Research Support on the Rise
Despite Overall Funding Decline

Wright State University recorded 481 awards for a total of $85,185,827 from all external sources in Fiscal Year 2014. Though this represents another dip in the University’s overall funding profile, external support of research efforts actually increased by 13.5% over the previous fiscal year. The University’s Colleges/Schools continue to explore and engage in strategies for increasing their competitiveness in the pursuit of external funding. One such effort includes an internal, pre-submission review of proposals for meaningful feedback and potential revision.

Other resources available to propositional applicants include the opportunity to seek support from Hanover Research, a global information services group. In addition to their staff of proposal writing and review professionals, experts from Hanover will provide an informative webinar to the University community in Spring 2015. Contact your Pre Award Administrator for more information regarding Hanover. Further, staff from Research and Sponsored Programs offer workshops focused on identifying external funding opportunities, as well as other workshops designed to train novice writers on proposal and budget development.

Finally, the Office of the Vice President for Research and RSP are excited to bring back to campus Dr. Peg AtKisson from Grant Writers Seminars and Workshops, LLC, to share effective proposal strategies aimed at submissions to the National Institutes of Health and the National Science Foundation. She is scheduled to speak to research faculty and staff in the daylong seminar on Tuesday, March 24.

As always, Research and Sponsored Programs is here to offer support and assistance to any Wright State 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.
NOTES from the AVP

A Look Back, and a Preview of Upcoming Events

The leaves have turned, and there is a chill in the air. Fall semester has gotten off to a great (and busy) start for the staff of Research and Sponsored Programs (RSP). First, I would like to provide a recap of some recent news and then share some information about upcoming opportunities so that you can clear your calendars in anticipation of those activities.

We were very pleased by the turnout at the RSP Faculty Orientation session held on October 17. Our lively group of nearly forty participants challenged our presenters with some great questions. New this year was a panel discussion where our group of experts highlighted resources available to support the efforts of our faculty researchers. Thanks to our presenters from the Boonshoft School of Medicine (Amber McCurdy), the Center for Urban and Public Affairs (Mike Wiehe), the Division of Advancement (Mary Jean Henry), Environmental Health and Safety (Steve Farrell), the Statistical Consulting Center (Bev Grunden), and the Wright State Research Institute (Jason Parker). Great job!

Wright State University is now a member of the Federal Demonstration Partnership (FDP), a program that brings together representatives from the federal granting agencies and research institutions to discuss and study issues and policies affecting federal grants. The FDP was convened in the 1980s, helping to improve and streamline administrative processes involved in the management of federal funds that support research activities at institutions of higher education. “Partnership” is the keyword, and Wright State is pleased to have been accepted as part of the Phase VI efforts of the FDP. In addition to involvement by RSP staff members, we are ably represented by two active faculty researchers, Dr. Josephine Wilson (primary) and Dr. Julian Cambronero (alternate).

The Office of the Vice President for Research will once again host a daylong seminar with Dr. Peg AtKisson of Grant Writers Seminars and Workshops, LLC. As you may know, Dr. AtKisson visited campus in April of this year and worked with an enthusiastic group of researchers on the proposal writing process, with an emphasis on applications to the National Institutes of Health. On Tuesday, March 24, 2015, Dr. AtKisson will return to Wright State University for a seminar focused on writing proposals to the National Institutes of Health and the National Science Foundation. Look for registration information in your e-mail boxes at the beginning of the New Year.

The sixth annual Celebration of Research, Scholarship, and Creative Activities (aka “Research Celebration”) will be held on Friday, April 10, 2015, in the Student Union. In our planning process, we continue to consider how we can more effectively shine the spotlight on our very talented undergraduates. The 2015 Celebration will look a little different as we revamp the schedule, but rest assured that there will be plenty of opportunities for oral presentations and poster sessions. We welcome participation from every area of the University!

If you keep tabs on training opportunities promoted on the listservs, you are aware that RSP staff members offer regular workshops to faculty and staff. As we continue to implement the InfoEd modules, we hope you take advantage of sessions to familiarize yourself with the new tools available for proposal development and electronic routing (with more to come as the compliance modules are readied for primetime). RSP staff members also offer workshops on grant development and writing and grant administration. We are open to suggestions for your ideas for workshops, too, so please feel free to contact our office if we can be of assistance in tailoring a session for your department or research group.

Ellen
RSP WORKSHOPS – FALL 2014-SPRING 2015

RSP GATEWAY: USING THE PROPOSAL DEVELOPMENT MODULE FOR SYSTEM-TO-SYSTEM SUBMISSION AND/OR INTERNAL ROUTING

**DESCRIPTION:** This workshop will familiarize attendees with the RSP Gateway module used for both proposal development/submission through the Gateway and electronic routing. Presentation topics include types of information required to complete the proposal package; what steps must be taken to access the package; how to enter/upload proposal materials into the package; and how to approve the proposal during the routing process.

**DATES & LOCATIONS:**
- Thursday, January 15, 2015; 1:30 – 3:00 p.m. in Student Union E156A
- Friday, February 13, 2015; 9:30 – 11:00 a.m. in Student Union E156A
- Friday, March 20, 2015; 9:30 – 11:00 a.m. in Student Union E156A
- Tuesday, April 14, 2015; 9:30 – 11:00 a.m. in Student Union E156A

FUNDING OPPORTUNITIES: HOW THE RSP GATEWAY’S SPIN MODULE CAN ENHANCE YOUR SEARCH

**DESCRIPTION:** In this hands-on workshop, attendees will learn to navigate the University’s subscription database, SPIN, and learn various techniques for performing funding searches.

**DATES & LOCATIONS:**
- Thursday, December 18, 2014; 2:30 – 3:30 p.m. in LX012
- Thursday, January 8, 2015; 2:30 – 3:30 p.m. in LX012
- Thursday, February 19, 2015; 2:30 – 3:30 p.m. in LX012
- Thursday, March 12, 2015; 2:30 – 3:30 p.m. in LX012
- Tuesday, April 21, 2015; 2:30 – 3:30 p.m. in LX012

BUDGET DEVELOPMENT/ BUDGET JUSTIFICATION

**DESCRIPTION:** This interactive/lecture-style workshop will provide more in-depth information regarding project budget and justification development, taking into account federal, state, and institutional policies. Bring your calculators!

**DATE & LOCATIONS:**
- Tuesday, February 3, 2015; 10:00 – 11:00 a.m. in Student Union E156A

Planning to attend a workshop? Please RSVP to Jan Power at rsp@wright.edu or call ext. 2425. When responding, indicate the workshop topic and date. If you are unable to attend any of the scheduled workshops, but would like to learn more about the topics, please contact Dr. Deborah Lundin at deborah.lundin@wright.edu or call ext. 2423.
Knowing When to Include a Biosketch on a NIH Proposal

When is a biosketch needed on a NIH application? The answer: when a person is defined as Senior/Key Personnel or an Other Significant Contributor (OSC). In order to determine if the person meets the definition of Senior/Key Personnel or OSC, a review of the NIH-defined roles is needed.

The definitions below are pulled from the NIH Senior/Key Personnel Frequently Asked Questions website: [http://grants.nih.gov/grants/policy/senior_key_personnel_faqs.htm#1658](http://grants.nih.gov/grants/policy/senior_key_personnel_faqs.htm#1658).

**Senior/Key Personnel:**
This category includes the PD/PI and other individuals who contribute to the scientific development or execution of a project in a substantive, measurable way, whether or not they receive salaries or compensation under the grant. Typically these individuals have doctoral or other professional degrees, although individuals at the masters or baccalaureate level may be considered Senior/Key Personnel if their involvement meets this definition. Consultants and those with a postdoctoral role also may be considered Senior/Key Personnel if they meet this definition.

**Other Significant Contributors (OSC):**
OSCs are individuals who commit to contribute to the scientific development or execution of the project, but do not commit any specified measurable effort (i.e., person months) to the project. These individuals are typically presented at effort of “zero person months” or “as needed.” Personnel with measurable effort may not be listed as OSCs. Consultants should be included if they meet this definition.

**Consultant:**
An individual who provides professional advice or services for a fee, but typically not as an employee of the engaging party. Consultants may also include firms that provide paid professional advice or services.

Conversely, non-key personnel do not contribute in a substantive, measurable way to the scientific development or execution of the project. Some examples are graduate research assistants and undergraduate assistants who are in training and conduct research under the guidance and mentorship of a PI/faculty mentor.

If you are unsure whether a biosketch is needed, contact your Pre Award Administrator for assistance.

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**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]
In the February 24, 2014 Proposal and Award Policies and Procedures Guide, NSF added a status to be completed on the cover page that requires the applicant to identify if the proposal being submitted is or is not a collaborative proposal. If it is a collaborative proposal, the applicant must identify the type of collaborative proposal. As there has been some confusion as to what qualifies as a collaborative proposal, we have noted the following guidelines:

All collaborative proposals must include participation from more than one institution. Collaboration simultaneously submitted from more than one institution are classified as a collaborative proposal from multiple organizations. When awarded, each institution receives its own funding directly from NSF.

If your proposal does not match either of the definitions above, the status should be marked as “not a collaborative proposal.” For any questions regarding this determination, please contact your Pre Award Administrator.

In the February 24, 2014 Proposal and Award Policies and Procedures Guide, NSF added a status to be completed on the cover page that requires the applicant to identify if the proposal being submitted is or is not a collaborative proposal. If it is a collaborative proposal, the applicant must identify the type of collaborative proposal. As there has been some confusion as to what qualifies as a collaborative proposal, we have noted the following guidelines:

All collaborative proposals must include participation from more than one institution. Collaboration simultaneously submitted from more than one institution are classified as a collaborative proposal from multiple organizations. When awarded, each institution receives its own funding directly from NSF.

If your proposal does not match either of the definitions above, the status should be marked as “not a collaborative proposal.” For any questions regarding this determination, please contact your Pre Award Administrator.

Write Winning Grant Proposals
Presented by Grant Writers Seminars and Workshops, LLC

The Office of the Vice President for Research and the Office of Research and Sponsored Programs are happy to announce the “Write Winning Grant Proposals” day-long seminar scheduled on Tuesday, March 24, 2015.

This year’s seminar will focus on principles and fundamentals that are applicable to writing a strong and competitive research grant proposal. The grant writing experts will discuss:

➢ Idea development
➢ Proposal writing with a linear progression of logic
➢ Writing methods for a diverse review audience
➢ Proven strategies for presenting a strong application to reviewers

The seminar is designed for experienced and novice applicants, including faculty, post-docs and research staff who are engaged in writing grant proposals. Presenters will emphasize applications to the National Institutes of Health (NIH) and National Science Foundation (NSF).

Although there is no cost to attend, registration is required. Only those who register by March 6, 2015, and can attend the entire seminar will receive copies of seminar materials and a copy of “The Grant Application Writer’s Workbook.”
**National Institutes of Health**

**10 Tips for Electronic Grant Submission Success**

*Ensure all registrations are in place and active.*
Please note that Wright State University is active and registered for many federal and non-federal sponsors (Grants.gov, NIH eRA Commons, SAM, NSF, Proposal Central, ACS, AHA, HRSA, eBRAP). Contact your Pre Award Administrator for verification before registering.

*Follow instructions!* Review the funding opportunity announcement (FOA). Pay special attention to Section IV, which includes any NIH FOA-specific submission instructions such as page limits. If the instructions in the FOA conflict with the application guide, the FOA instructions supersede and must be followed. You will also want to periodically check the related notices section of the FOA (page 1). This section includes any FOA-specific clarifications to instructions and policy guidance made after the FOA was initially posted.

*Submit Early!* NIH defines “early” as days, not minutes or hours, before a grant deadline.

*View your entire assembled application in eRA Commons.* Always review the assembled application thoroughly before the proposal deadline. “If you can’t view it, NIH can’t review it.”

*Notify NIH eRA Commons Help Desk if system issues threaten your on-time submission.* It’s always important to document if something goes wrong. Your RSP Pre Award Administrator is available to help with this process.

*Include all required attachments.* Do not include attachments for sections that are not applicable.

*Use .pdf format for all attachments to NIH.* Note: the RSP Gateway allows the applicant to upload Word formatted documents; the system will automatically convert the file to the required .pdf format.

*Watch out for NIH-required fields not marked "required" on the federal forms.* An example includes the credential field on the R&R Senior/Key Person form. The eRA Commons user name is required for PD/PI, PD/PIs on multi-PI submissions, the sponsor on a fellowship application, and component project leads on a multi-PI project application. If your application is being submitted through the RSP Gateway, the system has built-in verifications for missing information comparable to the checks at Grants.gov and eRA Commons.

*Use the correct DUNS number.* All fields requiring the DUNS number need to match. For applications being submitted through the RSP Gateway, this information is system-generated.

*Provide measurable effort for all Senior/Key Personnel in the R&R Budget form.* To get past NIH system validations you must provide effort in person months using either calendar months or a combination of academic or summer months. (Always use person months effort versus the old way of listing percent of effort).

For more information please watch the seven minute video from NIH at https://www.youtube.com/watch?v=p79xDP5zz10

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**Have you heard about Federal RePORTER?**

Federal RePORTER is an exciting, new web portal that allows you to search for federally funded science projects across various funding agencies. This includes: NIH, NSF, NASA, EPA, DoD, AHRQ, FDA, CDC, VA and many more.

- This federal-wide database allows the user to see the impact of funding and is a great collaborative tool to find investigators working in similar areas of research.
- You can do advanced text searches, search across all or only a few agencies of your choice, and choose fiscal years of interest.

Check it out! http://federalreporter.nih.gov/

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Newly updated (as of 11/25/14) application guides listed below have been posted and should be used for applications due on or after January 25, 2015:

- SF424 R&R - Forms Version C
- SBIR/STTR Application Guide
- Individuation Fellowship Application Guide
- Supplemental Grant Application Instructions for all Competing Applications and Progress Reports

The new guides can be found at the following link: http://grants.nih.gov/grants/funding/424/index.htm#inst

Notable changes to the guides can be found at: http://grants.nih.gov/grants/funding/424/index.htm#changes

The following are important highlights from the new guides:

**Annotated form sets.** Form sets have been created for SF424 R&R application packages that show field-by-field tips to avoid common errors and ensure successful submission of your application.

*NOTE: these documents are supplemental resources only. When preparing an application, applicants MUST follow the instructions in their Funding Opportunity Announcement (FOA) and Application Guide.*

The form sets can be found at: http://grants.nih.gov/grants/ElectronicReceipt/communication.htm#forms

**New biosketch format and samples.** The new biosketch format is required for submissions on or after January 25, 2015.

The easiest way to navigate the biosketch changes is to use the Science Experts Network Curriculum Vitae (SciENcv). SciENcv is a new electronic system that helps researchers assemble the professional information needed for participation in federally funded research.

The new biosketch tool:

- eliminates the need to enter biosketch information repeatedly;
- provides a data repository for easier management of information on expertise, employment, education, and professional accomplishments;
- allows researchers to describe their scientific contributions in their own language;
- supports multiple biosketches to allow for different grant sponsor formats; and
- citations housed in your "My Bibliography" account are available from a pick-list in SciENcv. SciENcv biosketch profiles can be set to public or private.


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**Save the Date!**

**The Celebration of Research, Scholarship, and Creative Activities**

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.

Students and their mentors are encouraged to participate on **April 10, 2015**. Details on registering to participate will be published in early 2015.
**Staff NEWS**

Happy Anniversary

The Office of the Vice President for Research, and Research and Sponsored Programs would like to offer special thanks to Jackie Frederick, Marianne Shreck, Kathleen Friedman, and Kim Owens as they each reach milestones in their years of dedicated service to Wright State University.

Jackie, Director of Pre Award Services, has been with the University for 25 years; Marianne, Assistant Director of Pre Award Services, will celebrate 20 years; Kathleen, Assistant to the Vice President for Research and Dean of the Graduate School, joined the University 15 years ago; and Kim, Grants Accountant, began her time at the University 10 years ago. Congratulations!

**Post Award NEWS**

Subrecipient Monitoring Changes

The new Uniform Guidance that goes into effect December 26, 2014 requires the University to have a plan to monitor subcontracts. As part of that plan, Post Award has developed a cover sheet to be completed for each subcontract invoice we send out for PI approval. We have started phasing in the use of this form so our monitoring plan can be in place by December 26, 2014. Please feel free to comment on this process so we can tweak it as necessary before the Uniform Guidance goes into effect. Send feedback to Glen Jones, Director of Post Award Services, glen.jones@wright.edu.

Going Paperless

RSP is working towards a goal of paperless processes wherever possible. In light of that, Post Award has been working on ways to email documents that need to be signed, so they can be either digitally signed, or signed, scanned, and emailed back. Hopefully this will help streamline some processes and save a few trees as well.

Glen

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**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](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](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.
AWARDS

The grants and contracts on these pages were awarded from
April 2014 through September 2014

Boonshoft School of Medicine

Bale, John
NCI Award Under DCOP Fiscal Agency Agreement
Dayton Clinical Oncology Program
$326,743

Bale, John
Miscellaneous Awards Under DCOP Fiscal Agency Agreement
Dayton Clinical Oncology Program
$212,290

Boivin, Gregory
CO2 Concentration
American Association for Laboratory Animal Science
$34,441

Boivin, Gregory
Biopsy Study
Devicor Medical Products, Inc.
$5,474

Boivin, Gregory
Sinclair Training
Sinclair Community College
$1,702

Brown, Thomas L.
HIF-1 Alpha Regulation of Trophoblast Differentiation in vivo
National Institute of Child Health and Human Development
$296,390

Carlson, Robert G.
Daniulaityte, Raminta
Sheth, Amit
NIDA National Early Warning System Network (iN3): An Innovative Approach
National Institute on Drug Abuse
$299,741

Chen, Yanfang
Effects of Oasis Matrix on Stage III and IV Trunk Pressure Wounds Treated with Negative Pressure Wound Treatment (NPWT)
Kettering Medical Center
$26,000

Cope, Timothy C.
Rich, Mark M.
Fyffe, Robert E.W.
Synaptic Function: Effects of the Nerve Injury, Repair, and Altered Activity
National Institute of Neurological Disorders and Stroke
$82,790

Czerwinski, Stefan Aleksander
Choh, Audrey
Chumlea, W. Cameron
Duren, Dana L.
Lee, Miryoung
Nahhas, Ramzi
Adiposity, Disease Risk Factors, and Lifetime Health
National Institute of Child Health and Human Development
$1,373,458

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

Daniulaityte, Raminta
Carlson, Robert G.
Nahhas, Ramzi
Sheth, Amit
Thirunarayanan, Krishnaprasad
Trending: Social Media Analysis to Monitor Cannabis and Synthetic Cannabinoid Use
National Institute on Drug Abuse
$506,725

Dunn, Kristen K.
Wilson, Josephine F.
Telemedicine Project
Ohio Department of Developmental Disabilities
$160,000

Duren, Dana L.
Chumlea, W. Cameron
Doom, Travis E.
Nahhas, Ramzi
Sherwood, Richard J.
Updating Skeletal Maturity Methods for U.S. Children
National Institute of Arthritis and Musculoskeletal and Skin Diseases
$357,220
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<td>Improving Platelet Activity for Cerebral Hemorrhage Treatment (IMPACT)</td>
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<td>Kadakia, Madhavi P.</td>
<td>Role of DeltaNp63alpha in Vitamin D Mediated Cell Survival in Skin Cancer</td>
<td>National Cancer Institute</td>
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<td>Data Safety Monitoring Board Member Consulting Agreement</td>
<td>Ohio State University</td>
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<td>Hellan, Minia</td>
<td>Robot-Assisted Low Anterior Resection: A Multicenter Study with Comparison to National Date of Open and Laparoscopic Surgery</td>
<td>Intuitive Surgical Operations, Inc.</td>
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<td>ID/MI Professorship for FY2015</td>
<td>Montgomery County Alcohol, Drug Abuse and Mental Health Services Board</td>
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<td>American Heart Association - Great Rivers Affiliate</td>
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<td>MEDTAPP Healthcare Access Initiative-Preparing Tomorrow's Workforce to Care for an Aging Ohio: Focus on Older Adult Medicaid and Dual Eligible Populations</td>
<td>Ohio State University</td>
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<td>Mechanisms of Reciprocal Inhibition Development</td>
<td>National Institute of Neurological Disorders and Stroke</td>
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Markey, Michael
Flow Cytometry for Detection of Live E. Coli
Universal Energy Systems, Inc.
$754

Markey, Michael
Cell Cycle Profiling by Flow Cytometry
Cedarville University
$337

McEachen, James C.
Transient Hypoxia Impact on Aircrew Cognitive and Physiologic Performance
Wyle Laboratories
$39,000

Olson, Dean M.
Aerospace Medicine Training in the Era of Expanding Human Space Flights Beyond ISS and LEO
National Aeronautics and Space Administration
$504,508

Orlowski, Marietta A.
Spears, William D.
Dress Your Dog Here: The Impact of Pairing Vegetables with Popular Entrée Items
Cornell University
$36,057

Parikh, Priti
Whitmill, Melissa Lynn
Hendershot, Kimberly M.
Parikh, Pratik
Woods, Randy J.
Spectrum of Trauma Care in the State of Ohio: Improvement and Assessment of Quality of Care
Ohio Department of Public Safety
$56,136

Rich, Mark M.
Cope, Timothy C.
Reduced Motoneuron Excitability in Sepsis
National Institute of Neurological Disorders and Stroke
$330,636

Sulentic, Courtney E.W.
Biomedical Scholars Program
National Institute of General Medical Sciences
$262,922

Towne, Bradford
Genetic Epidemiology of Ocular Health and Disease
Texas Biomedical Research Institute
$31,089

Trentini, John Francis
Olson, James E.
The Neuroprotective Effects of Cerium Oxide Nanoparticles in Acute Stroke
Emergency Medicine Foundation
$5,000

Wilson, Josephine F.
Second Chance Initiative
Montgomery County Alcohol, Drug Addiction and Mental Health Services Board
$120,000

Wilson, Josephine F.
Ohio SBIRT
Ohio Department of Mental Health and Addiction Services
$73,845

Wilson, Josephine F.
Gambling Prevention Development Plan
Montgomery County Alcohol, Drug Addiction and Mental Health Services Board
$16,610

College of Education and Human Services

Fruth, Jason D.
Internship at Greene County Educational Service Center, 2014-2015
Greene County Educational Service Center
$18,893
Lindsey, Jill L.
Clark State Community College
Internship 2014 - 2015
Clark State Community College
$18,523

Lindsey, Jill L.
Internship in Sinclair Community College's Student Leadership Development Office, 2014-2015
Sinclair Community College
$16,540

**College of Engineering and Computer Science**

Bae, Ha-Rok
*Probabilistic Life Assessment of Structures Subjected to Combined Extreme Environments*
Universal Technology Corporation
$60,741

Bourbakis, Nikolaos G.
*A Methodology for the Deterministic Detection of Program Flow Hijacking (PFH)*
Department of Defense, Office of Naval Research
$117,536

Cao, Caroline
*Developing Physics-Based Virtual Simulation Technology for Natural Orifice Translumenal Endoscopic Surgery (NOTES)*
Rensselaer Polytechnic Institute
$102,578

Cao, Caroline
*Development and Validation of a Virtual Airway Skill Trainer (VAST)*
Rensselaer Polytechnic Institute
$93,632

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

Chen, Keke
Powers, James L.
*Mining and Visualizing Large-Scale Social Media Data for Event Detection and Monitoring*
Dayton Area Graduate Studies Institute
$51,000

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

Fendley, Mary E.
Church, Donald Glen
*Reducing Error Rates in Intelligence Surveillance and Reconnaissance Anomaly Detection via Information Presentation Optimization*
Dayton Area Graduate Studies Institute
$43,500

Ganapathy, Subhashini
*Incident Data Classification*
Center for Operator Performance
$25,000

Grandhi, Ramana V.
Neiferd, David John
Bae, Ha-Rok
*Multidisciplinary Size, Shape, and Topology Optimization of Thermoelastic Structures Under Combined Loading*
Dayton Area Graduate Studies Institute
$51,000

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

Hitzler, Pascal
Cheatham, Michelle Andreen
*EarthCube Building Blocks: Collaborative Proposal: GeoLink - Leveraging Semantics and Linked Data for Data Sharing and Discovery in the Geosciences*
National Science Foundation
$407,745

Hitzler, Pascal
*III: Travel Fellowships for Students from U.S. Universities to Attend ISWC 2014*
National Science Foundation
$20,000

Hitzler, Pascal
*III: Student Travel Fellowships: 2014 Web Reasoning and Rule Systems Conference and Reasoning Web Summer School*
National Science Foundation
$12,000

Hitzler, Pascal
*III: Small: TROn - Tractable Reasoning Ontologies*
National Science Foundation
$10,000

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Huang, George
Low Pressure Turbine Aerodynamic Research
Department of Defense, Air Force, Air Force Research Laboratory
$26,280

Huang, George
Low Pressure Turbine Aerodynamic Research
Department of Defense, Air Force, Air Force Research Laboratory
$26,280

Huang, George
Mian, Ahsan Akm
WSU/Mound Laser & Photonics Center, Inc. Shared Faculty Position - Research Projects Summer 2014
Mound Laser and Photonics Center, Inc.
$18,075

Huang, George
Validation of SC/Tetra in Practice Engineering Applications
Cradle North America Inc.
$16,783

Huang, Hong
Development of the Fundamental Understanding of Metal Oxide Memristive
Universal Energy Systems, Inc.
$88,700

Huang, Hong
Nanostructured Architectures for Structural Batteries
Universal Energy Systems, Inc.
$27,300

Huang, Hong
R/F Microwave Graphene-Based Impedance Chemical Gas Sensor
Advratech, LLC
$19,550

Kidambi, Phani
Social Media-Monitoring Solution
Thruti Information Labs Limited
$9,072

Kidambi, Phani
Research and Development of Citation Mapping Feature Vector Vedainfo Inc.
$4,295

Klingbeil, Nathan W.
Rattan, Kuldip S.
Slater, Joseph C.
Cao, Caroline
Watkins, Kera Z.
The CECS Student Success Scholarship Program: Leveraging Curricular Innovation in Engineering and Computer Science Education
National Science Foundation
$614,096

Klingbeil, Nathan W.
Laser Powder Bed Additive Manufacturing Process Development
Carnegie Mellon University
$38,690

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

Mian, Ahsan Akm
Franco, Suzanne
Srinivasan, Raghavan
Collaborative RET Site - Inspiring the Next Generation of a Highly-Skilled Workforce in Advanced Manufacturing and Materials
National Science Foundation
$168,105

Mukhopadhyay, Sharmila M.
EAGER: Novel Catalyst Design Using Hierarchical Hybrid Materials
National Science Foundation
$80,000

Parikh, Pratik
GOALI/Collaborative Research: Optimal Inpatient Discharge Planning Under Uncertainty
National Science Foundation
$177,187

Ren, Saiyu
Low Power Anti-Jam GPS Integrated Circuit Development
RBS Technologies, LLC
$69,279

Rigling, Brian D.
Garber, Fred D.
AFRL Research Collaboration Program
Department of Defense, Air Force, Air Force Research Laboratory
$826,908

Rigling, Brian D.
Novel Signal Processing for Airborne Passive Synthetic Aperture Radar
Systems & Technology Research
$40,000

Rigling, Brian D.
Cooperative RF Sensors
Matrix Research & Engineering
$15,000

Rigling, Brian D.
Garber, Fred D.
Frequency-Dependent Circuit with 3-D Positioning
Intellectual Ventures LLC
$184
Roberts, Rory A.  
Wolff, J. Mitch  
Center for Integrated Thermal Management of Aerospace Vehicles  
Purdue University  
$23,989  

Shang, Joseph J.S.  
Physics-Based Analysis and Adjoint-Based Optimization of Flapping-Wing Micro-Air Vehicles  
Department of Defense, Air Force Office of Scientific Research  
$110,896  

Shang, Joseph J.S.  
Expanding Research Scope of Grant entitled "Simulating Nonequilibrium Radiation via Orthogonal Polynomial Refinement"  
Department of Defense, Air Force Office of Scientific Research  
$39,570  

Shaw, Arnab K.  
LADAR Technology and Research  
Leidos, Inc.  
$130,000  

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

Slater, Joseph C.  

Slater, Joseph C.  
Structural Dynamics and Mechanics of Gas Turbine Engine Components  
Universal Technology Corporation  
$9,888  

Thirunarayan, Krishnaprasad  
Semantic Web-Based Data Exchange and Interoperability for OEM-Supplier Collaboration  
Pratt & Whitney  
$89,736  

Thomas, Scott Keith  
University Engineering Design Challenge  
Technology Service Corporation  
$20,000  

Wu, Zhiqiang  
GPS Enhanced Dynamic Spectrum Access: Phase II  
Echo Ridge LLC  
$62,000  

Zhuang, Yan  
A Study on Boron Nitride Doped Graphene  
University of Dayton  
$30,000  

$23,989  

$110,896  

$39,570  

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$25,000  

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$89,736  

$20,000  

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$30,000  

College of Liberal Arts

Brun, Carl F.  
Central State University  
Application for CSWE Candidacy  
Ohio Department of Job and Family Services  
$22,977  

Cortes, Tess  
General Operating Support: Art Galleries  
Ohio Arts Council  
$5,065  

Dewey, Dawne  
University of Dayton Roesch Library Archives Public History Internship  
University of Dayton  
$7,920  

Dockery, Jane L.  
Accreditation Readiness and CQI Support for Local Health Districts  
Association of Ohio Health Commissioners  
$47,500  

Dockery, Jane L.  
Wright Patterson AFB Economic Impact Study  
Development Projects, Inc.  
$39,988  

Dockery, Jane L.  
H-1B Technical Skills Training Grant  
Ohio Board of Regents  
$29,168  

Dockery, Jane L.  
Dayton Region Cultural Plan  
Culture Works  
$24,960  

Dockery, Jane L.  
Hospital Implementation Plan Development  
Kettering Health Network  
$22,000  

Dockery, Jane L.  
Gresham, Madeline Diane  
Greene County Parks & Trails Survey  
Greene County Parks & Trails  
$8,855
Dockery, Jane L.  
*Community Health Improvement Plan Using the MAPP Approach*  
Madison County/London City Health District  
$6,517

Dustin, Jack L.  
*Greene ESC*  
Greene County Educational Service Center  
$9,649

Dustin, Jack L.  
*Community - Police Relations Dialogue*  
City of Dayton, Ohio  
$5,500

Murray, Carol S.  
*Analysis of Impediments to Fair Housing Choice*  
City of Fairborn, Ohio  
$18,437

Murray, Carol S.  
*Sharonville Citizen Perception Survey*  
City of Sharonville, Ohio  
$10,738

Murray, Carol S.  
*Brush! Education Workshops*  
Think TV Network  
$9,431

Murray, Carol S.  
Gresham, Madeline Diane  
*2014 Trotwood Levy Survey*  
City of Trotwood, Ohio  
$5,000

Murray, Carol S.  
*CAARE for Daycare Professionals*  
Think TV Network  
$2,500

Tichnell, Tracey Ann  
*FASD Strategic Plan/Capacity Building Plan*  
Public Health Dayton and Montgomery County  
$5,060

College of Nursing and Health

Farra, Sharon L.  
*Learning Outcome Measurement in Nurse Participants After National Disaster Health Certification Training*  
Association of Community Health Nursing Educators  
$4,950

Knowles, Harriet Grace  
*Kindred Simulation Service*  
Kindred Hospital - Dayton  
$6,143

Mainous, Rosalie O'Dell  
*Miami Valley Hospital Operating Agreement*  
Miami Valley Hospital  
$40,000

College of Science and Mathematics

Aga, Rachel S  
Jordan, Carly Ann  
*Work Function Modification of Different Metal Electrodes by Deposition of Ultrathin PEDOT:PSS and Carbon Nanotubes via Aerosol Jet Printer*  
Dayton Area Graduate Studies Institute  
$43,500

Agrawal, Abinash  
*Treatment of Chlorinated Hydrocarbons (CHCs) and Explosives/Nitroaromatic Compounds (NACs): Insight into Abiotic and Microbiological Transformation Processes at WPAFB Treatment Wetland and Similar Environments*  
Air Force Institute of Technology  
$69,999

Arasu, Krishnasany T.  
*Algebraic Methods to Design Signals*  
Department of Defense, Air Force Office of Scientific Research  
$55,949

Arlian, Larry G.  
Morgan, Marjorie S.  
*Allergen Analysis*  
S.C. Johnson & Son, Inc.  
$45,665

Arlian, Larry G.  
Morgan, Marjorie S.  
*Scabies: Biology, Culture, Host Specificity, and Antigens*  
National Institute of Allergy and Infectious Diseases  
$36,500
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<td>Arlian, Larry G.</td>
<td>Laundry Sample Analysis</td>
<td>Procter &amp; Gamble Company</td>
<td>$17,500</td>
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<td>Bahn, Volker</td>
<td>Tracking Performance of Rainforest Alliance Certified Tea, Coffee, Cocoa and Banana Farms from First Audit to Present: An Analysis of Audit Reports</td>
<td>Rainforest Alliance, Inc.</td>
<td>$2,200</td>
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<td>Brown, Elliott</td>
<td>High-Resolution Sensing of DNA Nanostructures in the THz Region</td>
<td>University of California</td>
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<td>III-N Devices and Architectures for THz Electronics</td>
<td>University of Notre Dame</td>
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<td>Non-Contact, THz Sensing of Corneal Hydration</td>
<td>University of California, Los Angeles</td>
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<td>Brown, Elliott</td>
<td>Option Agreement for a Possible Non-Exclusive License to Photomixer Technologies</td>
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<td>Deibel, Jason A.</td>
<td>Electron Emission from Carbon Nanotube Materials Assisted by Ultrafast Laser Pulse Excitation</td>
<td>Universal Energy Systems, Inc.</td>
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<td>Feld, William A.</td>
<td>Single Ion Conducting Solid-State Lithium Electrochemical Technologies</td>
<td>University of Dayton</td>
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<td>Flach, John M.</td>
<td>Sirius Program</td>
<td>Applied Research Associates, Inc.</td>
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<td>Fox, Jane Lee</td>
<td>MAVEN Mission</td>
<td>University of Colorado</td>
<td>$208,600</td>
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<td>Gilkey, Robert H.</td>
<td>Multisensory Processing Research</td>
<td>Ball Aerospace</td>
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<td>Hammerschmidt, Chad R.</td>
<td>Analysis of Fish Tissue for Selenium</td>
<td>University of Wisconsin</td>
<td>$30,825</td>
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<td>Hammerschmidt, Chad R.</td>
<td>Mercury Analysis of Environmental Samples</td>
<td>More Than One Source of Support</td>
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<td>Higgins, Steven R.</td>
<td>Development and Application of a Hydrothermal Atomic Force Microscope</td>
<td>Oak Ridge National Laboratory</td>
<td>$36,000</td>
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<td>Houpt, Joe</td>
<td>Dynamic Generalizations of Systems Factorial Technology for Modeling Perception of Fused Information</td>
<td>Department of Defense, Air Force Office of Scientific Research</td>
<td>$144,210</td>
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<td>Hunt, Allen Gerhard</td>
<td>Sirius Program</td>
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<td>Ju, Shulin</td>
<td>Developing a Novel Pipeline to Identify Human Gene Suppressors of Cellular Toxicity Induced by Proteins Associated with Neurodegenerative Disease</td>
<td>Industry</td>
<td>$200,000</td>
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<td>Higgins, Steven R.</td>
<td>Enhanced Experimentation-Type AFM Tool for Screening Interactions Between Oil and a Solid Through a (brine) Medium at High Temperature and Pressure Under Corrosive Conditions</td>
<td>College of William and Mary</td>
<td>$154,171</td>
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<td>Juvina, Ion</td>
<td>Theory and Research Unifying Social/Game-Theoretical/Ecological/Cognitive &amp; Computational Approaches to Trust Dynamics (TRUSTE-CC)</td>
<td>Department of Defense, Air Force Office of Scientific Research</td>
<td>$144,936</td>
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Juvina, Ion
Houpt, Joe
The Fourth Annual Midwestern Cognitive Science Conference 2014
Department of Defense, Air Force Office of Scientific Research
$4,000

Kleismit, Richard A.
Advanced Liquid Metal Reconfiguration Materials/ Devices and Sub-Systems
Universal Energy Systems, Inc. $30,000

Look, David C.
Conduction in Thin Films of ZnO for Electronic Applications
Department of Defense, Air Force Office of Scientific Research
$149,956

Look, David C.
Native Point Defects, Electrically-Active Impurities, and Plasmonics ZnO Interfaces
Ohio State University $60,006

McGowin, Audrey E.
Analytical Services for RAPCA Regional Air Pollution Control Agency
$1,370

Narakesari, Shruti
Human-Machine Trust for Robust Autonomous ISR Systems
Systems Research and Applications International $25,265

Pavel Sizemore, Ioana E.
Adragna-Lauf, Norma C.
Collaborative Proposal: Developing a Battery of Interdisciplinary Methods for the Study of the Trafficking Mechanisms and Transformations of Silver and Gold Nanomaterials in Human Cells
National Science Foundation $225,000

Petkie, Douglas T.
Small Human Discrimination
InfoSciTex $9,834

Petkie, Douglas T.
REU SITE: A Pilot Distributed REU Site Focused on Serving Physics and Astronomy Students from Comprehensive and Community Colleges
Central Washington University $7,350

Petkie, Douglas T.
Deibel, Jason A.
TeraHertz Samples - Non-Federal More Than One Source of Support $300

Ritzi, Jr., Robert W.
Ground Water Protection Program 2014
Cemex $4,425

Rooney, Thomas
Wildlife Monitoring and Consulting for Dairymen's Dairymen's, Inc. $5,544

Schneider, Tamera
Research and Analytical Support for the 711th HPW Human Effectiveness Directorate
Department of Defense, Air Force, Air Force Research Laboratory
$45,000

Sharma, Amit Raj
Extension of First-Principles Code Quantum Espresso to Predict Realistic Material Parameters for Emerging Electronic Devices
High Performance Technologies, Inc. $119,880

Tarpey, Thaddeus
Statistical Methods for Mapping Human Brain Development
New York University School of Medicine $24,013

Watamaniuk, Scott N. J.
Attention Allocation for Voluntary Smooth Eye Movements
Smith-Kettlewell Eye Research Institute $88,232

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Gregorich, Earl
Small Business Development Center
Ohio Development Services Agency $28,585

Gregorich, Earl
WSU Mentor - Protégé Program
WBB, Inc. $14,600
Marshalek, Kathleen A.
*Dayton ITAC at WSU: 2014*
Ohio Development Services
Agency
$11,400

**School of Professional Psychology**

Rando, Robert A.
*Ohio Program for Campus Safety and Mental Health*
Northeast Ohio Medical University
$2,200

Schultz, Michelle S.
*Practicum Training: ADAMHS Board, FY2015*
Montgomery County Alcohol, Drug Addiction and Mental Health Services Board
$62,000

Schultz, Michelle S.
*SOPP Practicum: Wright State Physicians FY2015*
Wright State Physicians
$14,000

Schultz, Michelle S.
*SOPP Practicum: UD Counseling Center FY2015*
University of Dayton
$12,400

Schultz, Michelle S.
*SOPP Internship: Summit BHC FY2015*
Summit Behavioral Healthcare
$12,000

Schultz, Michelle S.
*SOPP Internship: PHP Upper Valley Medical Center FY2015*
Premier Health Partners
$12,000

Schultz, Michelle S.
*SOPP Practicum: Center for Adolescent Services FY2015*
Center for Adolescent Services
$4,500

Schultz, Michelle S.
*Practicum Training 2014*
Cincinnati Children’s Hospital Medical Center
$1,925

Schultz, Michelle S.
*SOPP Internship: Eastway Behavioral Healthcare FY2015*
Eastway Behavioral Healthcare
$16,000

Warfield, Janeece
*PECE-PACT: Parents Early Childhood Education/Positive Action Choices Training*
Montgomery County Alcohol, Drug Addiction and Mental Health Services Board
$69,288

Winfrey, LaPearl L.
*REEP: Research and Evaluation Enhancement Program*
Ohio Commission on Minority Health
$75,000

**Student Affairs**

Cooper, Mary Maureen
*Student Athlete Opportunity Fund 2013/2014*
Horizon League
$85,454

Slater, Joseph C.
Miller, Julie M.
*Dayton Means Internships and Co-ops, Wright State University: 2014-2016*
Ohio Board of Regents
$127,586

Wanderi, Joy W.
*Community Partnership Grant FY2014*
Global Ties U.S.
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Wanderi, Joy W.
*Open World - Serbia: "Accountable Governance: Demand Side of Governmental Accountability"*
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Sudkamp, Thomas A.  
Articulation and Transfer FY2015  
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Sudkamp, Thomas A.  
Support for Position of Senior Associate Director, SCTAI  
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$95,417

Sudkamp, Thomas A.  
Articulation and Transfer: The Ohio eTranscript Initiative  
Ohio Board of Regents  
$15,000

Vice President for Research and Dean of the Graduate School

Fogle, Orelle R.  
Rigling, Brian D.  
Robust Adaptive Sensing Research Support  
Defense Engineering Corporation  
$47,499

Grimes, Keith David  
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Nehrbass, John W.  
Novel Methods for Change Detection Algorithm Performance Prediction to Enable Deployment of AFRL/RY Gotcha Radar Real-Time, All-Weather, All-Hour Surveillance Capabilities  
High Performance Technologies, Inc.  
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Parker, Jason G.  
Business and Technical Support Services  
Wright State Applied Research Corporation  
$2,535,051

Wysong, Mark  
SSA Health IT Records  
Social Security Administration  
$2,325

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The staff of Research and Sponsored Programs wish you a Happy and Peaceful Holiday Season