of
Neurological Disorders and Stroke
\$919,884

Czerwinski, Stefan Aleksander
*Short-Term Health Research
Training to Increase Diversity*
DHHS, National Heart, Lung, and
Blood Institute
\$138,888

Duren, Dana L.
*Versartis Skeletal Maturity
Contract (14VR4)*
Versartis, Inc.
\$27,700

Elbasiouny, Sherif M.
Fyffe, Robert E.W.
*Mechanisms Underlying
Excitability Regulation of
Motoneuron Types in ALS*
DHHS, National Institute of
Neurological Disorders and Stroke
\$323,750

Ford, JoAnn
Dunn, Kristen K.
*Outpatient Substance Abuse/
Mental Health Treatment in
Montgomery County*
U.S. Probation Office for the
Southern District of Ohio
\$5,211

Gentile, Julie P.
*Ohio's Coordinating Center of
Excellence in Mental Illness/
Developmental Disability*
Ohio Developmental Disabilities
Council
\$75,000

Gentile, Julie P.
*Residency Traineeship Program
for Psychiatric Residents in Dual
Diagnosis - MI/DD*
Ohio Department of
Developmental Disabilities
\$30,000

Gomez-Cambronero, Julian
*PLD2, as a GEF or as a Lipase, is
Central to Leukocyte Chemotaxis*
DHHS, National Heart, Lung, and
Blood Institute
\$357,617

Jacobs, Bradley S.
Wysong, Mark
*Platelet-Oriented Inhibition in
New TIA*
EMMES Corporation
\$57,050

Kadokia, Madhavi P.
*Role of DeltaNp63alpha in
Vitamin D Mediated Cell Survival
in Skin Cancer*
DHHS, National Cancer Institute
\$272,655

Leffak, I. Michael
*Second-Site Genetic Modifiers of
CTG/CAG Microsatellite Stability*
DHHS, National Institute of
General Medical Sciences
\$277,400

Lehrer, Douglas S.
*The Genomic Psychiatry Cohort
(GPC)*
University of Southern California
\$50,000

<p>Lindheim, Steven R. Wysong, Mark <i>A Study to Evaluate the Effectiveness of Essure Post-Nova Sure Radiofrequency Endometrial Ablation Procedure Following a Successful Essure Confirmation Test</i> Bayer Corporation \$9,842</p>	<p>McCarthy, Mary C. Bini, John K. Ekeh, Akpofure P. Walusimbi, Mbagu Woods, Randy J. Whitmill, Melissa Lynn <i>A Randomized, Double-Blind, Placebo-Controlled, Dose-Escalation Study of NNZ-2566 in Patients with Traumatic Brain Injury (TBI): Investigating Treatments for the Prevention of Secondary Injury and Disability Following Traumatic Brain Injury (INTREPID)</i> Neuren Pharmaceuticals Limited \$93,000</p>	<p>Peirson, Ryan P. <i>Adult Professorship of Community Psychiatry: Ohio Department of Mental Health and Addiction Services</i> Ohio Department of Mental Health and Addiction Services \$15,000</p>
<p>Matsuura, John H. Wysong, Mark <i>A Prospective, Single-Blind, Randomized, Phase III Study to Evaluate the Safety and Efficacy of Fibrin Sealant Grifols (FS Grifols) as an Adjunct to Hemostasis During Peripheral Vascular Surgery</i> Grifols Inc. \$98,351</p>	<p>Nahhas, Ramzi Sherwood, Richard J. <i>Craniofacial Growth Prediction in Different Facial Types</i> DHHS, National Institute of Dental and Craniofacial Research \$679,898</p>	<p>Pickoff, Arthur S. Wysong, Mark <i>Efficacy, Immunogenicity, and Safety Study of Clostridium difficile Toxoid Vaccine in Subjects at Risk for C. difficile Infection</i> Sanofi Pasteur, Inc. \$100,625</p>
<p>Matsuura, John H. Wysong, Mark <i>A Prospective, Single-Blind, Randomized, Phase III Study to Evaluate the Safety and Efficacy of Fibrin Sealant Grifols (FS Grifols) as an Adjunct to Hemostasis During Parenchymous Tissue Open Surgeries</i> Grifols Inc. \$98,351</p>	<p>Paliy, Oleg Agans, Richard T. <i>Biomolecular Interactions of Nanoparticles and Other Aerospace Chemicals with Gut Microbial and Metabolite Profiles</i> Dayton Area Graduate Studies Institute \$51,000</p>	<p>Pickoff, Arthur S. Wysong, Mark <i>A Phase III Clinical Trial Evaluating the Efficacy and Safety of TheraSphere in Patients with Metastatic Colorectal Carcinoma to the Liver Who Have Failed First Line Chemotherapy</i> Biocompatibles UK Ltd. \$25,650</p>
<p>Matsuura, John H. Wysong, Mark <i>The RObotic Vascular and Endovascular Registry (ROVER)</i> Hansen Medical Inc. \$14,675</p>	<p>Paul, Kimberly A. <i>Miscellaneous Awards Under DCOP Fiscal Agency Agreement</i> Dayton Clinical Oncology Program \$44,640</p>	<p>Pickoff, Arthur S. Wysong, Mark <i>A Phase III Clinical Trial of Intra-Arterial TheraSphere in the Treatment of Patients with Unresectable Hepatocellular Carcinoma</i> Biocompatibles UK Ltd. \$13,195</p>
	<p>Paul, Kimberly A. <i>Miscellaneous Awards Under DCOP Fiscal Agency Agreement</i> Dayton Clinical Oncology Program \$4,184</p>	<p>Reo, Nicholas V. <i>NMR-Based Urinary Metabolomics for Detection and Assessment of Jet Fuel Exposure in a Rat Model</i> Henry M. Jackson Foundation \$45,458</p>

Reo, Nicholas V.
*NMR-Based Metabolomics
in Aerospace Physiology and
Toxicology Research*
Henry M. Jackson Foundation
\$19,639

Terry, John B.
*A Multicenter, Double-Blind,
Placebo-Controlled, Randomized,
Parallel-Group Study to Evaluate
the Safety and Efficacy of
Intravenous Natalizumab (BG
00002) on Reducing Infrared
Volume in Acute Ischemic Stroke*
Biogen Idec MA Inc.
\$115,120

Terry, John B.
Wysong, Mark
*MISTIE III: A Phase III,
Randomized, Open Label,
500-Subject Clinical Trial of
Minimally Invasive Surgery
Plus rt-PA in the Treatment of
Intracerebral Hemorrhage*
Johns Hopkins University
\$49,568

Travers, Jeffrey B.
*Wounding Therapy and
Photocarcinogenesis*
Indiana University
\$39,427

Travers, Jeffrey B.
*Mechanisms of
Photocarcinogenesis in Geriatric
Skin*
Indiana University
\$28,711

Welton, Randon S.
*Community Psychiatry Training
Program*
Ohio Department of Mental
Health and Addiction Services
\$15,000

Wilson, Josephine F.
Second Chance Initiative
Montgomery County ADAMH
Services Board
\$106,827

Wilson, Josephine F.
*Evaluation Planning for Problem
Gambling EBP*
Ohio Department of Mental Health
and Addiction Services
\$15,000

Wyatt, Christopher N.
*An Investigation of the Effects of
Putative Respiratory Stimulant
Compounds on Isolated Rat
Carotid Body Type I Cells*
Galleon Pharmaceuticals
\$37,074

Yaklic, Jerome Lumetta
Wysong, Mark
*Extension Study to Evaluate the
Long-Term Safety and Efficacy of
Elagolix in Subjects with Moderate
to Severe Endometriosis-
Associated Pain*
Theorem Clinical Research Inc.
\$119,340

Zoz, III, Donald F.
Wysong, Mark
*A Phase IIb, Randomized, Double-
Blind, Placebo-Controlled Multi-
Center Study Evaluating Antiviral
Effect, Pharmacokinetics, Safety
and Tolerability of GS-5806
in Hospitalized Adults with
Respirator Syncytial Virus (RSV)
Infection*
Gilead Sciences, Inc.
\$39,722

College of Education and Human Services

Fruth, Jason D.
*Increasing PAX in Montgomery
County*
Ohio Department of Mental
Health and Addiction Services
\$117,014

Fruth, Jason D.
*Increasing PAX in Madison
County and Springfield*
Ohio Department of Mental
Health and Addiction Services
\$90,986

Lindsey, Jill L.
*Evaluation of Beginning Principal
Mentoring Program Local Models*
Ohio Department of Education
\$30,000

Lindsey, Jill L.
*Internship in Sinclair Community
College's Student Leadership
Development Office, 2014-2016*
Sinclair Community College
\$29,737

College of Engineering and Computer Science

Bourbakis, Nikolaos G.
*A Methodology to Protect
Classified Technical Documents:
The Diagram Modification
Approach*
DoD, Office of Naval Research
\$122,551

Chen, Chien-In Henry
Lin, Ethan Chun
*Compressive Sensing Technique
Development for EW Receiver
Application*
Dayton Area Graduate Studies
Institute
\$51,000

Chung, Soon M.
Abel, Marc Wesley
Visualization and Fusion of Big Data
Dayton Area Graduate Studies
Institute
\$51,000

Cox, Michael T.
Goal-Driven Autonomy and Robust Architectures for Long-Duration Missions
DoD, Office of Naval Research
\$254,797

Cox, Michael T.
MIDCA: A Metacognitive, Integrated Dual-Cycle Architecture for Self-Regulated Autonomy
University of Maryland
\$160,000

Cox, Michael T.
Enhanced Platform for Metacognitive Robots
University of Maryland
\$37,100

Doom, Travis E.
Gallagher, John C.
Raymer, Michael L.
Research and Development of Educational Methods for Use in Inverted-Lecture Computer Science Classrooms Based on a Model of the Barriers to Student Success in STEM
Association of American Colleges and Universities
\$125,000

Doran, Derek Edmund
CRII: Discovering the Effects of Web Robot Traffic Web Servers and Clusters
National Science Foundation
\$150,294

Fendley, Mary E.
Piasecki, Alyssa M.
Reduction in Anomaly Detection Failure Through Identification of Physiological Measures of Cognitive Bias
Dayton Area Graduate Studies
Institute
\$43,500

Ganapathy, Subhashini
Hatcher, Kevin M.
Understanding Human Performance Based on Biometrics for Improving Training
Dayton Area Graduate Studies
Institute
\$43,500

Ganapathy, Subhashini
Advancing Student Success in STEM
Centum Business Labs Ltd.
\$17,010

Ganapathy, Subhashini
Improving Human Performance and Training Using Mobile Technology for Personnel Recovery and Disaster Response
Wright State Applied Research
Corporation
\$7,937

Ganapathy, Subhashini
Consumer Media Data Visualization and Analysis
Centum Business Labs Ltd.
\$5,463

Grandhi, Ramana V.
Fischer, Christopher C.
Multi-Fidelity Analysis for Aerospace Vehicle Design
Dayton Area Graduate Studies
Institute
\$51,000

Grandhi, Ramana V.
Collaborative Center in Multidisciplinary Sciences (CCMS)
Virginia Polytechnic Institute and
State University
\$22,140

Huang, Hong
R/F Microwave Graphene-Based Impedance Chemical Gas Sensor
Advratech, LLC
\$15,688

Huang, Hong
R/F Microwave Graphene-Based Impedance Chemical Gas Sensor
Advratech, LLC
\$11,865

Li, Sheng
Refinement of OSU's Scuffing Models for Lubricated Rough Surface Contacts of Rollers and Gears
Ohio State University
\$50,000

Mukhopadhyay, Sharmila M.
REU Supplement: EAGER: Novel Catalyst Design Using Hierarchical Hybrid Materials
National Science Foundation
\$12,000

Ren, Saiyu
Low Power Anti-Jam GPS Integrated Circuit Development
RBS Technologies, LLC
\$80,721

Rigling, Brian D.
Garber, Fred D.
Saville, Michael
Shaw, Arnab K.
Wischgoll, Thomas
Rizki, Mateen M.
*Sensor and Information Research
Center for Understanding Systems
(SIRCUS)*
DoD, Air Force, Air Force
Research Laboratory
\$2,213,000

Rigling, Brian D.
*Support for ATRC Summer
Interns - 2014*
Ohio State University
\$11,651

Roberts, Rory A.
Wolff, J. Mitch
Nuzum, Sean R.
*Revolutionary Integrated
Aerospace System for a Directed
Energy Weapon*
Dayton Area Graduate Studies
Institute
\$43,500

Roberts, Rory A.
Wolff, J. Mitch
*Center for Integrated Thermal
Management of Aerospace
Vehicles*
Purdue University
\$35,781

Roberts, Rory A.
*Advanced Research and
Development of Airbreathing
Propulsion Systems*
Universal Technology Corporation
\$5,347

Srinivasan, Raghavan
*Assessing the Impact of Dwell
and Multi-Axial Fatigue on
Performance of Titanium Alloys*
University of Dayton
\$75,000

Srinivasan, Raghavan
*Investigation of Elevated
Temperature Deformation
Behavior of Titanium Alloys*
RTI International Metals, Inc.
\$33,000

Watkins, Kera Z.
*Minority Engineering Mentorship
Program*
Ohio Space Grant Consortium
\$10,000

Wischgoll, Thomas
*Visualizing Parameter Space for
Network Modeling and Simulation*
High Performance Technologies,
Inc.
\$32,346

Wolff, J. Mitch
High Impact Technologies
Dayton Area Graduate Studies
Institute
\$46,000

Wolff, J. Mitch
*Turbine Engine Inlet Distortion
Aeromechanical Investigation for
AFRL/RQTI*
Universal Technology Corporation
\$34,862

Wolff, J. Mitch
*Effects of Phase I Creep in
Hypersonic Flight Design*
Air Force Institute of Technology
\$20,000

Wolff, J. Mitch
*Experiment Thermal/Fluids
Instrumentation*
Innovative Scientific Solutions,
Inc.
\$9,275

Xue, Kefu
GRILL Team Funding
Wright State Applied Research
Corporation
\$95,343

Yang, Zifeng
Menart, James A.
*Design of Bi-Plane Wind Turbine
Blade with Houck's Concept*
Iron Hawk Enterprises
\$40,000

Zhang, Xiaodong
*Health and Usage Management
of the Main Hydraulic System of
Forklift Trucks*
Industry
\$49,900

College of Liberal Arts

Dockery, Jane L.
*Evaluation of Northwest State
Community College's Trade
Adjustment Assistance Community
College and Career Training
(TAACCCT) Grant*
Northwest State Community
College
\$203,095

Dockery, Jane L.
*Development of a Survey for the
Straight A Datastrong Grant*
Columbus State Community
College
\$49,969

Dockery, Jane L.
*Darke County Community Health
Needs Assessment 2015*
Wayne HealthCare
\$32,500

Dockery, Jane L. <i>Facilitation of Technology Transfer (T2) Optimization Workshop</i> Wright Brothers Institute, Inc. \$2,827	Wiehe, Michael R. <i>Development of an Economic Development Strategic Plan for Greene County, Ohio</i> Greene County Department of Development \$35,000	Deibel, Jason A. <i>Design/Development and Characterization of Microwave/Terahertz Frequency Superconducting Antennas</i> University of Dayton \$25,000
Murray, Carol S. <i>2015 Clark County Adult Community Health Assessment</i> Clark County Combined Health District \$29,251	College of Science and Mathematics	Excoffon, Katherine <i>Isoform-Specific Regulation of the Coxsackie and Adenovirus Receptor in Polarized Epithelia</i> DHHS, National Institute of Allergy and Infectious Diseases \$444,000
Murray, Carol S. <i>2015 West Carrollton Citizen Perception Survey</i> City of West Carrollton, Ohio \$10,651	Arlian, Larry G. Morgan, Marjorie S. <i>Scabies: Biology, Culture, Host Specificity, and Antigens</i> DHHS, National Institute of Allergy and Infectious Diseases \$365,000	Flach, John M. <i>Sirius Program</i> Applied Research Associates, Inc. \$3,004
Murray, Carol S. <i>2015 Dayton Foundation Online Survey of Non-Profits</i> Dayton Foundation \$2,602	Bowling, Nathan A. <i>Predictors of Trust/Suspicion in Automation</i> Systems Research and Applications International \$108,628	Hennessy, Michael B. <i>Rhesus Model for Proinflammatory Influences on Depression</i> DHHS, National Institute of Mental Health \$194,276
Murray, Carol S. <i>CAARE for Daycare Professionals</i> Think TV Network \$2,500	Brown, Elliott <i>III-N Devices and Architectures for THz Electronics</i> University of Notre Dame \$98,944	Higgins, Steven R. <i>Development and Application of a Hydrothermal Atomic Force Microscope</i> Oak Ridge National Laboratory \$35,843
Subban, Jennifer <i>Comprehensive Neighborhood Initiative (CNI)</i> Montgomery County Family and Children First Council \$1,700	Brown, Elliott <i>1550-nm Extrinsic-GaAs Photomixers, Arrays and Spectrometers</i> DoD, Army Research Office \$87,516	Kenyon, Lisa Orvik <i>Supporting Scientific Practices in Elementary and Middle School Classroom</i> Northwestern University \$17,530
Wenning, Mary V. <i>Greene ESC</i> Greene County Educational Service Center \$20,767	Deibel, Jason A. Petkie, Douglas T. <i>Terahertz Imaging – Developing Non-Invasive 3D Imaging of Paper Product Fit and Fluid Distribution on Consumers</i> Procter & Gamble Company \$29,884	Look, David C. <i>Hall Effect Measurements</i> More Than One Source of Support \$3,000

Lunsford, Suzanne K.
Slattery, William
*Partners in Integrated Earth
Systems Science (PIES)*
Ohio Board of Regents
\$76,924

McGowin, Audrey E.
*Storm Water Pollutant Inputs to
the Little Miami River via Yellow
Springs and Birch Creeks*
Clinton Streamkeepers
\$2,951

Medvedev, Ivan
*Affordable Breath Analyses for
Monitoring of Diabetes*
University of Texas at Dallas
\$92,852

Medvedev, Ivan
*Human Fatigue Assessment
Based on Breath Biomarkers with
Terahertz Chemical Sensors*
Advrtech, LLC
\$27,457

Qu, Long
*Distance-Based Variable Selection
for High-Dimensional Biological
Data*
Iowa State University
\$30,863

Readler, James M.
Excoffon, Katherine
*Elucidating the Mechanism of
Group B Coxsackievirus Infection*
American Medical Association
Foundation
\$2,500

Ritzi, Jr., Robert W.
*Ground Water Protection Program
2015*
Cemex
\$9,871

Romine, William L.
Mission HydroScience
University of Missouri
\$119,884

Rooney, Thomas
*Forest Inventory and Analysis
2015*
Dairymen's, Inc.
\$7,245

Slattery, William
Lunsford, Suzanne K.
*Science Teaching for Ohio's New
Economy (STONE)*
Ohio Board of Regents
\$60,332

Tarpey, Thaddeus
*Characterizing Placebo Response
to Active Treatment Using Very
High Dimensional Data*
New York University School of
Medicine
\$91,162

Raj Sooin College of Business

Gregorich, Earl
*Small Business Development
Center*
Ohio Development Services
Agency
\$356,875

Munch, James M.
*Speedway Emerging Leaders'
Executive Educational Program*
Speedway LLC
\$61,500

School of Professional Psychology

Warfield, Janeece
*Children Matter! Montgomery
County (CMMC) Project*
Montgomery County ADAMH
Services Board
\$98,255

Student Affairs

Wanderi, Joy W.
*Community Partnership Grant
FY2015*
Global Ties U.S.
\$4,596

Wanderi, Joy W.
*Diplomacy Begins Here Summit
Grant*
Global Ties U.S.
\$1,300

Universitywide

Barnhart, Amy
PELL Grant Program 2014/2015
U.S. Department of Education
\$8,928,670

Gordon, Seth E.
Veterans Voices Project
Ohio Humanities Council
\$20,000

Narayanan, Sundaram
*Neuroscience and Medical
Imaging*
DoD, Air Force, Air Force
Research Laboratory
\$120,000

**Vice President for Research
and Dean of the Graduate
School**

Barlow, Cassie B.
*Five Year Strategic Plan for
Ohio Federal and Military Jobs
Commission*
Ohio Board of Regents
\$700,000

Gross, David C.
Mobile EW Laboratory
MacAulay-Brown, Inc.
\$125,759

Gruenberg, James
*Provision of Emergency
Management Expertise - IPA*
Veterans Affairs Medical Center
\$15,000

Parker, Jason G.
*Wright Brothers Institute
Operations*
Wright Brothers Institute, Inc.
\$1,767,733

Parker, Jason G.
ShadowBox
Center for Operator Performance
\$152,250

*We congratulate
those receiving external
funds and encourage
those with
unfunded proposals to
consult with us
about resubmission.*

Parker, Jason G.
*Evidence-Based HMI Color
Design: Research and Process*
Center for Operator Performance
\$47,250

Pickoff, Arthur S.
Kauffman, Shannon L.
*Surefire Catheter versus Standard
End-Hole Microcatheter in yt-
trium-90 Distribution and Tissue
Penetration: A Pilot Study*
SureFire
\$83,025

Smith, Jack E.
*Provision of Emergency
Management Expertise - IPA*
Veterans Affairs Medical Center
\$15,000