

# RESEARCH NEWS

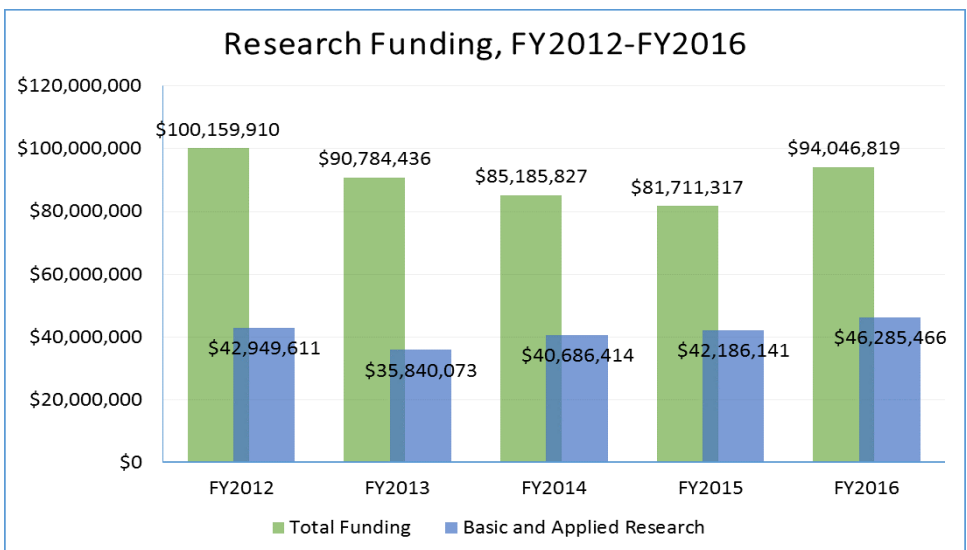
Spring/Summer 2017 Vol. 48

## WRIGHT STATE UNIVERSITY'S EXTERNAL SUPPORT ON THE UPSWING, RESEARCH FUNDING GROWS

During the previous fiscal year (FY2016) Wright State University witnessed meaningful growth in its extramural funding profile, with a 15% increase over the previous year's total funding. Moreover, the University is currently on target to potentially surpass FY2016 funding by the end of the current fiscal year. During the first six months of FY2016, the University recorded \$47,330,300 in funding, compared to \$52,172,953 during the same time frame in FY2017, representing an increase of just over 10%.

Within its external funding profile, support for basic and applied research continues to rise. As shown in the chart, despite continued dips in overall funding from FY2013 – FY2015, research support began to bounce back in FY2014 with a 13.5% increase over FY2013, and has witnessed increasing support in subsequent years (+3.7% in FY2015 and +9.7% in FY2016).

As always, the Office of the Research and Sponsored Programs 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 (<http://www.wright.edu/research/research-and-sponsored-programs>) for information about the services we offer.

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# NOTES from the AVP

## Reminders: Best Practices for Security



This column presents me with a good opportunity to remind our readers of some best practices related to security.

### Operations Security (OPSEC)

Most of us practice OPSEC every day without really thinking about it. We lock our computer screens when we walk away from our offices (important to do so, even if walking away for a few minutes), we secure sensitive files and information, and we password protect our devices, among other things. OPSEC protects information and activities, unlike the physical deterrents (safes and fences) that protect facilities.

But we still do things that negate these good intentions: posting revealing personal information on social media, carrying on cell phone conversations in public places, leaving our devices unattended, using public Wi-Fi hot spots, and keeping personal information or devices in unlocked vehicles or gym lockers. Awareness is the key to OPSEC! Be aware of your surroundings at all times and practice “need to know.” If asked for information that the other party is not authorized to receive, just say no.

### Academic Solicitation

This method of solicitation applies directly to the Wright State University culture. Academic solicitation is the fastest growing method of

operation and is defined as the use of students, faculty, scientists and researchers as “collectors” improperly attempting to obtain sensitive or proprietary information. It is effective because the academic community is naturally collaborative, but this willingness to share information can have unintended consequences if not carefully managed.

A faculty member who receives an unsolicited offer from an individual seeking a position as a research scholar in his or her laboratory (at no expense to the University) should carefully consider the request before accepting. The same caution should be used when a researcher is offered an all-expense paid trip to an international conference. If it is too good to be true, it probably is, and it should be treated as a potentially suspicious contact.

### The Insider Threat

You have probably read about the notorious cases of the “insider threat”—those employees who, for whatever reasons, took government or employer secrets and risked their organization’s or national security in the course of doing so. An insider threat is defined as anyone with authorized access to the information or things an organization values most and uses that access, either wittingly or unwittingly, to inflict harm to the organization or

national security. The organization’s valuable assets may include proprietary information, trade secrets, and intellectual property.

Again, awareness is critical. If you encounter what you would consider to be unusual behavior in your work surroundings, please remember: If you SEE something, SAY something.

### Foreign Travel

Many Wright State faculty, staff and students will be traveling to foreign destinations for business and pleasure in the coming months, and it is worth taking a few precautions when doing so. If traveling to a foreign trade show or conference, know that these events are ripe for information collection. Maintain heightened awareness at foreign destinations and do not post travel plans or pictures (at least not while on travel) to social media. It is always a good idea to review travel alerts from the U.S. Department of State before departure and take advantage of the CaTS International Laptop Travel Kit.

Any questions regarding any of the topics described in this column can be directed to me in Research and Sponsored Programs. *Have a safe and secure summer!*

*Ellen*

# Sponsor Alerts

## HELPFUL HINTS: NIH PROPOSAL WRITING RESOURCES



The NIH website is a great resource and can provide guidance when writing a research grant application. Provided below are links that will be helpful in your grant writing journey.

### How to Apply – Application Guide:

You will use the application instructions (link below) along with guidance in the funding opportunity announcement to submit your application to NIH, CDC, FDA and AHRQ. ***Please note: the funding opportunity announcement (FOA) instructions ALWAYS supersede these instructions, so be sure to read the FOA carefully.***

<https://grants.nih.gov/grants/how-to-apply-application-guide.html>

### Write Your Application:

This section will assist you in developing a strong application. The page provides tips for demonstrating to reviewers and NIH staff the high quality personnel involved in your project. The information is relevant for all research grants, but is geared toward the NIH Research Project (R01). <https://grants.nih.gov/grants/how-to-apply-application-guide/format-and-write/write-your-application.htm>

### Developing Your Budget:

As you begin to develop a budget for your research application many questions may arise. Your best resources for answering these questions are to contact your Research and Sponsored Programs Pre Award Administrator, your department administrative officials, and your peers.

The following link includes tips

and reminders for preparing a budget. This section will provide guidance on budget categories, and will help determine what budget information is required in a modular versus detailed budget. <https://grants.nih.gov/grants/how-to-apply-application-guide/format-and-write/develop-your-budget.htm>

### Format Attachments:

You will find several kinds of fields in the application forms – check boxes, dates, data entry fields, and attachments. Attachments are documents you prepare outside the application forms using whatever editing software you prefer (e.g., Microsoft Word) converted to PDF format and then uploaded to the application.

Sponsors have very specific attachment formatting requirements. Failure to follow these requirements may lead to application errors upon submission or withdrawal of the application from the review process. <https://grants.nih.gov/grants/how-to-apply-application-guide/format-and-write/format-attachments.htm>

### Page Limits:

Follow the attachment page limits specified in the link below for your research application, unless otherwise specified in the FOA. The page limits for most forms sections are listed in the following link, organized by activity code. ***Please note: the funding opportunity announcement (FOA) instructions ALWAYS supersede these page limits, so be sure to check the FOA for any exceptions.*** <https://grants.nih.gov/grants/how-to-apply-application-guide/format-and-write/page-limits.htm>

[grants.nih.gov/grants/how-to-apply-application-guide/format-and-write/page-limits.htm](https://grants.nih.gov/grants/how-to-apply-application-guide/format-and-write/page-limits.htm)

### Data Tables:

Use these data tables with Institutional Research Training grant applications. Select the appropriate blank data tables and instructions. <https://grants.nih.gov/grants/forms/data-tables.htm>

### Reference Letters:

Some types of programs, such as fellowships and some career development awards, require the submission of reference letters by the referee. Referees must submit these letters by the application deadline in order to be considered part of the application. Applications that have fewer than the required number of reference letters will not be reviewed. <https://grants.nih.gov/grants/how-to-apply-application-guide/submission-process/reference-letters.htm>

### Biosketches:

Biosketches are required in both competing grant applications and progress reports. Blank format pages, instructions, and sample biosketches can be found at the link below. You can also try SciENcv, a tool supporting multiple research agencies, to help develop your biosketch and automatically format it to NIH requirements. <https://grants.nih.gov/grants/forms/biosketch.htm>

## Sponsor Alerts, cont'd

### AN INCREASE OF THE NIH SALARY CAP

Effective January 8, 2017, the NIH salary cap changed from \$185,100 to \$187,000. See NOT-OD-17-049 for further details. <https://grants.nih.gov/grants/guide/notice-files/NOT-OD-17-049.html>

### NATIONAL SCIENCE FOUNDATION: A CHANGE TO THE COLLABORATORS AND OTHER AFFILIATIONS SECTION, AND A REQUEST FOR FEEDBACK

(Adapted from a communication from NSF)

On April 24, 2017, the National Science Foundation (NSF) began a new pilot requiring the use of a template for identifying Collaborators and Other Affiliations (COA) information for Principal Investigators (PIs), co-PIs, and other senior project personnel identified on proposals submitted in FastLane. The 17-1 version of the NSF Proposal and Award Policies & Procedures Guide (PAPPG) requires individually uploaded COA information as a Single Copy Document. The NSF uses this information during the merit review process to help manage reviewer selection. To expedite identification of potential reviewers, having a standard, searchable format for this information is essential. The new pilot will standardize COA information across the Foundation and will ensure that the information is submitted in a searchable format. In addition to the merit review process benefits, the COA template will reduce administrative burden and improve efficiencies by providing submitters with a compliant and reusable format to maintain this information for use in subsequent proposal submissions to NSF.

Pilot results will be assessed and will determine how to proceed with this section of the proposal in the future. Please note that the template:

- ◆ **Has been developed to be fillable. However, the content and format requirements must not be altered by submitters.**
- ◆ **Must be saved in .xlsx or .xls formats and directly uploaded into FastLane as a Collaborators and Other Affiliations Single Copy Document.**
- ◆ **Will be converted by FastLane from an .xlsx or .xls file to a PDF file.**
- ◆ **Has been tested in Microsoft Excel, Google Sheets, and LibreOffice.**

- ◆ **Will enable preservation of searchable text that otherwise would be lost. Must be uploaded in .xlsx or .xls formats only. Uploading a COA Single Copy Document in any other format may delay the timely processing and review of proposals.**
- ◆ **Will be directly linked in FastLane. The template and associated instructions may also be accessed directly at: <https://www.nsf.gov/bfa/dias/policy/coa.jsp>.**

The new spreadsheet template is part of a pilot activity, and NSF wants your feedback on the use of the template to submit COA information in FastLane. NSF will be collecting your template feedback via Research.gov until COB **July 14, 2017**. This timeline will allow NSF to incorporate any changes to the Collaborators and Other Affiliations information requirement into the next PAPPG, which is scheduled to go into effect in January 2018. To submit COA template feedback:

1. Go to: [https://www.research.gov/research-portal/appmanager/base/desktop?\\_nfpb=true&\\_pageLabel=research\\_home\\_page&eventName=research\\_feedback\\_event](https://www.research.gov/research-portal/appmanager/base/desktop?_nfpb=true&_pageLabel=research_home_page&eventName=research_feedback_event)
2. Choose “Collaborators & Other Affiliations (COA)” under the Site Area dropdown menu;
3. Include your feedback in the Comments or Suggestions field; and
4. Click Submit when you are ready to send your feedback to NSF.

For system-related questions, please contact FastLane User Support at 1-800-673-6188 or [fastlane@nsf.gov](mailto:fastlane@nsf.gov). Policy-related questions regarding the content of the COA template, should be directed to [policy@nsf.gov](mailto:policy@nsf.gov).

## WHAT'S ALL THE FUSS ABOUT PUSHING THE SUBMIT BUTTON? A REMINDER

Electronic submission of grant proposals is the norm today and, as such, Pre Award Administrators frequently hear the phrase, "I'll have it to you by 4:00 p.m." on deadline day. This scenario results in many proposals being submitted to the sponsor at 4:55 p.m. or later on the day the proposal is due. Once a proposal is received in RSP, the Pre Award Administrator must submit the proposal through an electronic portal that is often overburdened on deadline days, and the late-day transmission to RSP does not allow time to complete a thorough review of the proposal for compliance with sponsor guidelines prior to submission. By waiting until 4 p.m. or later to forward the complete proposal to RSP, a researcher runs the risk of not having time to make any changes found necessary after late-day submission of the proposal to the sponsor.

While it may seem, in the age of electronic submission via Grants.gov, eRA Commons, and Fastlane, that the guesswork of on-time submission is removed, a variety of pitfalls emerge the closer one is to the stated deadline. This rush of submissions can create a potential sponsor backlog in processing, and checking for errors can take up to four hours. If the submission is found to have errors, and those errors cannot be corrected before the stated deadline, the application cannot be sent on for review.

In addition to these last-minute scenarios, inclement weather can also impede a proposal submission, and in many cases, the sponsor is unmoved by this difficulty; proposals are still due on the deadline day despite the potential for University closure. For these and many

**Five (5) business days prior to submission deadline RSP must receive:**

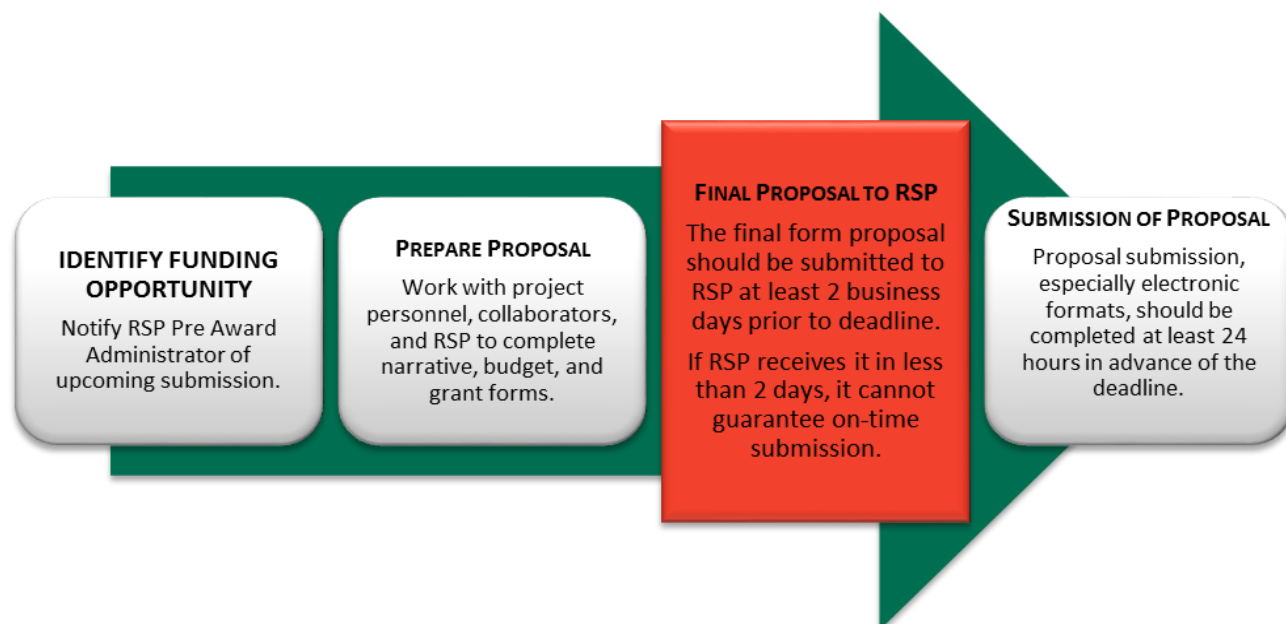
- ⇒ **Final budget (request and cost share)**
- ⇒ **Budget justification**
- ⇒ **Abstract**

**Two (2) business days prior to submission deadline RSP must receive:**

- ⇒ **Complete proposal ready for submission**

other reasons, RSP established a 5-day/2-day proposal review and submission timeline.

Scenarios like this can be avoided by submitting several hours and days in advance of the deadline. Research and Sponsored Programs strongly encourages you to contact them when you first make the decision to submit an application for funding (see below). We can provide the assistance you need for a successful submission, especially if we are aware of your proposal needs!





## Pre Award News, cont'd

### PROPOSAL BUDGET DEVELOPMENT: UPDATED RATES FOR FACILITIES AND ADMINISTRATIVE COSTS (F&A), FRINGE BENEFITS

#### Facilities and Administrative Costs

Wright State University just concluded negotiations with its cognizant federal agency, the US Department of Health and Human Services, which established updated rates for both facilities and administrative costs (F&A) and fringe benefits. The following F&A rates will be effective for the timeframe of July 1, 2017 to June 30, 2020:

<b>On-Campus Research</b>	<b>50%</b>
<b>On-Campus Instruction</b>	<b>50%</b>
<b>On-Campus Other Activity</b>	<b>37%</b>
<b>Off-Campus All Activities</b>	<b>26%</b>

While the rate for off-campus activities remained unchanged, on-campus activities increased by two percentage points from the previous rate agreement. As a reminder, the University's rates apply to a project's modified total direct costs, consisting of all salaries and wages, fringe benefits, materials, supplies, services, travel, and subgrants/subcontracts up to the first \$25,000 of each subgrant/subcontract (regardless of the project period). Application of the appropriate F&A rates to proposals for extramural funding shall comply with University Policy No. 6340, which can

be found at the following link: <https://policy.wright.edu/policy/6340-facilities-and-administrative-indirect-costs-sponsored-programs>.

#### Fringe Benefits Rates for FY2018

As you develop a proposal budget, keep in mind that salary and fringe benefits rates may change over time, perhaps even annually. Such is the case with the University's fringe benefits for FY2018. Effective July 1, 2017 to June 30, 2018, fringe benefit rates for faculty, staff, and students will change to the following: full-time faculty (51% FTE or more), 26.4%; faculty – part-time, overload, summer, retirees, 12.7%; full-time unclassified (including hourly), 34.8%; part-time un/classified staff, 15.0%; full-time classified staff, 54.90%; and OPERS-covered students, 16.2%. A proposal budget should reflect current rates, and when developing a multi-year budget, the fringe benefit rate should be increased by 1.5% over the previous years to cover potential/projected inflation. For help with budget development, communicate with your Pre Award Administrator. For additional budget guidance, please visit the RSP website: <https://www.wright.edu/research/research-and-sponsored-programs/pre-award/budget-development>.

## SAVE THE DATE FOR SPIN TRAINING!

This interactive training session on the SPIN funding database walks attendees through the process of utilizing the electronic search engine-style database to identify potential funding sources to support research and other sponsored programs. The 45-60 minute workshop will be held in LX016 and offered on **Wednesday, June 28 at 11:00 a.m. and Wednesday, August 23 at 10 a.m.** To attend either session, *please RSVP* at your earliest convenience to [deborah.lundin@wright.edu](mailto:deborah.lundin@wright.edu) or call extension 2423.

**\*\*NOTE: Preregistration is strongly encouraged to ensure your access to the database (you must be entered in the InfoEd GENIUS database prior to attending - RSP can accomplish this entry for you when you reserve your space at the workshop).**

## HOW TO AVOID JOURNAL-VOUCHER REJECTION

You've submitted the perfect journal voucher (JV) to transfer expenses from your unrestricted fund to a grant. It speeds its way through the approval process...until it gets to RSP Post Award. You receive an email from your grants accountant, requesting more information for the JV. What? You say you completed this JV the same way you always do JVs? That is most certainly true, but JVs affecting 6xxxxx funds require more detailed information.

All JVs should include detailed information regarding the expense that is being transferred:

- Transaction date of the original expense
- Banner document code of the original expense (for example, invoice number or Travel Authorization number)
- Vendor or supplier name for the original expense
- Description of the expense
- Dollar amount of the expense, if there is more than one expense being transferred on the same JV
- Reason for the expense transfer

Providing this information will generally allow anyone viewing the JV to locate the source of the expense being transferred in Wings Express Finance (WEF). If you've ever had to research a transferred expense, you know that the more information, the better!

For JVs affecting 6xxxxx funds:

- An explanation of how the expense benefits the grant/fund should be included
- For procard expense transfers, attach a copy of the procard statement and the backup documentation to the JV

Non-procard expense documents can generally be located within WEF. However, procard expense documents are not available directly through WEF.

Why is this additional information required?

- Post Award is able to review the expense and verify its allowability and applicability to the grant/fund
- If there is an internal or external audit, the source documents can be readily accessed

The University community as a whole is working towards a higher level of efficiency. JVs that include the proper documentation save time for all involved. In FY2015, 4,300 J16 (expense transfers) JVs were generated. On average, 18%, or 774 JVs, were disapproved for various reasons. That is a lot of wasted effort!

Your grants accountant (<https://www.wright.edu/research/research-and-sponsored-programs/post-award/post-award-services>) can usually correct an incorrect JV or add document text to clarify the expense as needed. This is still somewhat time consuming, but generally more efficient than disapproving and re-initiating the JV.

For additional information, please contact the Post Award department, and visit the link: <https://www.wright.edu/research/research-and-sponsored-programs/post-award/grant-expenditures>.

*We're always here to help!*

## IRB GOES ELECTRONIC IN THE RSP GATEWAY, UPDATES

The Human Subjects module in the RSP Gateway is now operational. And, effective June 1, 2017, all IRB submissions for Human Subjects **must be submitted** through the RSP Gateway. Training sessions for the Human Subjects module will occur once a month. The dates and times for training scheduled through August 2017 are listed below. Please contact Robyn

Wilks (ext. 4462) or Jodi Blacklidge (ext. 3974) if you would like to attend a session. Space is limited.

Additionally, the IRB deadline dates are changing. Please see the information below for the revised IRB deadline dates. The revised dates are effective as of July 1, 2017.

RSP GATEWAY HUMAN SUBJECTS MODULE TRAINING SCHEDULE SUMMER/FALL 2017	
Meeting Date	Time/Location
June 12	1:00—3:00 p.m., Library Annex 016
July 10	1:00—3:00 p.m., Library Annex 016
August 14	1:00—3:00 p.m., Library Annex 016
September 11	1:00—3:00 p.m., Location TBD
October 10	1:00—3:00 p.m., Location TBD
November 13	1:00—3:00 p.m., Location TBD
December 11	1:00—3:00 p.m., Location TBD

WRIGHT STATE UNIVERSITY INSTITUTIONAL REVIEW BOARD MEETING SCHEDULE SUMMER/FALL 2017	
Meeting Date	Deadline Date
July 17	June 26
August 21	July 31
September 18	August 28
October 16	September 25
November 20	October 30
December 18	November 27

## IACUC TO GO ELECTRONIC IN THE RSP GATEWAY IN JULY

The Institutional Animal Care and Use Committee (IACUC) module in the RSP Gateway is almost ready. Research and Sponsored Programs (RSP) staff are putting the final touches on the eForms and trials are currently underway with the committee to ensure that all processes are in working order. What does this mean for you? In the coming months we will be transitioning to the new, electronic protocol submission process. Your current protocols will still be in

place and usable. For new submissions, you will be required to use the RSP Gateway. RSP staff will schedule training sessions to educate investigators and interested staff on accessing and using the newly released module. The anticipated launch date is July 1, 2017. Questions? Contact Laboratory Animal Resources (LAR) at ext. 2792, or Mandy Karper, Compliance Coordinator in Research and Sponsored Programs, at ext. 3332.



# Research Compliance News, cont'd

## EXPORT COMPLIANCE: POLICY AND RESOURCES FORTHCOMING

The Office of Research Compliance is enhancing and expanding Wright State's export compliance (EC) program, which encompasses all of the federal rules and regulations governing export controls and trade sanctions. The primary sources of these laws are the Department of Commerce's Export Administration Regulations (EAR), the Department of State's International Traffic in Arms Regulations (ITAR), and the Department of Treasury's Office of Foreign Asset Control (OFAC). Other federal agencies may have their own rules, potentially resulting in additional restrictions.

Much of the focus of the EAR and ITAR is on identifying and classifying

sensitive technology, and protecting it from "foreign persons," including everything from equipment shipments overseas to viewing drawings or diagrams in one's office. We are working with colleges, departments, and other offices – HR, Purchasing, UCIE, CaTS, Shipping/Receiving, to name a few – to implement the steps necessary to protect the university and its personnel. Risks of noncompliance include fines in the hundreds of thousands of dollars as well as potential jail time.

There is a natural tension with export compliance and a university. One seeks to limit who has access to sensitive technology and information in an environment that is driven by presen-

tation and publications. Our EC program is focused on assisting faculty, staff, and students with taking the appropriate steps to comply with the many rules while also balancing the desire to make public the great research being performed here.

In the coming months, new information will be posted to the export controls website (<http://www.wright.edu/research/compliance/export-control>), have more opportunities for learning about EC, and a new university policy will be released.

We look forward to partnering with you to enhance all our research compliance efforts. Questions? Please call the Office of Research Compliance at 775-3853.

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Delayne Humphries, Undergraduate Assistant

# AWARDS

*The grants and contracts on these pages were awarded from April 2016 through March 2017  
Award amounts may reflect one or more years/increments.*

Grandhi, Ramana V. <i>Collaborative Center in Multidisciplinary Sciences (CCMS)</i> Virginia Polytechnic Institute and State University \$130,007	Kenyon, Lisa Orvik <i>Supporting Scientific Practices in Elementary and Middle School Classroom</i> Northwestern University \$33,120	Slilaty, Daniel C. <i>Topological Graph Theory and Matroid Theory</i> Simons Foundation \$14,000
Boivin, Gregory <i>Biopsy Study</i> Devicor Medical Products, Inc. \$30,256	Brown, Elliott <i>Non-Contact, THz Sensing of Corneal Hydration</i> University of California, Los Angeles \$22,468	Brown, Elliott <i>1550-nm Extrinsic-GaAs Photomixers, Arrays and Spectrometers</i> DoD, Army Research Office \$70,600
Harris, Charlotte M. <i>Dayton Regional Science, Technology, Engineering, and Mathematics School Services Agreement</i> Dayton Regional Science, Technology, Engineering, and Mathematics (STEM) School \$2,915,548	Fox, Jane Lee <i>MAVEN Mission</i> University of Colorado \$231,243	Tarpey, Thaddeus <i>Characterizing Placebo Response to Active Treatment Using Very High Dimensional Data</i> New York University School of Medicine \$245,980
Keferl, Joseph E. <i>Dayton Regional Science, Technology, Engineering, and Mathematics School Services Agreement</i> Dayton Regional Science, Technology, Engineering, and Mathematics (STEM) School \$3,049,259	Barnhart, Amy <i>College Work Study Program</i> U.S. Department of Education \$940,830	Sheth, Amit Thirunarayan, Krishnaprasad Srinivasan, Raghavan <i>Federated Semantic Services Platform for Material Sciences</i> DoD, Air Force, Air Force Research Laboratory \$20,000
Sudkamp, Thomas A. <i>Articulation and Transfer FY2017</i> Ohio Department of Higher Education \$1,217,052	Gross, David C. <i>Interactions with Semi-Autonomous Remotely Piloted Vehicles</i> DoD, Air Force, Air Force Research Laboratory \$375,000	Parmelee, Dean X. <i>Service Contract Between Qassim University and Wright State University</i> Qassim University, Unaizah College of Medicine \$1,000,000
Brown, Elliott <i>III-N Devices and Architectures for THz Electronics</i> University of Notre Dame \$45,587	Olson, Dean M. <i>Aerospace Medicine Training in the Era of Expanding Human Space Flights Beyond ISS and LEO</i> National Aeronautics and Space Administration \$925,047	Wu, Zhiqiang <i>Acoustic Signal Processing and Ultrasonic Communication Network</i> Kalos Technologies, Inc. \$34,052
	Dewberry, Brenda I. <i>Building Successful Futures</i> U.S. Department of Education \$507,500	

*The staff of the Office of Research and Sponsored Programs congratulates those receiving external funds, and we encourage those with unfunded proposals to consult with us about resubmission.*

Pickoff, Arthur S. <i>Clinical Trial</i> Sanofi Pasteur, Inc. \$249,021	Boivin, Gregory <i>Sinclair Training</i> Sinclair Community College \$4,654	Gross, David C. <i>Interactions with Semi-Automatic Remotely Piloted Vehicles (iMACE)</i> InfoSciTex \$12,500
Terry, John B. Wysong, Mark <i>Clinical Trial</i> Johns Hopkins University \$22,188	Grandhi, Ramana V. Neiferd, David John <i>Multidisciplinary Size, Shape, and Topology Optimization of Thermoelastic Structures Under Combined Loading</i> Dayton Area Graduate Studies Institute \$52,260	Daniulaityte, Raminta Carlson, Robert G. Nahhas, Ramzi Sheth, Amit Thirunarayan, Krishnaprasad <i>Trending: Social Media Analysis to Monitor Cannabis and Synthetic Cannabinoid Use</i> DHHS, National Institute on Drug Abuse \$460,736
Look, David C. <i>Native Point Defects, Electrically Active Impurities, and Plasmonics</i> Ohio State University \$120,000	Doom, Travis E. Gallagher, John C. Raymer, Michael L. <i>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</i> Association of American Colleges and Universities \$49,999	Sheth, Amit <i>Cardiology Semantic Analysis System</i> ezdataintelligence LLC \$25,000
Towne, Bradford <i>Versartis Skeletal Maturity Contract</i> Versartis, Inc. \$51,500	Roberts, Rory A. Wolff, J. Mitch <i>Center for Integrated Thermal Management of Aerospace Vehicles</i> Purdue University \$46,719	Paul, Kimberly A. <i>NCI Award Under DCOP Fiscal Agency Agreement</i> Dayton Clinical Oncology Program \$855,000
Li, Sheng <i>Refinement of OSU's Scuffing Models for Lubricated Rough Surface Contacts of Rollers and Gears</i> Ohio State University \$50,000	Higgins, Steven R. <i>Development and Application of a Hydrothermal Atomic Force Microscope</i> Oak Ridge National Laboratory \$112,000	Nevels, Dieter <i>NCI Award Under DCOP Fiscal Agency Agreement</i> Dayton Clinical Oncology Program \$855,000
Rich, Mark M. <i>Reduced Motoneuron Excitability in Sepsis</i> DHHS, National Institute of Neurological Disorders and Stroke \$325,670	Juvina, Ion <i>Theory and Research Unifying Social/Game-Theoretical/Ecological/Cognitive &amp; Computational Approaches to Trust Dynamics (TRUSTE-CC)</i> DoD, Air Force Office of Scientific Research \$156,201	Paul, Kimberly A. <i>Miscellaneous Awards Under DCOP Fiscal Agency Agreement</i> Dayton Clinical Oncology Program \$62,990
Hammerschmidt, Chad R. <i>Analysis of Fish Tissue for Selenium</i> University of Wisconsin \$13,500	Mukhopadhyay, Sharmila M. <i>EAGER Supplement: Novel Catalyst Design Using Hierarchical Hybrid Materials</i> National Science Foundation \$15,995	Nevels, Dieter <i>Miscellaneous Awards Under DCOP Fiscal Agency Agreement</i> Dayton Clinical Oncology Program \$37,354
		Ren, Saiyu <i>Low Power Anti-jam GPS Integrated Circuit Development</i> RBS Technologies, LLC \$100,000

Bowling, Nathan A. <i>Predictors of Trust/Suspicion in Automation</i> Systems Research and Applications International \$59,600	Kozak, Juliusz Ashot <i>TRPM7 and Cellular pH</i> DHHS, National Institute of Allergy and Infectious Diseases \$740,000	Hammerschmidt, Chad R. <i>Mercury Analysis of Environmental Samples</i> More Than One Source of Support \$12,192
Ford, JoAnn Wilson, Josephine F. <i>Integrated Continuum-of-Care Services (ICS) Project</i> DHHS, Substance Abuse and Mental Health Services Administration \$500,000	Zoz, III, Donald F. <i>Clinical Trial</i> Gilead Sciences, Inc. \$1,615	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 \$9,999
Farra, Sharon L. <i>Effects of Virtual Reality Simulation on Worker Emergency Evacuation of Neonates</i> DHHS, Agency for Healthcare Research and Quality \$242,330	Srinivasan, Raghavan <i>Assessing the Impact of Dwell and Multi-Axial Fatigue on Performance of Titanium Alloys</i> University of Dayton \$15,080	Wolff, J. Mitch <i>Turbine Engine Inlet Distortion Aeromechanical Investigation for AFRL/RQTI</i> Universal Technology Corporation \$33,256
Kaminski, Jennifer A. <i>Facilitating TraNational Science Foundationer of Mathematical Knowledge from Classroom to Real Life</i> Ohio State University \$163,004	Wolff, J. Mitch <i>High Impact Technologies</i> Dayton Area Graduate Studies Institute \$81,544	Barnhart, Amy <i>Supplemental Educational Opportunity Grant Program (SEOG) 2015/2016</i> U.S. Department of Education \$3,036
Martin, Bryan M. <i>ACHIEVE: A Chance to Have and Improve the Experience and Value of Education</i> U.S. Department of Education \$364,162	Bourbakis, Nikolaos G. <i>A Methodology to Protect Classified Technical Documents: The Diagram Modification Approach</i> DoD, Office of Naval Research \$342,022	Barnhart, Amy <i>PELL Grant Program 2015/2016</i> U.S. Department of Education \$18,882,953
Wysong, Mark <i>Clinical Research Affiliation and Operations Agreement CY15</i> Premier Health Partners \$786,141	Parker, Jason G. <i>ShadowBox</i> Center for Operator Performance \$3,150	Elbasiouny, Sherif M. <i>Mechanisms Underlying Excitability Regulation of Motoneuron Types in ALS</i> DHHS, National Institute of Neurological Disorders and Stroke \$323,750
Cox, Michael T. <i>Goal-Driven Autonomy and Robust Architectures for Long-Duration Missions</i> DoD, Office of Naval Research \$398,951	Gallimore, Jennie J. <i>ShadowBox Training II</i> Center for Operator Performance \$10,500	Matsuura, John H. Wysong, Mark <i>Clinical Trial</i> Hansen Medical Inc. \$20,790
	Mawasha, P. Ruby <i>Ohio Space Grant Consortium Scholarship/Fellowship Program 2014/2015</i> Ohio Department of Higher Education \$4,000	Jacobs, Bradley S. Wysong, Mark <i>Clinical Trial</i> Genentech, Inc. \$48,534

Deibel, Jason A. <i>Design/Development and Characterization of Microwave/Terahertz Frequency Superconducting Antennas</i> University of Dayton \$35,000	Roberts, Rory A. Wolff, J. Mitch <i>Power and Thermal Management System for Hypersonic Vehicles</i> Acumentrics SOFC Corp. \$70,000	McCarthy, Mary C. Wysong, Mark <i>Clinical Trial</i> Boehringer Ingelheim \$43,992
Gross, David C. <i>Mobile EW Laboratory</i> MacAulay-Brown, Inc. \$16,000	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 \$52,260	Thirunarayan, Krishnaprasad Sheth, Amit <i>Medical Information Decision Assistance and Support</i> Milcord LLC \$25,000
Rigling, Brian D. Garber, Fred D. Saville, Michael Shaw, Arnab K. Wischgoll, Thomas Rizki, Mateen M. <i>Sensor and Information Research Center for Understanding Systems (SIRCUS)</i> DoD, Air Force, Air Force Research Laboratory \$3,556,999	Schultz, Michelle S. <i>SOPP Internship: Eastway Forensic Psychiatric Center Site, FY2016</i> Eastway Behavioral Healthcare \$16,000	Sudkamp, Thomas A. <i>Support for Position of Senior Associate Director, SCTAI</i> Ohio Department of Higher Education \$99,784
Wenning, Mary V. <i>Greene ESC</i> Greene County Educational Service Center \$28,620	Schultz, Michelle S. <i>SOPP Practicum: Central Clinic FY2016</i> Central Clinic \$16,000	Wischgoll, Thomas <i>Testing Environment for Human Detection Algorithms on Synthetic FMV</i> Wright State Applied Research Corporation \$73,425
Duren, Dana L. <i>Versartis Skeletal Maturity Contract (14VR4)</i> Versartis, Inc. \$2,980	Wysong, Mark <i>Clinical Research Coordinator Staffing Agreement at Miami Valley Hospital</i> Premier Health Partners \$574,549	Layne, Jo Ellen <i>Child Welfare Workforce Professional Education Program</i> Ohio Department of Job and Family Services \$246,500
Towne, Bradford <i>Versartis Skeletal Maturity Contract (14VR4)</i> Versartis, Inc. \$6,720	Wysong, Mark <i>Clinical Nurse to Support the Miami Valley Hospital Department of Surgery</i> Premier Health Partners \$99,388	Cao, Caroline <i>Development and Validation of a Virtual Airway Skill Trainer (VAST)</i> Rensselaer Polytechnic Institute \$95,922
Long, Weiwen <i>ERK3 Kinase Signaling in Lung Cancer</i> DHHS, National Cancer Institute \$338,550	Rooney, Thomas <i>Establishing a Scientific Basis for Garlic Mustard Control and Eradication on Private Lands</i> Dairymen's Foundation, Wisconsin \$8,000	Smith, Sherrill Jeanne <i>Wright State University Veteran's Bachelor of Science Nursing Program</i> DHHS, Health Resources and Services Administration \$305,758
	Travers, Jeffrey B. <i>Wounding Therapy and Photocarcinogenesis</i> DHHS, National Institute on Aging \$654,434	



Mian, Ahsan Akm <i>NASA STTR Phase I - Integrated Modeling and SLM Process Development Chamber</i> Advratech, LLC \$48,609	Sudkamp, Thomas A. <i>Choose Ohio First, 2015-2017</i> Ohio Department of Higher Education \$1,453,339	Gentile, Julie P. Cowan, Allison Harper, Bethany L. Mast, Ryan C. Merrill, Brian M. <i>Ohio's Telepsychiatry Project</i> Ohio Department of Developmental Disabilities \$225,000
Warfield, Janeece <i>PECE-PACT: Parents Early Childhood Education/Positive Action Choices Training</i> Montgomery County ADAMH Services Board \$69,288	Lieh, Junghsen <i>Cost Estimating Models for Advanced Composite Aircraft Using Additive Manufacturing</i> Wyle Laboratories \$31,420	Orlowski, Marietta A. <i>OHIO Smarter Lunchrooms - Evaluation of 2015-2016</i> Ohio Department of Education \$15,750
Huang, Hong <i>Soft Organic Functional Technology (SOFT) - Nanostructured Architectures for Structural Batteries</i> Universal Energy Systems, Inc. \$14,195	Sahu, Ravi P. <i>Environmental Pro-Oxidation Stressors and Immunosuppression</i> DHHS, National Institute of Environmental Health Sciences \$239,676	Kozlowski, Gregory <i>Development of Robust Compact Sources for Alkali Atom Systems</i> Universal Energy Systems, Inc. \$20,500
Barnhart, Amy <i>Science, Mathematics, and Research for Transformation (SMART) Defense Scholarship Program 2015/2016</i> American Society for Engineering Education \$9,142	Sunar, Ulas <i>Quantitative Endoscopic Imaging and Structured Light Delivery for Controlled Drug</i> DHHS, National Institute of Biomedical Imaging and Bioengineering \$35,551	Gross, David C. <i>Interactions with Semi-Autonomous Remotely Piloted Aircraft (RPA)</i> DoD, Air Force, Air Force Research Laboratory \$210,000
Rigling, Brian D. <i>Collaborative Research: I/UCRC Center for Surveillance Research, Phase II</i> National Science Foundation \$184,400	Farrell, Ann M. Tosa, Sachiko <i>Lesson Study as Collaborative, Practice-Based Professional Development</i> Ohio Department of Education \$187,005	Ulrich, Deborah Lee <i>Choose Ohio First: Primary Care Nursing Scholarships and Curriculum Enrichment, 2015-2017</i> Ohio Board of Regents \$100,000
Schneider, Tamera <i>Intergovernmental Personnel Act (IPA) assignment of Dr. Tamera Schneider from Wright State University to the National Science Foundation</i> National Science Foundation \$145,346	Schmitz, James L. <i>FY15 GEOINT MS&amp;E Support - A2C-15 -032 FY15 Improved Analysis Tool Development</i> Invertix Corporation \$58,527	Wolff, J. Mitch <i>Ohio Space Grant Consortium Scholarship/Fellowship Program 2015/2016</i> Ohio Space Grant Consortium \$7,500
Rigling, Brian D. <i>Collaborative Center for Surveillance Research, Phase II</i> More Than One Source of Support \$237,500	Killian, Jerri <i>Greene County Records Intern</i> Greene County Records Center and Archives \$5,000	Peters, Jeffrey L. <i>American Ornithologists' Union 2015 Travel and Presentation Awards</i> American Ornithologists' Union \$800

Fruth, Jason D. <i>Partnering in PAX</i> Ohio Department of Mental Health and Addiction Services \$50,000	Wilson, Josephine F. <i>Risky Business Intervention Development, Pilot Testing, Refinement, Implementation, and Evaluation</i> Montgomery County ADAMH Services Board \$41,705	Black, Donerik G. <i>Small Business Development Center, FY2016</i> Ohio Development Services Agency \$264,400
Dunn, Margaret M. <i>Ohio Innovation Partnership Choose Ohio First Scholarship Program</i> Ohio Board of Regents \$540,000	Wilson, Josephine F. <i>Continuing, Sustaining, and Advancing the Work of the Montgomery County Prevention Coalition</i> Montgomery County ADAMH Services Board \$167,000	Grandhi, Ramana V. <i>Collaborative Research: A Cellworks Optimization Method for Air Vehicle Design</i> University of Hawaii at Manoa \$132,978
Huang, Hong <i>Phase-Cancelled, Broadband, Graphene- Based Impedance Sensor (Phase II)</i> Advratech, LLC \$147,399	Lindheim, Steven R. Yaklic, Jerome Lumetta Wysong, Mark <i>Clinical Trial</i> Bayer Corporation \$106,416	Roberts, Rory A. <i>Design and Fabrication of an External Combustor for a JetCat Turbojet Engine</i> Universal Technology Corporation \$14,875
Travers, Jeffrey B. Sahu, Ravi P. Cool, David R. Li, Gengxin <i>Platelet Activating Factor and Epidermal Cytotoxicity</i> DHHS, National Heart, Lung, and Blood Institute \$373,713	Schmitz, James L. <i>FY15 Near Real-Time Extraction Proof of Concept (PoC) Research &amp; Development (R&amp;D) Support A2C-15-082</i> Invertix Corporation \$22,979	Rigling, Brian D. <i>Object Physics for Exploitation and Recognition Advancements (OPERA)</i> Leidos, Inc. \$10,000
Hershberger, Paul J. Bricker, Dean Allen, Jeffery B. Smith, Sherrill Jeanne Huber, Mary Josephine Wilson, Josephine F. <i>Integrated SBIRT Training for Medical, Nursing, Counseling, and Clinical Psychology Students and Residents</i> DHHS, Substance Abuse and Mental Health Services Administration \$314,460	Murray, Carol S. Dockery, Jane L. <i>Proposal to Conduct the 2016 Analysis of Impediments to Fair Housing Choice</i> Greene County Department of Development \$20,091	Rigling, Brian D. <i>TRACE</i> Industry/DoD, Defense Advanced Research Projects Agency \$750,000
Pickoff, Arthur S. Wysong, Mark <i>Clinical Trial</i> Duke University \$22,000	Zhang, Junjie <i>Scalable Vulnerability Assessment for Large Cyber-Physical Systems</i> Ball Aerospace \$30,000	Roberts, Rory A. Wolff, J. Mitch <i>A Cryogenic Palletized Directed Energy System</i> Purdue University \$100,000
	Towne, Bradford <i>Genetic Epidemiology of Ocular Health and Disease</i> University of Texas Rio Grande Valley \$52,165	Roberts, Rory A. Wolff, J. Mitch <i>Dynamic Modeling and Simulation of a Three Stream Engine for Vehicle Power and Thermal Management</i> Purdue University \$100,000
		Rigling, Brian D. <i>Expanded INSIGHTS Functionality - Multi-User/Team Support</i> Engility Corporation \$104,000

Gentile, Julie P. <i>Ohio's Coordinating Center of Excellence in Mental Health/Intellectual Disability</i> Ohio Department of Mental Health and Addiction Services \$85,500	Rigling, Brian D. <i>Novel Signal Processing for Airborne Passive Synthetic Aperture Radar - Phase II SBIR</i> Industrial \$125,000	Welton, Randon S. <i>Community Psychiatry Training Program</i> Ohio Department of Mental Health and Addiction Services \$15,000
Ekeh, Akpofure P. Wysong, Mark <i>Clinical Trial</i> Atox Bio, Ltd. \$81,710	Doran, Derek Edmund <i>REU Supplement for CSR-1464104: Towards Understanding and Mitigating the Impact of Web Robot Traffic on Web Systems</i> National Science Foundation \$24,025	Gillig, Paulette M. <i>Professorship of Rural Psychiatry: Ohio Department of Mental Health and Addiction Services</i> Ohio Department of Mental Health and Addiction Services \$10,000
Pickoff, Arthur S. <i>Clinical Trial</i> Parxel International, LLC \$60,375	Duby, John C. <i>Practice Improvement to Address Adolescent Substance Use (PIAASU)</i> American Academy of Pediatrics \$50,000	Wysong, Mark <i>Clinical Research Affiliation and Operations Agreement CY16</i> Premier Health Partners \$783,150
Dockery, Jane L. <i>H-1B Technical Skills Training Grant Data and Evaluation Support</i> Ohio Board of Regents \$50,507	Lyon, Anna <i>Reading Recovery: Scaling Up What Works</i> Ohio State University \$92,736	Reo, Nicholas V. <i>Mechanistic Interpretations of Hypobaric and Hyperoxia Using Metabolomics and Proteomics</i> Henry M. Jackson Foundation \$103,735
Gentile, Julie P. <i>ID/MI Professorship for FY 2016</i> Montgomery County ADAMH Services Board \$30,000	Lyon, Anna <i>Reading Recovery: Scaling Up What Works</i> Ohio State University \$14,000	Lunsford, Suzanne K. Slattery, William <i>Partners In Integrated Earth Systems Science (PIES)</i> Ohio Department of Higher Education \$84,146
Reo, Nicholas V. Raymer, Michael L. <i>NMR-Based Urinary Metabolomics in Rats Exposed to Burn Pit Emissions and Respirable Sand</i> Henry M. Jackson Foundation \$240,504	Klykylo, William M. <i>Support for Director of Child and Adolescent Psychiatry</i> Ohio Department of Mental Health and Addiction Services \$35,000	Romine, William L. <i>Mission HydroSci: A Virtual Environment for Next Generation Science Learning</i> University of Missouri \$55,135
Wilson, Josephine F. <i>Online VR Assessment and Service Protocol to Enhance Employment of Individuals Who Are Deaf</i> DHHS, Administration for Community Living \$489,999	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	Zhou, Xiangqian <i>Fifty-Seventh Mighty Conference in Graph Theory</i> National Science Foundation \$8,436
Brown, Elliott <i>High Resolution Sensing of DNA Nanostructures in the THz Region</i> University of California \$197,515		

Cauley, Katherine L. <i>Sinclair Community College Matching Funds CY2015</i> Sinclair Community College \$32,000	Krishnamani, Rajan Wysong, Mark <i>Clinical Trial</i> PPD Development, LLC \$39,923	Dosser, Larry R. <i>Midwest Photonics Education Center: Proposal for an ATE Regional Center</i> Indian Hills Community College \$25,977
Pickoff, Arthur S. Wysong, Mark <i>Clinical Trial</i> Alcon Research, Ltd. \$28,360	Burdette, Steven D. Wysong, Mark <i>Clinical Trial</i> Cubist Pharmaceuticals, Inc. \$48,690	Sheth, Amit <i>REU Supplement: IIS: Medium: Context-Aware Harrassment Detection on Social Media</i> National Science Foundation \$32,000
Sheth, Amit Thirunarayan, Krishnaprasad <i>Modeling Social Behavior for Healthcare Utilization and Outcomes in Depression</i> Cornell University \$186,480	Pickoff, Arthur S. Wysong, Mark <i>Clinical Trial</i> Morphotek, Inc. \$130,802	Bennett, Kevin B. <i>Ecological Interface Design Approach to Supporting Cyber Understanding and Interaction</i> Trimetis, LTD \$23,219
Wanderi, Joy W. <i>Community Partnership Grant Bridge Award</i> Global Ties U.S. \$345	Wang, Bin Alqallaf, Maha A. <i>Software Defined Secure Ad Hoc Wireless Networks</i> Kuwait Foundation for the Advancement of Sciences \$30,000	Cox, Michael T. <i>Situational Awareness via Mixed-Initiative Universal Recognition, Analysis, and Inference</i> Decisive Analytics \$334,206
Schmitz, James L. <i>FY15 GEOINT MS&amp;E Support - A2C-15 -032 FY15 Improved Analysis Tool Development</i> Invertix Corporation \$7,772	Parikh, Pratik <i>Healthcare Systems Analysis and Operations Systems Engineering Support for the Veterans Engineering Resource Centers (VERCs)</i> Veterans Affairs \$0	Bini, John K. <i>Clinical Trial</i> National Trauma Institute \$53,622
Terry, John B. Wysong, Mark <i>Clinical Trial</i> Boehringer Ingelheim \$106,924	Warfield, Janeece <i>My Baby and Me: Raising Awareness of Postpartum Depression Among African American Women (FY2016)</i> Ohio Commission on Minority Health \$3,000	Fendley, Mary E. Klingbeil, Nathan W. <i>In-Process Monitoring of Additive Manufacturing</i> Advratech, LLC \$349,764
Pickoff, Arthur S. <i>Clinical Trial</i> INC Research LLC \$60,726	Sudkamp, Thomas A. <i>Interstate Passport Phase II</i> Western Interstate Commission for Higher Education \$47,000	Klingbeil, Nathan W. <i>Real-Time Geometric Analysis of Additive Manufacturing</i> Advratech, LLC \$42,203
Pickoff, Arthur S. Wysong, Mark <i>Clinical Trial</i> New England Research Institutes \$63,186	Ritzi, Jr., Robert W. <i>Ground Water Protection Program 2016</i> Cemex \$24,971	Lehrer, Douglas S. <i>African Ancestry Genomic Psychiatry Cohort</i> Research Foundation for The State University of New York \$327,590

Minnery, Brandon S. Harel, Assaf Sherwood, Matthew Scott Juvina, Ion <i>Lapses of Attention Predicted in Semi-Structured Ecological Settings (LAPSES)</i> DoD, Office of Naval Research \$412,698	Bae, Ha-Rok <i>Multi-Objective Uncertainty Quantification via Stochastic Locally Optimized Covariance Krig</i> Dayton Area Graduate Studies Institute \$8,400	Warfield, Janece <i>Children Matter! Montgomery County (CMMC) Project</i> Montgomery County ADAMH Services Board \$98,255
Travers, Jeffrey B. Wysong, Mark <i>Clinical Trial</i> Polynoma LLC \$191,839	Sheth, Amit <i>Employee and Job Search Semantic Engine: Phase I</i> Universal Freelancer \$60,000	Wanderi, Joy W. <i>National Meeting 2016</i> Global Ties U.S. \$1,302
Watchorn, Chad L. <i>Passport to the Future</i> Ohio Department of Education \$95,000	Rapp, Richard C. <i>Comparing Interventions for Opioid Dependent Patients Presenting in Medical EDs</i> New York University School of Medicine \$47,579	Schultz, Michelle S. <i>SOPP Practicum: CompDrug FY2016</i> CompDrug \$8,320
Klykylo, William M. <i>Mind Matters: Ohio Psychotropic Quality Improvement Collaborative</i> Ohio State University \$3,000	Pickoff, Arthur S. <i>Clinical Trial</i> Parexel International, LLC \$35,357	Cauley, Katherine L. <i>Community Health Workers First</i> Ohio State University \$155,986
Pickoff, Arthur S. Wysong, Mark <i>The Impact of Implementing a Universal Newborn Screening for Critical Congenital Heart Disease</i> Mednax Center for Research Education and Quality \$8,820	Elbasiouny, Sherif M. <i>Brain-Computer Interfaces for Human-Autonomous Teaming (BCI-HAT)</i> Wright State Applied Research Corporation \$60,000	Lawhorne, Larry Wayne Klykylo, William M. Swedlund, Steven K. <i>Preparing the Workforce for Ohio's Medicaid Population: Addressing the Needs of the Young and the Old</i> Ohio State University \$62,699
Subban, Jennifer <i>CNI - TOTS Consultation Plan</i> Montgomery County Family and Children First Council \$6,000	Zink, Therese M. Cauley, Katherine L. <i>Wright Rural Health Initiative Implementation Proposal</i> HealthPath Foundation of Ohio \$120,000	Kinzeler, Nicole Wilson, Josephine F. <i>Mindfulness Program Evaluation</i> Interact for Health \$22,700
Wiehe, Michael R. <i>Wright State Public Policy Institute</i> Ohio Department of Higher Education \$1,000,000	Dockery, Jane L. Murray, Carol S. <i>Proposal to Research Trends in Defense Contracting</i> Ohio State University \$8,179	Pei, Yong <i>Assessing the Accuracy of Commercially Available Motion Tracking</i> Kinematechs, LLC \$17,760
	Look, David C. <i>AIN-Based Power Electronics Device Epiwafer Manufacturing</i> Kyma Technologies, Inc. \$30,000	Gentile, Julie P. <i>Ohio's Coordinating Center of Excellence in Mental Illness/Developmental Disability</i> Ohio Developmental Disabilities Council \$75,000



Huang, Hong <i>Improving Electrical and Mechanical Performances of Electrolyte Membranes for Flexible Solid-State Li-Ion Batteries</i> University of Dayton \$18,000	Huber, Mary Josephine <i>The Learning and Working During the Transition to Adulthood Rehabilitation Research and Training Center</i> University of Massachusetts Medical School \$12,755	Rapp, Christine M. <i>Dayton Veterans Affairs Medical Center IPA Agreement</i> Veterans Affairs Medical Center \$33,492
Dockery, Jane L. <i>NEG Sector Partnership Dislocated Worker Grant Compression Planning</i> Montgomery County Department of Job and Family Services \$2,132	Wilson, Josephine F. <i>East Dayton AWARE Project</i> Montgomery County ADAMH Services Board \$12,500	Travers, Jeffrey B. <i>Mechanisms of Photocarcinogenesis in Geriatric Skin</i> Indiana University \$108,333
Cauley, Katherine L. Simmons, Dionne M. <i>Kinship Navigator Consortium FY2016</i> Montgomery County Department of Job and Family Services \$128,900	Murray, Carol S. <i>Responsible Gambling - Premarketing Campaign Telephone Survey</i> University of Dayton \$11,392	Broderick, Timothy J. Miller, Aaron N. Ganapathy, Subhashini Reiter, Chad Bourbakis, Nikolaos G. Cox, Michael T. <i>Center for Excellence for Human Performance and Health Science: LVC/SAPHYRE/Micro-Robot Teams</i> Wright State Applied Research Corporation \$1,998,362
Zhuang, Yan <i>Growth and Characterization of Multiferroic Materials</i> Azimuth Corporation \$45,000	Schultz, Michelle S. <i>SOPP Practicum: CHC of Greater Dayton FY2016</i> Community Health Centers of Greater Dayton \$10,800	Dewey, Dawne <i>Public History Graduate Symposium</i> Ohio Humanities Council \$1,500
Rigling, Brian D. <i>A DARPA Effort</i> Industrial \$15,200	Zhang, Junjie Wang, Bin <i>REU Site: Data-Driven Cyber Security Research</i> National Science Foundation \$359,772	Barnhart, Amy <i>Supplemental Educational Opportunity Grant Program (SEOG) 2016/2017</i> U.S. Department of Education \$402,948
Krishnamani, Rajan <i>Clinical Trial</i> Cardiovascular Clinical Science Foundation \$21,488	Bihl, Ji Chen <i>Role of ACE2 Overexpressing Endothelial Progenitor Cells in Cerebral Hemorrhage</i> American Heart Association - National \$77,000	Barnhart, Amy <i>PELL Grant Program 2016/2017</i> U.S. Department of Education \$19,319,792
Norell, Todd R. <i>Revolutionary Intelligence and Influence Technologies (RIIT)</i> DoD, Air Force, Air Force Research Laboratory \$943,000	Zhang, Wenfeng <i>Veterans Affairs Medical Center IPA Agreement</i> Veterans Affairs Medical Center \$35,807	Burdette, Steven D. Wysong, Mark <i>Clinical Trial</i> Cubist Pharmaceuticals, Inc. \$37,084
	Hager, Faye <i>Dayton Veterans Affairs Medical Center IPA Agreement</i> Veterans Affairs Medical Center \$66,324	Kinzeler, Nicole <i>Mental Health First Aid</i> Interact for Health \$43,284

<p>Xu, Yong-Jie <i>Signaling Mechanism of the DNA Replication Checkpoint</i> DHHS, National Institute of General Medical Sciences \$259,000</p>	<p>Swanson, Drew A. <i>Greene County Records Center and Archives Internship</i> Greene County Records Center and Archives \$5,000</p>	<p>Kashou, Nasser H. <i>Functional Magnetic Resonance Imaging and Diffusion Tensor Imaging Using Transcranial Direct Current Stimulation</i> InfoSciTex \$91,000</p>
<p>Strombeck, Andrew M. <i>Ten Years of the Dayton Literary Peace Prize: A Literary Conference</i> Ohio Humanities Council \$3,000</p>	<p>Dockery, Jane L. <i>City of Loveland Strategic Retreat</i> City of Loveland, Ohio \$3,156</p>	<p>Sheth, Amit <i>ISWC 2016 Student Travel Awards</i> National Science Foundation \$20,000</p>
<p>Murphy, Chris A. <i>Ohio Space Grant Consortium Education Scholarship 2015-2016</i> Ohio Space Grant Consortium \$2,000</p>	<p>Cowgill, Jeffrey Lynn <i>Boxing Scoring Interface System For Aggression Behavior Research</i> Tufts University \$5,000</p>	<p>Paliy, Oleg Reo, Nicholas V. <i>Intestinal Epithelial Cell Regulation of Allergic Inflammation at Distant Sites</i> Ohio State University \$92,000</p>
<p>Dockery, Jane L. <i>The Next Iteration of Fast Forward: Evaluation Plan from Wright State University</i> Sinclair Community College \$14,505</p>	<p>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</p>	<p>Roberson, Elizabeth Jo Cipollini, Donald F. <i>Ohio Invasive Plants Council Research Award</i> Ohio Invasive Plants Council \$1,000</p>
<p>Carlson, Robert G. <i>Dayton Area Drug Survey 2016</i> Montgomery County ADAMH Services Board \$39,063</p>	<p>Cox, Michael T. <i>Robust Adaptable Information-Aided Cognition Target Identification</i> Advratech, LLC \$10,000</p>	<p>McGowin, Audrey E. <i>Lytle Creek and Indian Run Sediment and Water Pollution Assessment</i> Clinton Streamkeepers \$3,849</p>
<p>Wilson, Josephine F. <i>Mental Health First Aid Training in Hamilton County</i> Mental Health America \$25,000</p>	<p>Slattery, William Lunsford, Suzanne K. <i>Science Teaching for Ohio's New Economy (STONE)</i> Ohio Board of Regents \$67,949</p>	<p>Ashley, Mary E. Ayes, R. William <i>Wright State University Pathway Two Proposal</i> Ohio Department of Education \$702,820</p>
<p>Wilson, Josephine F. <i>45417 MHFA Project</i> Mt. Olive Baptist Church \$25,000</p>	<p>Phillips, Chandler A. <i>Application of Human Operator Information Models (HOIM) for Research on Non-Invasive Brain Stimulation Effects on Information Processing Performance</i></p>	<p>Dockery, Jane L. Murray, Carol S. <i>Madison County Community Needs Assessment</i> Madison County Commissioners \$21,939</p>
<p>Wilson, Josephine F. <i>Montgomery County (OH) SAMHSA 2015 Drug Court Grant</i> Montgomery County Court of Common Pleas \$90,000</p>	<p>InfoSciTex \$29,109</p>	<p>Kadakia, Madhavi P. <i>Role of DeltaNp63alpha in Vitamin D Mediated Cell Survival in Skin Cancer</i> DHHS, National Cancer Institute \$272,655</p>

Gomez-Cambronero, Julian <i>PLD2, as a GEF or as a Lipase, is Central to Leukocyte Chemotaxis</i> DHHS, National Heart, Lung, and Blood Institute \$363,064	Rich, Mark M. Fyffe, Robert E.W. <i>Synaptic Function: Effects of the Nerve Injury, and Altered Activity</i> Georgia Tech Research Corporation \$684,949	Terry, John B. Wysong, Mark <i>Clinical Trial</i> Acorda Therapeutics Inc. \$87,166
Dockery, Jane L. <i>DRMC Strategic Planning Event</i> Dayton Development Coalition \$1,300	Brun, Carl F. <i>Evaluation of Student Success Outcomes Related to Career Technical Strategies</i> Ohio Department of Higher Education \$10,000	Terry, John B. <i>Clinical Trial</i> Biogen Idec MA Inc. \$101,716
Hangartner, Thomas N. <i>Renal Osteodystrophy: A Fresh Approach</i> University of Kentucky \$14,034	Wolff, J. Mitch Buettner, Robert W. Roberts, Rory A. <i>Adaptive Turbine Engine Control for a Vehicle Level Tip-to-Tail Model</i> Dayton Area Graduate Studies Institute \$44,130	Roberts, Rory A. Wolff, J. Mitch Bracey, Marcus J. <i>Numerical and Experimental Analysis of an Air Cycle Machine for an Aircraft Thermal Management System</i> Dayton Area Graduate Studies Institute \$44,130
Slater, Joseph C. <i>Modeling and Analysis of Damping Performance of Hard Coatings in Turbomachinery</i> Dayton Area Graduate Studies Institute \$47,880	Wolff, J. Mitch Roberts, Rory A. McGillivray, Nathan T. <i>Design and Optimization of a Scramjet Fuel Delivery System</i> Dayton Area Graduate Studies Institute \$44,130	Wischgoll, Thomas <i>Visualization of Particulate Data</i> Henry M. Jackson Foundation \$59,995
Chen, Chien-In Henry Thompson, Joshua W. <i>Advanced Integrated Smart Cell Onboard Printed Electronics Development</i> Dayton Area Graduate Studies Institute \$52,260	Sheth, Amit <i>REU Supplement: PFI: AIR-TT: Market Driven Innovations and Scaling up of Twitris - A System for Collective Social Intelligence</i> National Science Foundation \$12,000	Sample, Gregory P. <i>Support for Presidential Debate Security Update Activities</i> Ohio Department of Higher Education \$220,000
Wolff, J. Mitch <i>OSGC Campus Allocation Funds</i> Ohio Space Grant Consortium \$2,209	Mian, Ahsan Akm <i>REU Supplement: Collaborative RET Site - Inspiring the Next Generation of a Highly-Skilled Workforce in Advanced Manufacturing and Materials</i> National Science Foundation \$15,000	Rigling, Brian D. Mossing, John C. <i>Test and Evaluation Support for VEA and TRACE</i> Jacobs \$100,000
Schmitz, James L. <i>FY15 GEOINT MS&amp;E Support - Algorithm Bank</i> Invertix Corporation \$0	Huang, Hong Zhuang, Yan <i>Growth, Characterization, and Test Structure Fabrication of Emerging Electronic Materials</i> Universal Technology Corporation \$23,750	Ren, Hongmei <i>Regulation of Mitochondrial Oxidative Metabolism by Lipin1</i> American Heart Association - National \$39,939
	Winfrey, LaPearl L. <i>REEP Infant Mortality FY2016</i> Ohio Commission on Minority Health \$50,000	Rich, Mark M. <i>Developing Therapy for Myotonia Congenita</i> Muscular Dystrophy Association \$82,603

Rigling, Brian D.	Newell, Silvia Elena	Smith, Jack E.
Garber, Fred D.	<i>Characterizing Ammonium Dynamics Affecting Harmful Cyanobacterial Blooms in Lake Erie</i>	<i>FY2014 State Homeland Security Grant Program</i>
Saville, Michael	Ohio State University	Ohio Emergency Management Agency
Shaw, Arnab K.	\$86,826	\$57,840
Wischgoll, Thomas	Vadeboncoeur, Yvonne	Cao, Caroline
Rizki, Mateen M.	<i>From the Headwaters to the Littoral Zone: Using Attached Algae as Indicators of Ecosystem Impairment in the Great Lakes</i>	<i>Fluoro-Free Endovascular Navigation</i>
<i>SIRCUS TO2: Comprehensive Learning Objectives for Warfighter Needs (CLOWN)</i>	Ohio State University	Ohio State University
DoD, Air Force, Air Force Research Laboratory	\$86,558	\$15,000
\$3,818,389	Dockery, Jane L.	Polenakovik, Hari M.
Orlowski, Marietta A.	Murray, Carol S.	<i>Clinical Trial</i>
Spears, William D.	<i>Southwest Ohio Regional Prevention Coordinator Proposal</i>	PPD Investigator Services, LLC
<i>Dress Your Dog Here: The Impact of Pairing Vegetables with Popular Entrée Items</i>	Ohio Department of Job and Family Services	\$77,201
Cornell University	\$166,778	Alvarez-Leefmans, F. Javier
\$9,253	Carlson, Robert G.	<i>Pharmacological Control of CSF Secretion with Bumetanide Targeting the Choroid Plexus Na<sup>+</sup>-K<sup>+</sup>-2Cl<sup>-</sup> Cotransporter NKCC1: A Rational Medical Treatment of Idiopathic Intracranial Hypertension</i>
Sheth, Amit	Daniulaityte, Raminta	Dayton Children's Hospital Foundation
Thirunarayan, Krishnaprasad	<i>Montgomery County Unintentional Drug Overdose Poisoning Death Review, 2016</i>	\$20,000
Forbis, Shalini G.	Public Health Dayton and Montgomery County	Terry, John B.
<i>SCH: INT: kHealth: A Semantic Approach to Proactive, Personalized Asthma Management Using Multimodal Sensing</i>	\$64,467	<i>Clinical Trial</i>
DHHS, National Institute of Child Health and Human Development	Sudkamp, Thomas A.	Acorda Therapeutics Inc.
\$304,140	<i>Travel Support to the 2016 Multi-State Collaborative on Military Credit Annual Meeting</i>	\$16,128
Pickoff, Arthur S.	Ohio Department of Higher Education	Yaklic, Jerome Lumetta
<i>Clinical Trial</i>	\$614	<i>Clinical Trial</i>
Genentech, Inc.	Wischgoll, Thomas	PPD Development, LLC
\$70,347	<i>Human Dismount Synthetic Data Generation</i>	\$57,430
Parker, Jason G.	InfoSciTex	Minnery, Brandon S.
<i>Hemodynamic Response to Hypoxia</i>	\$49,999	Sheth, Amit
Naval Medical Research Unit Dayton	Arumugam, Kuppuswamy	Shalin, Valerie L.
\$109,000	<i>Electrochemically Controlling the Ring Size and Molecular Topology of Cyclic Polyesters</i>	<i>Maximizing the Collective Intelligence of a Network Using Novel Measures of Socio-Cognitive Diversity</i>
McCarthy, Mark J.	DoD, Army Research Office	DoD, Army Research Office
<i>Sediment Nitrogen Dynamics in the Western Basin of Lake Erie Relative to Cyanobacteria Blooms</i>	\$50,000	\$249,034
Ohio State University		
\$86,826		

Parker, Jason G. <i>Alternate Tinnitus Management Techniques Developed Using Blood-Oxygen-Level-Dependent MRI with Neurofeedback</i> DoD, Air Force, Air Force Research Laboratory \$1,196,000	Deibel, Jason A. Petkie, Douglas T. <i>Broad Area Terahertz Frequency Spectroscopic Material State Awareness</i> BerrieHill Research Corporation \$49,995	Schultz, Michelle S. <i>SOPP Internship: Summit BHC FY2017</i> Summit Behavioral Healthcare \$16,000
Paliy, Oleg <i>Protective Effects of Short Chain Fatty Acids Against Infective Endocarditis</i> University of Dayton \$28,000	Fruth, Jason D. Miracle, Tessa L. Huber, Jon-Michael <i>Healthy Campus Partners</i> Ohio Department of Higher Education \$51,600	Schultz, Michelle S. <i>SOPP Internship: PHP Upper Valley Medical Center FY2017</i> Premier Health Partners \$16,000
Rooney, Thomas <i>Deer Nutrition Analysis and Incidence of Borrelia, Anaplasma, and Babesia in Ticks</i> Dairymen's, Inc. \$8,000	Feld, William A. <i>All Solid-State Lithium Electrochemical Technology</i> University of Dayton \$30,000	Schultz, Michelle S. <i>SOPP Internship: CompDrug FY2017</i> CompDrug \$16,000
Sheth, Amit <i>Technical Services for Evaluation of Twitris</i> Ikove Capital Partners, LLC \$16,328	Daniulaityte, Raminta Carlson, Robert G. Pavel Sizemore, Ioana E. <i>Characterizing Fentanyl Outbreaks: Ethnographic and Forensic Perspectives</i> DHHS, National Institute on Drug Abuse \$224,546	Schultz, Michelle S. <i>SOPP Practicum: Central Clinic, Adult Services FY2017</i> Central Clinic \$16,000
Polenakovik, Hari M. <i>Clinical Trial</i> Paratek Pharma, LLC \$108,186	Travers, Jeffrey B. Sulentic, Courtney E.W. <i>Photodynamic Therapy-Induced Immune Modulation: Mechanisms and Influence on Therapeutic Efficacy</i> DHHS, National Institute of Arthritis and Musculoskeletal and Skin Diseases \$195,360	Schultz, Michelle S. <i>SOPP Practicum: Center for Adolescent Services FY2017</i> Center for Adolescent Services \$9,000
Ekeh, Akpofure P. <i>Clinical Trial</i> Irrimax Corporation \$67,095	Schultz, Michelle S. <i>SOPP Internship: Dayton Children's Hospital FY2017</i> Dayton Children's Hospital (Dayton) \$32,000	Schultz, Michelle S. <i>SOPP Practicum: CompDrug FY2017</i> CompDrug \$8,320
Talbot, Ted <i>Clinical Trial</i> AbbVie Inc. \$502,212	Schultz, Michelle S. <i>SOPP Internship: Eastway Behavioral Healthcare FY2017</i> Eastway Behavioral Healthcare \$16,000	Schultz, Michelle S. <i>SOPP Practicum: Court Clinic Site FY2017</i> Central Clinic \$18,000
Sherwood, Matthew Scott <i>Cognitive Performance Research</i> InfoSciTex \$34,700		Schultz, Michelle S. <i>SOPP Practicum: CHC of Greater Dayton FY2017</i> Community Health Centers of Greater Dayton \$14,400



Schultz, Michelle S. <i>SOPP Practicum: Hillcrest Academy FY2017</i> Hillcrest Academy \$14,000	Cheatham, Michelle Andreen Hitzler, Pascal Krisnadhi, Adila Alfa <i>Demonstration of Semantic Web Technologies As Applied to Surface Water Categorization</i> U.S. Geological Survey \$120,000	Hammerschmidt, Chad R. <i>Collaborative Research: GEOTRACES Arctic Section: Mercury Speciation and Cycling in the Arctic Ocean Supplemental</i> National Science Foundation \$33,987
Schultz, Michelle S. <i>SOPP Practicum: Miami University FY2017</i> Miami University \$7,400	Thomas, Scott Keith Potts, Marc David <i>NASA Lunar Mining Robot - Senior Design Team</i> Ohio Space Grant Consortium \$5,000	Ganapathy, Subhashini Berberich, Katelyn A. <i>Model-Based Simulation Systems for Adaptive Training in Time - Critical Decision Making</i> Dayton Area Graduate Studies Institute \$44,130
Schultz, Michelle S. <i>SOPP Practicum Training: Brief Therapy FY2017</i> Brief Therapy Center \$36,167	Wolff, J. Mitch <i>Aeromechanical Investigation of Turbine Engine High Speed Compressors</i> Universal Technology Corporation \$44,314	Farrell, Ann M. Tosa, Sachiko <i>Lesson Study as Collaborative, Practice- Based Professional Development</i> Ohio Department of Education \$45,130
Schultz, Michelle S. <i>SOPP Practicum: UD Counseling Center FY2017</i> University of Dayton \$12,400	Sudkamp, Thomas A. <i>Support for Position of Senior Associate Director, SCTAI, FY2017</i> Ohio Department of Higher Education \$97,518	Schneider, Tamera <i>TAHMT Task Order 001</i> Systems Research and Applications International \$25,012
Schultz, Michelle S. <i>SOPP Practicum: Self Matters FY2017</i> Self Matters LLC \$2,400	Sudkamp, Thomas A. <i>Support for Position of Associate Director, SCTAI, FY2017</i> Ohio Department of Higher Education \$85,722	Zink, Therese M. Reynolds, Peter L. Zryd, Teresa W. Colon, Roberto J. Young, Brenda Buescher Burke, Ann E. <i>Accelerating Primary Care TraNational Science Foundationormation Wright (APCT-Wright)</i> DHHS, Health Resources and Services Administration \$451,764
Schultz, Michelle S. <i>SOPP Practicum: Summit BHC FY2017</i> Summit Behavioral Healthcare \$9,000	Krane, Dan E. <i>Ohio Mathematics Bridges to Success</i> Ohio Department of Higher Education \$61,500	Long, Weiwen <i>Role of SRC-3delta4 in the Progression and Metastasis of Castration-Resistant Prostate Cancer</i> DoD, Army Medical R&D Command \$241,855
Schultz, Michelle S. <i>SOPP Practicum: Nationwide Children's Hospital, Center for Autism Spectrum Disorder FY2017</i> Nationwide Children's Hospital \$5,000	Fendley, Mary E. Gabbard, Ryan D. <i>Identifying the Impact of Stress on Anomaly Detection Through Physiological Changes to Limit Detection Failures</i> Dayton Area Graduate Studies Institute \$44,130	
Terry, John B. <i>Clinical Trial</i> Codman Neuro \$204,329		

Doom, Travis E. <i>Updating Skeletal Maturity Methods for U.S. Children</i> University of Missouri \$46,861	Hitzler, Pascal <i>Ontology Design Patterns for Earth Science Data Access</i> Foundation for Earth Science \$7,200	Rigling, Brian D. <i>Cooperative RF Sensors - Phase II</i> Matrix Research & Engineering \$40,000
Murray, Carol S. <i>Economic Impact Study of the Dayton Dragons Professional Baseball Team Operations</i> Palisades Arcadia Baseball LLC \$4,255	Schultz, Michelle S. <i>Practicum Training: ADAMHS Board, FY2017</i> Montgomery County ADAMH Services Board \$62,000	Rigling, Brian D. Fogle, Orelle R. <i>Contested Environment Radio Frequency Exploitation and Research (CERFER)</i> Matrix Research & Engineering \$90,000
Swanson, Drew A. <i>University of Dayton Roesch Library Archives Public History Internship</i> University of Dayton \$7,680	Warfield, Janeece <i>PECE-PACT: Parents Early Childhood Education/Positive Action Choices Training</i> Montgomery County ADAMH Services Board \$69,288	Dungan, Kerry E. Ash, Joshua Noel <i>Radar Agnostic SAR ATR</i> Systems & Technology Research \$44,999
Rigling, Brian D. <i>Collaborative Center for Surveillance Research, Phase II</i> Ball Aerospace \$50,000	Zhang, Junjie Saunders, Vance M. Bryant, Adam M. Emmert, John M. Xie, Jiafeng <i>Center for Continuous Cybersecurity Education and Training (C3ET) in West Ohio</i> Ohio Department of Higher Education \$541,294	Hennessy, Michael B. <i>Increasing Desirable Behavior in Shelter Dogs: Influences of Human Interaction and Prior Level of Stress</i> Waltham Foundation \$18,968
Jacquemin, Stephen James <i>Swimming Performance of Great Lakes Minnows and Darters</i> Ohio State University \$9,964	Cauley, Katherine L. <i>Community Health Workers First</i> Ohio State University \$364,676	Olson, Dean M. <i>Aerospace Medicine Training for the Era of Pioneering a Journey to Expanding Human Space Flights Beyond ISS and LEO</i> National Aeronautics and Space Administration \$365,285
Daniulaityte, Raminta Carlson, Robert G. Nahhas, Ramzi <i>A Natural History Study of Buprenorphine Diversion, Self-Treatment, and Use of Drug Abuse Treatment Services</i> DHHS, National Institute on Drug Abuse \$563,029	Cauley, Katherine L. <i>Community Health Worker Conference</i> Ohio State University \$20,000	Gross, David C. <i>Interactions with Semi-Autonomous Remotely Piloted Aircraft (RPA)</i> DoD, Air Force, Air Force Research Laboratory \$470,000
Lindheim, Steven R. <i>Evaluation of Oral Hormonal Contraception and Vitamin D Supplementation on Sexual Function in Women with Polycystic Ovary Syndrome</i> Patty Brisben Foundation for Women's Sexual Health \$69,100	Lawhorne, Larry Wayne Weston, Christina G. Swedlund, Steven K. <i>Preparing the Workforce for Ohio's Medicaid Population: Addressing the Needs of the Young and the Old</i> Ohio State University \$527,318	Barnhart, Amy <i>Science, Mathematics, and Research for Transformation (SMART) Defense Scholarship Program 2016/2017</i> American Society for Engineering Education \$45,784

Zhuang, Yan <i>Ultra-Wide Band Gap Materials</i> Azimuth Corporation \$25,000	Wanderi, Joy W. <i>Community Partnership Grant FY2016</i> Global Ties U.S. \$5,636	Kemp, Michael <i>Veterans Affairs Medical Center IPA Agreement</i> Veterans Affairs Medical Center \$38,001
Fruth, Jason D. <i>Expanding Prevention in Montgomery County Schools</i> Montgomery County ADAMH Services Board \$205,975	Bae, Ha-Rok Clark, Jr., Daniel L. <i>Stochastic Metamodeling for Design Validation</i> Dayton Area Graduate Studies Institute \$52,260	Cates, Elizabeth E. <i>Dayton Veterans Affairs Medical Center IPA Agreement</i> Veterans Affairs Medical Center \$21,594
Huang, Hong <i>Electron Optics Analyses Towards Fundamental Understanding of Functional Thin Film Materials and Devices</i> Universal Energy Systems, Inc. \$28,000	Gallimore, Jennie J. <i>Development and Validation of a Standard Color Palette and Updates to the FAA Color Standard</i> U.S. Department of Transportation, Federal Aviation Administration \$103,351	Grandhi, Ramana V. Makas, Admir <i>Multidisciplinary Topology Optimization of Hot Structures Subject to Random Engine Acoustic Loading</i> Dayton Area Graduate Studies Institute \$52,260
Gockel, Joy E. <i>Empirical Optimization of Physical Properties in SLM Ti-6Al-4V via Layer-Wise, Multi-Modal, In-Process Data Collection</i> Advratech, LLC \$58,841	Bryant, Adam R. <i>Training for Resilient Systems Design</i> Tier 1 Performance Solutions \$44,999	Mejia-LaPerle, Carol <i>Encountering Shakespeare: Conference, Teaching Workshops, and Art Gala</i> Ohio Humanities Council \$5,000
Broderick, Timothy J. Kadakia, Madhavi P. Raymer, Michael L. <i>Precision High Intensity Training through Epigenetics (PHITE)</i> DoD, Office of Naval Research \$1,508,485	Gross, David C. <i>Interactions with Semi-Autonomous Remotely Piloted Aircraft (RPA)</i> DoD, Air Force, Air Force Research Laboratory \$617,000	Gillig, Paulette M. <i>Professorship of Rural Psychiatry: Ohio Department of Mental Health and Addiction Services</i> Ohio Department of Mental Health and Addiction Services \$10,000
Wilson, Josephine F. <i>Sisterline: Substance Abuse Treatment and HIV Prevention for African-American Women at High Risk for HIV/AIDS in Montgomery County, OH</i> DHHS, Substance Abuse and Mental Health Services Administration \$495,750	Harel, Assaf <i>The Role of Dynamic Representational Networks in Expertise in Visual Scene Recognition</i> DoD, Office of Naval Research \$94,000	Weston, Christina G. <i>Support for Director of Child and Adolescent Psychiatry</i> Ohio Department of Mental Health and Addiction Services \$35,000
Mian, Ahsan Akm <i>Energy Absorbing Lattice Development</i> G.E. Aviation \$20,223	Banerjee, Tanvi <i>Managing Dementia Through a Multisensory Smart Phone Application to Support Aging in Place</i> DHHS, National Library of Medicine \$168,375	Dunsieth, Neal W. <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
	Romer, Eric J. <i>Dayton Veterans Affairs Medical Center IPA Agreement</i> Veterans Affairs Medical Center \$30,033	

<p>Welton, Randon S. <i>Community Psychiatry Training Program</i> Ohio Department of Mental Health and Addiction Services \$15,000</p>	<p>Patitu, Carol Logan <i>Clark State Community College Internship 2016 - 2017</i> Clark State Community College \$19,676</p>	<p>Rapp, Richard C. <i>Comparing Interventions for Opioid Dependent Patients Presenting in Medical EDs</i> New York University School of Medicine \$48,514</p>
<p>Pavel Sizemore, Ioana E. <i>Towards Understanding Nanoscale Failure Mechanisms in Multifunctional Composite Materials</i> Universal Technology Corporation \$17,217</p>	<p>Organisciak, Daniel T. <i>Antioxidants and Retinal Gene Expression Profiles</i> Ohio Lions Eye Research Foundation \$23,000</p>	<p>Yang, Zifeng <i>Blood Flow Velocimetry Using Digital Subtraction Angiography</i> Radiation Monitoring Devices, Inc. \$44,829</p>
<p>Medvedev, Ivan <i>Terahertz Spectroscopic Chemical Sensor for Analysis of Fatigued Human Breath</i> Advratech, LLC \$140,398</p>	<p>Look, David C. <i>Deep Level Transient Spectroscopy (DLTS)</i> SelectTech Services Corporation \$30,000</p>	<p>Wilson, Josephine F. Ford, JoAnn Williams, Julie L. <i>Evaluating the Effectiveness of Online, Portal-Based Vocational Rehabilitation Services</i> DHHS, Administration for Community Living \$199,990</p>
<p>Watchorn, Chad L. <i>Passport to Future Year Two</i> Ohio Department of Education \$84,701</p>	<p>Marco, Catherine Mozeleski, Eric M. Post, Alina Michelle Downs, Tony A. Bolbrook, Michael B. Anderson, April Tantillo <i>Advance Directives: Application to Clinical Scenarios</i> Bioethics Network of Ohio \$500</p>	<p>Wilson, Josephine F. <i>Online VR Assessment and Service Protocol to Enhance Employment of Individuals Who Are Deaf</i> DHHS, Administration for Community Living \$489,998</p>
<p>Wolff, J. Mitch <i>Ohio Space Grant Consortium Undergraduate Scholarship - 2016-2017</i> Ohio Space Grant Consortium \$7,500</p>	<p>Gentile, Julie P. <i>Ohio's Coordinating Center of Excellence in Mental Health/Intellectual Disability</i> Ohio Department of Mental Health and Addiction Services \$85,500</p>	<p>Kinzeler, Nicole <i>Peer Movement Project (PMP)</i> DHHS, Substance Abuse and Mental Health Services Administration \$208,283</p>
<p>Look, David C. <i>Electrical and Optical Characterization</i> Wyle Laboratories \$288,677</p>	<p>Subban, Jennifer <i>CNI-TOTS 2017</i> Montgomery County Family and Children First Council \$16,000</p>	<p>Conway, Katharine M. <i>PCMH Curriculum Development</i> Ohio Department of Higher Education \$25,000</p>
<p>Dockery, Jane L. <i>Wittenberg University Strategic Planning: Consultative and Facilitative Support</i> Wittenberg University \$8,160</p>	<p>Ford, JoAnn <i>Enhancing ICS Project with Montgomery County Syringe Exchange Program</i> DHHS, Substance Abuse and Mental Health Services Administration \$82,500</p>	<p>Agrawal, Abinash <i>Aerobic Cometabolic Biodegradation of Dilute Concentrations of Carbamazepine and Diclofenac Using Ammonium- Oxidizing and Methane-Oxidizing Bacteria</i> RTI International \$14,800</p>

Bennett, Eric S. <i>Regulated Sialylation Modulates Cardiac Excitability and Conduction</i> National Science Foundation \$354,569	Brown, Elliott <i>Contact-Free, Antenna-Free CW THz Optoelectronic Probe</i> University of Notre Dame \$71,579	Baker-Nolan, Julie <i>Dayton Veterans Affairs Medical Center IPA Agreement</i> Veterans Affairs Medical Center \$200,078
Huang, George <i>Computation Fluid Dynamics in Industrial Applications</i> Cradle North America Inc. \$16,783	Gockel, Joy E. <i>SBIR Phase I Topic 80</i> Advratech, LLC \$24,971	Rigling, Brian D. <i>Leveraging Emerging Accelerator Technologies Toward Developing Acoustic Imaging Reconstruction Capabilities for Object Detection and Identification</i> Engility Corporation \$64,409
Kinzeler, Nicole <i>Ohio SBIRT</i> Ohio Department of Mental Health and Addiction Services \$195,508	Sheth, Amit Thirunarayan, Krishnaprasad <i>Modeling Social Behavior for Healthcare Utilization and Outcomes in Depression</i> Cornell University \$230,854	Gross, David C. <i>Interactions with Semi-Autonomous Remotely Piloted Aircraft (RPA)</i> DoD, Air Force, Air Force Research Laboratory \$590,000
Rigling, Brian D. <i>Modeling Cranial Sutures During the First Year of Life</i> Dayton Children's Hospital (Dayton) \$34,907	Klingbeil, Nathan W. <i>Ohio LSAMP Alliance</i> Ohio State University \$71,000	Rigling, Brian D. Raymer, Michael L. Minnery, Brandon S. <i>C4ISR: Ohio Federal Research Network, Cycle II: Human-Centered Big Data</i> Wright State Applied Research Corporation \$600,000
Gallimore, Jennie J. <i>Transitioning ShadowBox to the COP Community</i> Center for Operator Performance \$70,122	Lee, Miryoung Czerwinski, Stefan Aleksander Kadakia, Madhavi P. Towne, Bradford <i>Telomere Length Dynamics in Relation to Changes in Adiposity and Metabolic Risk</i> DHHS, National Institute of Diabetes and Digestive and Kidney Diseases \$658,770	Travers, Jeffrey B. <i>Mice Care Laboratory Animal Resources</i> Veterans Affairs Medical Center \$24,911
Gockel, Joy E. <i>Low Cycle Fatigue Behavior of Additively Manufactured Inconel 718 Due to Inherent Process Induced Defects</i> Universal Technology Corporation \$50,778	Shalin, Valerie L. <i>Support for TAVERN (Task Analysis Visualization Environment Needs Requirements)</i> Charles River Analytics Inc. \$12,000	Cauley, Katherine L. <i>Sinclair Community College Matching Funds CY2016</i> Sinclair Community College \$32,000
Garber, Fred D. <i>Environmental Compensation Algorithms for Real-time Air Quality Sensors</i> Henry M. Jackson Foundation \$175,031	Rigling, Brian D. <i>Contested Environment Radio Frequency Exploitation and Research (CERFER)</i> Matrix Research & Engineering \$95,000	Johnson, Angela <i>The Impact of Young Adult Literature on Highly "At-Risk" Teenagers' Cognitive, Affective, and Aesthetic Responses</i> Assembly on Literature for Adolescents of NCTE (ALAN) \$1,500
McCarthy, Mark J. <i>Urgent Response to the Current Cyanobacterial Bloom in Lake Okeechobee: Community Ammonium Dynamics</i> University of Florida \$9,998	Van Meeveren, Stephanie Jean <i>Dayton Veterans Affairs Medical Center IPA Agreement</i> Veterans Affairs Medical Center \$34,382	

Saeed, Shehzad <i>Anti-TNF Monotherapy versus Combination Therapy with Low Dose Methotrexate in Pediatric Crohn's Disease (COMBINE)</i> University of North Carolina at Chapel Hill \$39,080	Cipollini, Donald F. <i>Host vs Alternate Host Tree Oviposition Attractants for Female Emerald Ash Borers</i> Pennsylvania State University \$45,000	Zhang, Wenfeng <i>Veterans Affairs Medical Center IPA Agreement</i> Veterans Affairs Medical Center \$9,297
Roberts, Rory A. <i>Design and Fabrication of an External Combustor for a JetCat Turbojet Engine</i> Universal Technology Corporation \$14,200	Lehrer, Douglas S. <i>Clozapine for Cannabis Use Disorder in Schizophrenia</i> Dartmouth College \$120,884	Hager, Faye <i>Dayton Veterans Affairs Medical Center IPA Agreement</i> Veterans Affairs Medical Center \$17,220
Davis, Stephanie <i>FY17 Alternative Teacher Preparation and Retention Grant</i> Ohio Department of Education \$25,000	Conway, Katharine M. <i>Refugee Centered Medical Home - PCMH Working Better for Our Newest Neighbors</i> Michigan Public Health Institute \$14,999	Cates, Elizabeth E. <i>Dayton Veterans Affairs Medical Center IPA Agreement</i> Veterans Affairs Medical Center \$10,671
Murray, Carol S. <i>Southeast Ohio Diabetes Survey</i> Ohio University \$40,571	Slilaty, Daniel C. <i>Algorithms on Generalized Networks</i> DoD, Defense Advanced Research Projects Agency \$99,620	Romer, Eric J. <i>Dayton Veterans Affairs Medical Center IPA Agreement</i> Veterans Affairs Medical Center \$14,838
Biesemeyer, Destinee N. <i>Transforming Campus Climate with Bystander Empowerment and Engagement</i> Ohio Department of Higher Education \$7,900	Schmitz, James L. <i>Extended Scene</i> Invertix Corporation \$29,925	Kemp, Michael <i>Veterans Affairs Medical Center IPA Agreement</i> Veterans Affairs Medical Center \$18,777
Warfield, Janeece <i>Children Matter! Montgomery County (CMMC) Project</i> Montgomery County ADAMH Services Board \$98,255	Yaklic, Jerome Lumetta <i>AUGS Quality Improvement and Outcomes Research Network</i> American Urogynecologic Society \$4,350	Biesemeyer, Destinee N. Rando, Robert A. <i>Initiative to Improve Quality and Access to Information and Services for Sexual Assault Victims</i> Ohio Office of the Attorney General \$156,550
Sahin, Ayse Arzu Littrell, Timothy Jason Kelly, Peggy Ann Wellinghoff, Lisa Jean Otto, Ray J. Farrell, Ann M. <i>Wright State University and Sinclair Community College Collaborative Co-Required Remediation Design</i> Ohio Department of Higher Education \$20,750	Duby, John C. <i>Practice Improvement to Address Adolescent Substance Use (PIAASU)</i> American Academy of Pediatrics \$50,000	Ritzi, Jr., Robert W. <i>Continuation of Ground Water Protection and Monitoring for Compliance with Zoning of Southwestern Quarry Operations for Xenia, Beavercreek, and Bath Townships in Greene County, Ohio</i> Cemex \$20,000

Fruth, Jason D. <i>Trauma-Informed Prevention in Bradford Schools</i> Bradford Exempted Village Schools \$20,611	Joo, Kimberly R. <i>Text Message Follow-Up Reminders in the Pediatric Urgent Care</i> National Association of Pediatric Nurse Practitioners \$3,500	Kozlowski, Gregory <i>Development of Robust Compact Sources for Alkali Atom Systems</i> Universal Energy Systems, Inc. \$35,500
Fruth, Jason D. <i>Ohio's Strategic Prevention Framework for Prescription Drugs (SPF Rx) - WSU</i> Ohio Department of Mental Health and Addiction Services \$317,375	Cortes, Tess <i>General Operating Support: Art Galleries</i> Ohio Arts Council \$6,677	Gallimore, Jennie J. <i>Alarm Tones</i> Center for Operator Performance \$24,038
Gentile, Julie P. <i>ID/MI Professorship for FY 2017</i> Montgomery County ADAMH Services Board \$30,000	Dockery, Jane L. Murray, Carol S. <i>Community Health Assessment Support to Greene, Miami, and Preble Counties</i> Greene County Combined Health District \$80,349	Gallimore, Jennie J. <i>Mental Models</i> Center for Operator Performance \$54,600
Weston, Christina G. <i>Child Psychiatric Placements</i> Montgomery County ADAMH Services Board \$75,000	Dockery, Jane L. <i>Madison County Community Health Improvement Plan</i> Madison County/London City Health District \$11,316	Swanson, Drew A. <i>Greene County Records Center and Archives Student Internship</i> Greene County Records Center and Archives \$5,000
Rooney, Thomas <i>Genetic Insight of Last Surviving Snow Leopard Population of Pakistan Employing Next Generation Sequencing for Its Improved Conservation and Management</i> Panthera Corporation \$20,000	Lorson, Kevin <i>Health and Opioid Abuse Prevention Education (HOPE) Curriculum</i> Ohio Department of Higher Education \$308,000	Huber, Mary Josephine <i>The Learning and Working During the Transition to Adulthood Rehabilitation Research and Training Center</i> University of Massachusetts Medical School \$16,201
Cho, Kwang-jin <i>K-Ras Plasma Membrane Interactions: A Tractable Therapeutic Target</i> DHHS, National Cancer Institute \$249,000	Gockel, Joy E. <i>Low Cost Manufacturing for Limited Production Aircraft Composite Structures</i> University of Dayton \$50,000	Dockery, Jane L. Murray, Carol S. <i>Collect, Research and Analyze Economic and Labor Market Data for the Area 7 Local Plan</i> Clark State Community College \$7,456
Gross, David C. <i>Test and Evaluation of Autonomous Systems (TEAS)</i> Ohio University \$587,508	Wu, Zhiqiang <i>C2PNT FRN Cycle II: Intelligent Channel Sensing</i> Ohio University \$292,676	Gentile, Julie P. <i>Residency Traineeship Program for Psychiatric Residents in Dual Diagnosis - MI/DD</i> Ohio Department of Developmental Disabilities \$30,000
	Black, Donerik G. <i>Small Business Development Center, FY2017</i> Ohio Development Services Agency \$221,000	Gallimore, Jennie J. <i>Training Systems</i> Center for Operator Performance \$48,531

Paliy, Oleg <i>CRISPR IGS Pilot Project</i> Ginkgo Bioworks \$32,297	Wanderi, Joy W. <i>National Meeting 2017</i> Global Ties U.S. \$550	Bihl, Ji Chen Chen, Yanfang Jacobs, Bradley S. <i>Therapeutic Role of miR-126 Over-Expressing EPC-MVs for Ischemic Stroke in Diabetes</i> American Diabetes Association - National \$115,000
Elbasiouny, Sherif M. <i>Brain-Computer Interfaces for Human-Autonomous Teaming (BCI-HAT)</i> Wright State Applied Research Corporation \$43,414	Fruth, Jason D. <i>Reward and Reminder</i> Drug-Free Action Alliance \$2,500	Lunsford, Suzanne K. Slattery, William <i>Partners In Integrated Earth Systems Science (PIES)</i> Ohio Department of Higher Education \$78,340
Gallimore, Jennie J. <i>ShadowBox Training II</i> Center for Operator Performance \$26,250	Paton, Sara J. <i>Epidemiologist and Office of the Health Commissioner Liaison</i> Public Health Dayton and Montgomery County \$69,689	Slattery, William Lunsford, Suzanne K. <i>Science Teaching for Ohio's New Economy (STONE)</i> Ohio Board of Regents \$62,989
Duby, John C. Simmons, Dionne M. <i>Kinship Navigator Consortium FY 2017</i> Montgomery County Department of Job and Family Services \$128,900	Ellison, Sylvia A. <i>Epidemiology Services</i> Public Health Dayton and Montgomery County \$38,096	McGowin, Audrey E. <i>Analysis of Anions in Glen Helen</i> Glen Helen \$460
Markey, Michael <i>Validation of Affymetrix Clariom S Arrays for Clinical Diagnostics</i> Ischemia Care, LLC \$1,414	Smith, Linda J <i>Breastfeeding Friendly Environment</i> Public Health Dayton and Montgomery County \$22,960	Kenyon, Lisa Orvik Boyd, Brian T. Kenyon, Len Farrell, Ann M. <i>Authentic In-Class Integration Of Reasoning And Content Support For Teachers</i> Ohio Board of Regents \$118,079
Dockery, Jane L. <i>Ohio Latino Affairs Commission Board Retreat</i> Ohio Commission on Hispanic/Latino Affairs \$1,500	Rogers, Nikki L. <i>Preventing Obesity, Diabetes , and Heart Disease and Stroke In Ohio Communities (Contract)</i> Public Health Dayton and Montgomery County \$88,041	Wischgoll, Thomas <i>Reactionary Assistance Support: Using Container Technology for Data Analytics on HPC Platforms</i> Engility Corporation \$74,407
Sucosky, Philippe <i>Identification and Assessment of Hemodynamic Predictors of Bicuspid Aortic Valve Aortopathy</i> American Heart Association - Great Rivers Affiliate \$76,999	Wilson, Josephine F. <i>East Dayton AWARE Project</i> Montgomery County ADAMH Services Board \$12,500	Holdheide, Sandi <i>Ohio Program for Campus Safety and Mental Health Collaborative Program Development Grant</i> Northeast Ohio Medical University \$4,000
Crites, Betsy Jo <i>Celina City Schools' FIRST LEGO League Jr. Program</i> For Inspiration and Recognition of Science and Technology \$2,400	Di Fulvio, Mauricio <i>Chloride-Regulated Insulin Secretion</i> American Diabetes Association - National \$115,000	



Harel, Assaf <i>The System for Assessing Complex Contextual Attention, and Dynamic Engagement (SACCADe)</i> Lockheed Martin Corporation \$184,400	Emmert, John M. <i>Initial Interface for Synthetic Test Generation Tool</i> EDActive Computing, Inc. \$40,000
Rigling, Brian D. Fogle, Orelle R. <i>Infrared Tracking</i> Etegent Technologies, Ltd. \$69,998	Klingbeil, Nathan W. <i>Ohio LSAMP Alliance</i> Ohio State University \$1,000
Gockel, Joy E. <i>A Biologically-Inspired Topological Design Tool for Addictive Manufacturing of Air Platform Structures</i> Adjoint Technologies \$12,500	Zhang, Xiaodong <i>REU Site: Undergraduate Research in Intelligent Autonomous Vehicles</i> National Science Foundation \$380,574
Ganapathy, Subhashini <i>Mission-Directed Learning Environment</i> Wright State Applied Research Corporation \$250,000	Rooney, Thomas <i>Baseline Inventory of Frogs and Frog Pathogens at Dairymen's</i> Dairymen's, Inc. \$5,940
Rigling, Brian D. <i>Distributed Passive Radar Networks for Target Detection in Non-Homogeneous Environments</i> Defense Engineering Corporation \$50,000	Wilson, Josephine F. <i>Stacked Decks versus Risky Business for a Universal Population of High School Youth</i> Dayton Urban Minority Alcoholism and Drug Abuse Outreach Program \$21,200
Cigrang, Jeffrey A. <i>"Up-Armoring" At-Risk Military Couples: A Prospective Study of Committed Romantic Relationships in Transition to Their First Permanent Duty Station</i> DoD, Air Force, Air Force Research Laboratory \$342,000	Travers, Jeffrey B. <i>Mice Care Laboratory Animal Resources</i> Veterans Affairs Medical Center \$5,142
Dustin, Jack L. <i>A Public Voice (APV 2017)</i> C.F. Kettering Foundation \$1,750	Mosier, Joylynn M. Hill, Sara Jane <i>Student Athlete Opportunity Funds 2015-2016</i> Horizon League \$182,177