

RESEARCH NEWS

Fall 2018 Vol. 49

DESPITE OVERALL DROP IN TOTAL FUNDING, WRIGHT STATE RESEARCHERS MAINTAIN SUPPORT FOR BASIC RESEARCH

During the previous fiscal year (FY2018) Wright State University recorded 402 awards for total funding of \$93,778,464, a drop of 6.5% over FY2017 in which the university recorded \$99,877,823 for 478 awards. Despite the decrease in totals, funding levels for basic research remained over \$29 million for the last two operating years.

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 offices located on the third floor of 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.

A LONG-TIME RESEARCH AND SPONSORED PROGRAMS EMPLOYEE SET TO “RETIRE,” JOURNEY TO KENTUCKY

It is the end of an era here in Research and Sponsored Programs! After more than 28 years at Wright State University, Glen Jones, Director of Post-Award, is retiring . . . in a sense. Some retirees head south for warmer weather and a beach house. Glen is heading south, not for R&R, but to begin a new position as Director, Sponsored Programs Financial Management, at the University of Louisville, starting on January 7, 2019.

As many of you are aware, Glen has been our “go to” person for all things related to the post-award administration of the University’s grants and contracts. During his tenure at the University, Glen has been extremely diligent in his duties, with financial oversight of external funding at the top of his list. Some may say that “diligent” is an understatement, as Glen’s long workdays are legendary. Glen worked in the Controller’s Office before he made the move to Research and

Sponsored Programs. Needless to say, he has had a unique blend of experiences at Wright State, which was surely a draw for the University of Louisville.

We hope that Glen will stay in touch over the coming months and years. As soon as we hear him say “y’all,” we will know that the transition is complete. Good luck, Glen!

IN THIS ISSUE...

<i>Technology Transfer</i>	2
<i>Sponsor Alerts</i>	3
<i>Pre Award News</i>	5
<i>Research Compliance News</i>	7
<i>List of FY2018 Awards</i>	9
<i>List of FY2019 Awards</i>	25

TECHNOLOGY TRANSFER IS ALIVE AND WELL!



Wright State's Office of Technology Transfer is alive and well! With the departure of the Director of Technology Transfer in August 2017, the Office of the Vice President for Research contracted for the "Small Office Services" program provided by TreMonti Consulting, LLC. The Office had previously used TreMonti for market assessments of disclosed inventions, so the relationship had already been successfully established.

As part of the TreMonti "Small Office Services" contract, we have retained the on-site services of a technology transfer consultant. Many of our University inventors, or prospective inventors, have already met Dr. Whitney Hough, who serves in this role. Whitney holds a Ph.D. in Chemistry and an MBA from the University of Alabama, and spent several years in the Office for Technology Transfer at the University of Alabama. Whitney is on campus every Wednesday and is otherwise available by telephone or e-mail on other business days.

Thanks to the efforts of our investigators and Whitney, Wright State invention disclosures for the first quarter of FY2019 are on the

rise. A total of nine disclosures were recorded for FY2018 and ten disclosures have been submitted for the first half of FY2019.

What can you, as an inventor, expect after submitting an invention disclosure form to the Office of Technology Transfer? Here are the general guidelines:

Acknowledgment

Within three business days of submission of the Invention Disclosure Form, the inventor will receive an acknowledgment and the invention's unique ID no.

Initial Review

This step is performed by the Office of Technology Transfer.

Inventor Interview

The Office of Technology Transfer staff will request a meeting to discuss the invention and potential commercialization opportunities and strategies.

Third Party Assessment

A third party will provide a commercial assessment of the technology, to be shared with the inventor upon completion (this step typically takes six weeks but accommodations can be made if an

expedited review is needed due to a pending publication or conference presentation).

Decision

Members of the University general counsel, research and technology transfer offices will meet to discuss the technology and assessment. The decision on how to proceed with the technology will be communicated to the inventor after the meeting.

Inventors are encouraged to work with the Office directly since any "public disclosures" may impact the University's ability to obtain broad intellectual property protection.

Feel free to contact the Office of Technology Transfer by email at: techtransfer@wright.edu with any questions regarding the University's process for receipt and evaluation of intellectual property or to receive a copy of the Invention Disclosure Form.

Ellen

A HELPFUL HINTS REMINDER: NIH PROPOSAL WRITING RESOURCES

The NIH website is a great resource and can provide guidance when writing a research grant application. Each of the sections detailed below can be accessed at the following link: <https://grants.nih.gov/grants/how-to-apply-application-guide.html> (unless another link is provided within the section).

How to Apply – Application Guide

You will use the application instructions (link above) 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.***

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).

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 link previously provided 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.

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.

Page Limits

Follow the attachment page limits specified in the link provided for your research application, unless otherwise specified in the FOA. The page limits for most forms sections are listed and are organized by activity code. ***Please note: the funding opportunity announcement (FOA) instructions AL-***

WAYS supersedes these page limits, so be sure to check the FOA for any exceptions.

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.

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>.

THE NIH SALARY CAP HAS INCREASED!

The NIH salary cap has changed from \$187,000 to \$189,600 effective January 7, 2018. See NOT-OD-18-137 for further details: <https://grants.nih.gov/grants/guide/notice-files/NOT-OD-18-137.html>

IMPORTANT UPDATES TO NSF'S PROPOSAL & AWARD POLICIES & PROCEDURES GUIDE (PAPPG), JANUARY 2019

As is customary for the National Science Foundation (NSF), the federal sponsor has issued a new Proposal and Award Policies Guide (PAPPG) for the start of the new year. Proposals submitted on or after January 28, 2019 are subject to the revised PAPPG which can be found at https://www.nsf.gov/pubs/policydocs/pappg19_1/nsf19_1.pdf. Wright State researchers submitting proposals to NSF should refer to this guide for complete submission instructions.

The following is a list of some of the significant changes closely related to proposal submission. Please refer to the above-referenced guide for all instructions and changes. A more expansive list of significant changes that also includes other clarifications and administrative changes can be found at the beginning of the PAPPG noted above.

Subawards, has been updated to clarify that the description of the work to be performed by the subaward must be included in the project description.

Proposal Font, Spacing and Margin Requirements, has been updated to specify that fonts not currently listed in the PAPPG may be used for mathematical formulas, equations, or when inserting Greek

letters or special characters.

Collaborators & Other Affiliations Information, has been updated to reflect changes made to the template required for all proposals since the template was originally released for use in 2017. (It is important to use the new form rather than just updating previous version.)

Biographical Sketch(es), has been updated to specify that the biographical sketch must be uploaded in FastLane as a single PDF file, or other NSF-approved template.

Synergistic Activities, has been revised to specify that a list should include up to five distinct examples that demonstrate the broader impact of the individual's professional and scholarly activities that focuses on the integration and transfer of knowledge as well as its creation. Examples with multiple components are not permitted.

Current and Pending Support, has been updated to specify that Current and Pending Support must be uploaded in FastLane as a single PDF file, or other NSF-approved template.

An Evolutionary, Fond Farewell to Fastlane!

Research.gov will become the replacement for FastLane, providing quick access to research information and grants management services, all in one location. As of Spring 2018, applicants have had the ability to submit non-collaborative, non-subaward inclusive proposals through Research.gov. Fastlane has been a great tool for submitting proposals to the National Science Foundation, but it will eventually be retired. Don't wait until the last minute to become familiar with Research.gov. If you feel your proposal is currently structured to be submitted through Research.gov, let your Pre Award Administrator know!

The Great Debate: Submitting Proposals Early vs. Submitting on the Deadline Day

There has been much discussion on whether there is an advantage to working up to the last minute and submitting your grant application on the deadline day versus submitting early. According to an article from the NIH in June of 2016, there was no advantage to last minute submissions. In fact, applications submitted at the last minute seemed somewhat less likely to be discussed.

Need another reason to apply early? NIH still sees more applications that fail to be completed in time for the due date, and as a result have to wait another round, months later to be considered for funding. For example, submitting at 4:45p.m. on a 5:00 p.m. deadline day, and an error occurs that needs fixed. If the proposal changes don't make it into eRA Commons before 5:00 p.m. your submission is considered late and you will need to try again next funding cycle.

When we look more closely at recent deadlines (2016 data), NIH states that for both R01 and small business deadlines, applications submitted for the first time on the due date are two to four times more likely to miss the submission deadline than those submitted a week or days in advance. Given the time and energy an investigator has put into a proposal, we feel that even one application missing a deadline is one too many, and yet we see the majority of applications being submitted to many sponsors from RSP on the deadline date, and more than we would like to admit within hours of the 5:00 p.m. deadline.

What can you do differently?

Follow the RSP policy which indicates that the applicant send RSP the complete proposal 2 business days prior to the submission deadline. While most errors can be addressed with a simple change,

the cause of many errors may take time to investigate to determine the issue. The fix may need to involve contacting InfoEd for changes, system issues at grants.gov/eRA Commons that cannot be fixed on our end, or fixing an eRA Commons profile.

Read and follow ALL sponsor instruction guides. It is critical to read the Program Announcement/Funding Opportunity Announcement instructions in detail. These instructions will also refer you to the main sponsor's application guide, which provides even further detail and clarification on what should be included in each attachment. Everything you need to know should be in these documents!

Track your application after submission. If possible, check sponsor web portals (such as eRA Commons) to make sure all errors are corrected and verify that your application has transmitted properly, specifically checking your charts and graphics.

Contact Us! Let your Pre-Award Administrator know if you have any questions in the application process. We are here to help simplify the submission process.

DON'T MISS THE DEADLINE!

Pre Award News, cont'd

BUDGET DEVELOPMENT: UPDATED FY2019 FRINGE BENEFITS RATES, REMINDER OF FACILITIES AND ADMINISTRATIVE COSTS (F&A)

New Fringe Benefits Rates for FY2019

As you develop a proposal budget, keep in mind that salary and fringe benefits rates will likely change over time, perhaps even annually. Such is the case with the University's fringe benefits for FY2019. The following annual rates became effective on July 1, 2018: full-time faculty (51% FTE or more), 33.3%; faculty – part-time, overload, summer, retirees, 16.5%; full-time unclassified (including hourly), 41.1%; part-time un/classified staff, 15.0%; full-time classified staff, 70.8%; and OPERS-covered students, 22%. 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>.

Facilities and Administrative Costs

As a reminder, the University's federally approved rates apply to a proposed 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

On-Campus Research	50%
On-Campus Instruction	50%
On-Campus Other Activity	37%
Off-Campus All Activities	26%

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>.

SPIN FUNDING OPPORTUNITY DATABASE

GAINING ACCESS IN A FEW EASY STEPS...

SPIN, the world's largest funding database, can assist you in the funding opportunity search process. Explore how you can use this tool for your project needs. For assistance navigating SPIN, contact your SPIN administrator, Dr. Deborah Lundin, at deborah.lundin@wright.edu or call ext. 2423.

GAINING ACCESS

1. Visit <https://rspgateway.wright.edu>.
2. Enter your Wright State University W ID and password at the WSU Central Authentication Service page
3. Click on "\$ Find Funding" at the top of the resulting page

BASIC SEARCH

A modern full-text search of entire records allows you to search for any component of an opportunity. For example:

- Opportunity title
- Sponsor name
- Field/Subject matter

Results can be further sorted, grouped, or filtered by the results grid column headers.

HUMAN SUBJECT RESEARCH: CHANGES TO THE COMMON RULE

The Common Rule is a federal policy regarding Human Subjects Protection that applies to 17 Federal agencies and offices. The main elements of the Common Rule include:

- ⇒ Requirements for assuring compliance by research institutions
- ⇒ Requirements for researchers' obtaining and documenting informed consent
- ⇒ Requirements for Institutional Review Board (IRB) membership, function, operations, review of research, and record keeping.

The Common Rule was substantially revised in 2017, and has been amended twice to delay the date that regulated entities must comply with the revised version of the rule. This version is known as the "revised Common Rule."

The revised Common Rule is effective July 19, 2018; note that from July 19, 2018 through January 21, 2019 institutions are not permitted to implement the entirety of the revised Common Rule. This is explained in the transition provision (45 CFR 46.101(I), as amended June 19, 2018).

The final rule establishes new requirements regarding the information that must be given to prospective research subjects as part of the informed consent process.

1. Removes the requirement to conduct continuing review of ongoing research for studies that undergo expedited review and for studies that have completed study interventions and are merely analyzing study.
2. Allows the use of broad consent (i.e., seeking prospective consent to unspecified future research) from a subject for storage, maintenance, and secondary research use of identifiable

private information and identifiable bio specimens.

3. Establishes new exempt categories of research based on their risk profile.
4. Creates a requirement for U.S. based institutions engaged in cooperative research to use a single IRB for that portion of the research that takes place within the United States, with certain exceptions.

OHRP (Office for Human Research Protections) offers six videos on the Revised Common Rule that provide additional information. The website link is - <https://www.hhs.gov/ohrp/education-and-outreach/revised-common-rule/revised-common-rule-videos/index.html>

The WSU IRB members are continuing to follow current regulations while meeting regularly to discuss the future implementation of the changes necessary for a smooth transition.

WRIGHT STATE UNIVERSITY INSTITUTIONAL REVIEW BOARD MEETING SCHEDULE SPRING 2019

Meeting Date	Deadline Date
January 28	January 7
February 25	February 4
March 18	February 25
April 15	March 25
May 20	April 29

Research Compliance News, cont'd

EXPORT CONTROL REGULATIONS: A PRIMER

“Export Controls” are a collection of federal regulations governing information and technology deemed sensitive for national security (economic and military) reasons. These regulations cover everything from weapons systems to dual-use technologies (both military and commercial purposes). An “export” can occur when a foreign national merely observes the sensitive information. Further, there are foreign policy restrictions that impact where Americans can travel and the activities they can undertake while in foreign countries.

A natural tension exists between export controls restrictions and the mission of higher education. Universities are known for the public dissemination of research results and novel discoveries. To reflect this, the largest exception to export controls is the performance of “fundamental research,” defined as:

Basic and applied research in science and engineering, the results of which ordinarily are published and shared broadly within the scientific community, as distinguished from proprietary research and from industrial development, design,

production, and product utilization, the results of which ordinarily are restricted for proprietary or national security reasons.

-National Security Decision Directive 189 (1985)

Where an institution accepts grants or contracts for sponsored research and those agreements come with export controls restrictions, pre-publication review, and/or foreign national hiring limitations those contractual terms are binding. Institutions may be able to negotiate the specific terms and the breadth of those terms prior to accepting the funding. A principal investigator is encouraged to carefully consider the impact of such restrictions on his/her research before agreeing to perform the work. Violations of export control regulations can result in loss of funding, monetary fines, and incarceration.

Wright State’s offices of Pre Award Services and Research Compliance work with investigators to negotiate overly restrictive contract clauses, explain the impact of any restrictions, and implement procedures to protect export-controlled information. Please contact us with any questions or concerns at exportcompliance@wright.edu.

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FY2018 AWARDS

*The grants and contracts on these pages were awarded from July 2017 through June 2018
Award amounts may reflect one or more years/increments.*

Boonshoft School of Medicine	Bihl, Ji Chen <i>Role of ACE2 Overexpressing Endothelial Progenitor Cells in Cerebral Hemorrhage</i> American Heart Association - National \$77,000	Cates, Elizabeth E. <i>Dayton Veterans Affairs Medical Center IPA Agreement</i> Veterans Affairs Medical Center \$38,761
Argumedo, Yira Milena Sulentic, Courtney E.W. <i>ISDP Travel Award</i> International Society for Developmental Psychobiology \$300	Binder, Stephen Bruce Carlson, Robert G. Richmond, Misty Bowman, Marjorie A. Reynolds, Peter L. Colon, Roberto J. <i>Accelerating Primary Care Transformation Wright (APCT-Wright)</i> DHHS, Health Resources and Services Administration \$579,095	Cho, Kwang-jin <i>K-Ras Plasma Membrane Interactions: A Tractable Therapeutic Target</i> DHHS, National Cancer Institute \$249,000
Baker-Nolan, Julie <i>Dayton Veterans Affairs Medical Center IPA Agreement</i> Veterans Affairs Medical Center \$83,424	Colon, Roberto J. Solomon, Glen D. <i>MEDTAPP Ohio Cardiovascular Disease Value Collaboration</i> Case Western Reserve University \$92,643	
Bihl, Ji Chen Chen, Yanfang Travers, Jeffrey B. <i>Microvesicles as a Novel Transmitter for UVB-Induced Bioactive Products</i> DHHS, National Institute of Arthritis and Musculoskeletal and Skin Diseases \$195,360	Binder, Stephen Bruce Bowman, Marjorie A. <i>Accelerating Primary Care Transformation Wright (APCT-Wright)</i> DHHS, Health Resources and Services Administration \$499,373	Conway, Katharine M. <i>Refugee Centered Medical Home - PCMH - Working Better for Our Newest Neighbors (Tier II)</i> Trailhead Institute \$25,000
Bihl, Ji Chen Chen, Yanfang <i>Exosomes from miR-primed endothelial progenitor cells for treating ischemic stroke</i> DHHS, National Institute of Neurological Disorders and Stroke \$328,125	Boivin, Gregory <i>Biopsy Study</i> Devicor Medical Products, Inc. \$8,684	Corbett, Adrian M. <i>Treatment of Neuopathic Pain with a Non-Addictive Drug Combination</i> Soin Neuroscience Inc. \$7,500
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	Broderick, Timothy J. Kadakia, Madhavi P. Raymer, Michael L. <i>Precision High Intensity Training through Epigenetics (PHITE)</i> DoD, Office of Naval Research \$1,492,059	Crawford, Timothy <i>2/2 Alcohol Associated Comorbidities and Microbiome Evaluation in HIV (ACME HIV)</i> University of Louisville \$16,894

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.

D'Amato, Josette <i>CTRA - POET</i> Bayer HealthCare Pharmaceuticals Inc. \$257,199	Dunn, Margaret M. <i>Ohio Innovation Partnership Choose Ohio First Scholarship Program</i> Ohio Department of Higher Education \$1,080,000	Ford, JoAnn <i>Enhancing ICS Project with Montgomery County Syringe Exchange Program</i> DHHS, Substance Abuse and Mental Health Services Administration \$45,456
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 \$581,500	Elased, Khalid M. <i>Molecular Imaging of RAS for the Discovery of Novel Biomarkers in Chronic Kidney Disease</i> Henry M. Jackson Foundation \$40,000	Gainer, Danielle 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
Daniulaityte, Raminta Sheth, Amit Nahhas, Ramzi Carlson, Robert G. <i>eDarkTrends: monitoring cryptomarkets to identify emerging trends of illicit synthetic opioids use</i> DHHS, National Institute on Drug Abuse \$184,658	Elbasiouny, Sherif M. <i>Identification of Electrophysiological Markers for Early Diagnosis of Amyotrophic Lateral Sclerosis</i> National Academy of Sciences \$37,204	Galloway, Michael <i>CTRA-LIBERTY1</i> Myovant Sciences Inc. \$123,220
Di Fulvio, Mauricio <i>Role of Slc12a5 in insulin secretion and glucose homeostasis</i> DHHS, National Institute of Diabetes and Digestive and Kidney Diseases \$131,250	Elbasiouny, Sherif M. <i>Integrated Sense, Assess and Augment (ISAA)</i> Wright State Applied Research Corporation \$149,922	Galloway, Michael <i>CTRA - SPIRIT 2</i> Myovant Sciences Inc. \$100,623
Di Fulvio, Mauricio <i>Chloride-Regulated Insulin Secretion</i> American Diabetes Association - National \$115,000	Elbasiouny, Sherif M. <i>Mechanisms Underlying Excitability Regulation of Motoneuron Types in ALS</i> DHHS, National Institute of Neurological Disorders and Stroke \$323,750	Gentile, Julie P. <i>Mental Illness - Intellectual Disability Residency Placements</i> Montgomery County ADAMH Services Board \$30,000
Duby, John C. <i>Kinship Navigator Consortium FY 2018</i> Montgomery County Department of Job and Family Services \$111,392	Ellison, Sylvia A. Smith, Linda J <i>Breastfeeding Institute at Wright State University (BIWSU)</i> Public Health Dayton and Montgomery County \$22,824	Gentile, Julie P. <i>Residency Traineeship Program for Psychiatric Residents in Dual Diagnosis - MI/DD</i> Ohio Department of Developmental Disabilities \$80,000
Dudley, Emily S. <i>Biopsy Study</i> Devicor Medical Products, Inc. \$19,074	Ford, JoAnn Wilson, Josephine F. <i>Integrated Continuum-of-Care Services (ICS) Project</i> DHHS, Substance Abuse and Mental Health Services Administration \$340,678	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
Dudley, Emily S. <i>Sinclair Training</i> Sinclair Community College \$2,670		

Gentile, Julie P. Cowan, Allison Harper, Bethany L. Mast, Ryan C. Merrill, Brian M. Gainer, Danielle M <i>Ohio's Telepsychiatry Project</i> Ohio Department of Developmental Disabilities \$225,000	Kinzeler, Nicole <i>Ohio SBIRT</i> Ohio Department of Mental Health and Addiction Services \$163,190	Mast, Ryan C. <i>Support for Director of Child and Adolescent Psychiatry</i> Ohio Department of Mental Health and Addiction Services \$35,000
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 \$207,057	Kinzeler, Nicole <i>Justice and Mental Health Collaboration Project</i> City of Sharonville, Ohio \$19,950	McCarthy, Mary C. <i>CTRA - OCTAPLEX</i> inVentiv Health Clinical \$92,825
Jarnot, Thomas F. <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 \$340,514	Knisely, Christina B <i>Veterans Affairs Medical Center IPA Agreement - Knisely</i> Veterans Affairs Medical Center \$32,133	Merrill, Brian M. <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
Kemp, Michael <i>Veterans Affairs Medical Center IPA Agreement - Kemp</i> Veterans Affairs Medical Center \$55,998	Kozak, Juliusz Ashot <i>TRPM7 and Cellular pH</i> DHHS, National Institute of Allergy and Infectious Diseases \$370,000	Nahhas, Ramzi <i>Ohio Opioid Analytics Project, RW Nahhas</i> Ohio State University \$5,521
Kemp, Michael <i>Veterans Affairs Medical Center IPA Agreement - Kemp</i> Veterans Affairs Medical Center \$55,596	Krishnamani, Rajan <i>CTRA - CONNECT-HF</i> Duke University \$13,226	Nevels, Dieter <i>NCI Award Under DCOP Fiscal Agency Agreement</i> Dayton Clinical Oncology Program \$936,120
Kinzeler, Nicole <i>Peer Movement Project (PMP)</i> DHHS, Substance Abuse and Mental Health Services Administration \$234,598	Leffak, I. Michael <i>Mechanisms of Microsatellite Instability in Human Disease</i> DHHS, National Institute of General Medical Sciences \$300,000	Nevels, Dieter <i>Primary Care Residencies</i> Ohio Department of Higher Education \$256,420
	Lehrer, Douglas S. <i>African Ancestry Genomic Psychiatry Cohort</i> Research Foundation for The State University of New York \$163,800	Nevels, Dieter <i>Family Practice Program</i> Ohio Department of Higher Education \$365,964
	Mast, Ryan C. <i>Child Psychiatric Placements</i> Montgomery County ADAMH Services Board \$75,000	Nevels, Dieter <i>Clinical Teaching Subsidy</i> Ohio Department of Higher Education \$2,860,830

Nevels, Dieter <i>Geriatric Medicine Program</i> Ohio Department of Higher Education \$70,863	Rapp, Christine M. <i>Dayton Veterans Affairs Medical Center IPA Agreement</i> Veterans Affairs Medical Center \$45,117	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 \$31,655
Nevels, Dieter <i>Miscellaneous Awards Under DCOP Fiscal Agency Agreement</i> Dayton Clinical Oncology Program \$46,420	Rapp, Richard C. <i>Comparing Interventions for Opioid Dependent Patients Presenting in Medical EDs</i> New York University School of Medicine \$50,064	Sahu, Ravi P. <i>Impact of platelet-activating factor in targeted therapy responses in melanoma</i> Elsa U. Pardee Foundation \$149,111
Paliy, Oleg <i>Understanding and Enhancing Rhizobium-Cereal Interactions</i> University of Wisconsin \$30,000	Rich, Mark M. Ladle, David R. <i>Synaptic Function: Effects of the Nerve Injury, and Altered Activity</i> Georgia Tech Research Corporation \$37,450	Simmons, Gordon R. <i>Dayton Veterans Affairs Medical Center IPA Agreement</i> Veterans Affairs Medical Center \$13,840
Paliy, Oleg <i>Intestinal Epithelial Cell Regulation of Allergic Inflammation at Distant Sites</i> Ohio State University \$10,000	Rich, Mark M. <i>Developing Therapy for Myotonia Congenita</i> Muscular Dystrophy Association \$85,120	Simmons, Gordon R. <i>Dayton Veterans Affairs Medical Center IPA Agreement</i> Veterans Affairs Medical Center \$8,967
Paliy, Oleg <i>CRISPR IGS Pilot Project</i> Ginkgo Bioworks \$29,689	Rich, Mark M. <i>Reduced Motoneuron Excitability in Sepsis</i> DHHS, National Institute of Neurological Disorders and Stroke \$651,455	Talbot, Ted <i>CTRA - EQUINOX</i> AbbVie Inc. \$216,212
Pascoe, John M. <i>Health Professions Affinity Community (HPAC): WSU</i> Ohio Department of Education \$99,443	Roman, Brenda <i>Wright Rural Health Initiative Implementation Proposal</i> HealthPath Foundation of Ohio \$100,000	Talbot, Ted <i>CTRA-M12-815 Fibroids</i> AbbVie Inc. \$14,985
Pascoe, John M. <i>Southwest Ohio HPAC Scholars' Day</i> HealthPath Foundation of Ohio \$1,000	Roman, Brenda <i>AHEC Support</i> Ohio Department of Higher Education \$244,004	Talbot, Ted <i>CTRA - M12-816</i> AbbVie Inc. \$15,000
Paton, Sara J. <i>Consulting Epidemiologist</i> Public Health Dayton and Montgomery County \$69,689	Romer, Eric J. <i>Dayton Veterans Affairs Medical Center IPA Agreement</i> Veterans Affairs Medical Center \$31,711	Thackeray, Jonathan D <i>2018 Ohio Medicaid Group VIII Study</i> Ohio State University \$16,500
Polenakovik, Hari M. <i>CTRA - STOP2</i> Seattle Children's Hospital \$56,057		

Towne, Bradford
Genetic Epidemiology of Ocular Health and Disease
University of Texas Rio Grande Valley
\$31,089

Towne, Bradford
Kadakia, Madhavi P.
Telomere Length Dynamics in Relation to Changes in Adiposity and Metabolic Risk
University of Texas Health Science Center at Houston
\$398,013

Travers, Jeffrey B.
Laboratory Animal Resources Care
Veterans Affairs Medical Center
\$19,200

Travers, Jeffrey B.
Wounding Therapy and Photocarcinogenesis
DHHS, National Institute on Aging
\$308,969

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

Williams, Amy R.
Veterans Affairs Medical Center IPA Agreement - Williams
Veterans Affairs Medical Center
\$25,128

Wilson, Josephine F.
Online VR Assessment and Service Protocol to Enhance Employment of Individuals Who Are Deaf
DHHS, Administration for Community Living
\$489,995

Wilson, Josephine F.
Sisterline: Substance Abuse Treatment and HIV Prevention for African-American Women at High Risk for HIV/AIDS in Montgomery County, OH
DHHS, Substance Abuse and Mental Health Services Administration
\$498,594

Wilson, Josephine F.
Stacked Decks versus Risky Business for a Universal Population of High School Youth
Dayton Urban Minority Alcoholism and Drug Abuse Outreach Program
\$21,200

Wilson, Josephine F.
45417 MHFA Project
Mt. Olive Baptist Church
\$12,500

Wilson, Josephine F.
Mental Health First Aid Training in Hamilton County
Mental Health America
\$12,500

Wilson, Josephine F.
East Dayton AWARE Project
Montgomery County ADAMH Services Board
\$12,500

Yaklic, Jerome Lumetta
CTRA - ASTEROID
Bayer HealthCare Pharmaceuticals Inc.
\$78,711

Zhang, Wenfeng
Veterans Affairs Medical Center IPA Agreement
Veterans Affairs Medical Center
\$35,096

College of Education and Human Services

Barlow, Cassie B.
Passport to the Future, Year 3
Ohio Department of Education
\$97,901

Bashir, Huma A
Community-level Response to the Opioid Crisis
McKinley Hall
\$6,000

Huber, Mary Josephine
The Learning and Working During the Transition to Adulthood Rehabilitation Research and Training Center
University of Massachusetts Medical School
\$15,064

Keferl, Joseph E.
Dayton Regional Science, Technology, Engineering, and Mathematics School Services Agreement
Dayton Regional Science, Technology, Engineering, and Mathematics (STEM) School
\$3,242,119

Lorson, Kevin
Huber, Mary Josephine
The Health and Opioid Prevention Education with Supports (HOPES) in Schools
Ohio Department of Higher Education
\$502,000

Patel, Nimisha
Expanding Prevention in Montgomery County Schools
Montgomery County ADAMH Services Board
\$539,914

Patitu, Carol Logan
Clark State Community College Internship 2017 - 2018
Clark State Community College
\$20,280

**College of Engineering and
Computer Science**

Bae, Harok <i>Probabilistic Design Criteria for Decision Making with Uncertainty</i> University of Dayton \$60,000	Bryant, Adam R. <i>Collaborative Research: Engaged Student Learning: Re-conceptualizing and Evaluating a Core Computer Science Course for Active Learning and STEM Student Success</i> National Science Foundation \$81,308	Chung, Soon M. Abdel-Latif, Hamza M. <i>Detection and Segmentation of Dynamic Human Signatures from Clustered LIDAR Streams</i> Dayton Area Graduate Studies Institute \$43,500
Bae, Harok Clark, Jr., Daniel L. <i>Stochastic Metamodeling for Design Validation</i> Dayton Area Graduate Studies Institute \$52,260	Bryant, Adam R. <i>Evaluating Trusted Systems Implementation</i> Transportation Research Center Inc. \$16,343	Chung, Soon M. Crossman, Nathaniel <i>Clustering and Visualization of Geotagged Text Data for Crisis Management</i> Dayton Area Graduate Studies Institute \$52,260
Bae, Harok Beachy, Atticus <i>Stochastic Metamodeling for Design Validation</i> Dayton Area Graduate Studies Institute \$52,260	Cao, Caroline <i>Development and Validation of a Virtual Airway Skill Trainer (VAST)</i> Rensselaer Polytechnic Institute \$83,510	Ciarallo, Frank W. <i>Quality Modeling and Process Improvements in Injection Molding</i> Caterpillar Trimble Control Technologies LLC \$21,800
Bae, Harok <i>Stochastic Metamodeling for Design Validation</i> Dayton Area Graduate Studies Institute \$15,372	Cao, Caroline Goswami, Tushar <i>Advanced Biomaterials Characterization Techniques at the Interface of Structural Biology and Materials</i> Dayton Area Graduate Studies Institute \$44,130	Doom, Travis E. <i>Updating Skeletal Maturity Methods for U.S. Children</i> University of Missouri \$24,938
Banerjee, Tanvi <i>Managing Dementia through a Multisensory Smart Phone Application to Support Aging in Place</i> DHHS, National Library of Medicine \$170,236	Cheatham, Michelle Andreen Shimizu, Cogan M <i>KAST – Knowledge Analytics using Semantic Technologies</i> Dayton Area Graduate Studies Institute \$52,260	Emmert, John M. <i>Design Framework and CAD Tools for Hardware Security and Trust</i> EDAptive Computing, Inc. \$45,000
Baudendistel, Craig M. Montavon, Jason <i>2018 SAE Mini Baja - Raider Racing</i> Ohio Space Grant Consortium \$5,000	Chen, Chien-In Henry Thompson, Joshua W. <i>Advanced Integrated Smart Cell Onboard Printed Electronics Development</i> Dayton Area Graduate Studies Institute \$52,260	Emmert, John M. <i>Planning IUCRC Wright State University: Center for Hardware and Embedded System Security and Trust (CHEST)</i> NSF, Industry/University Cooperative Research Grants \$15,000
Bourbakis, Nikolaos G. <i>A Holistic Automatic Deep Understanding and Protection of Technical Documents</i> DoD, Office of Naval Research \$165,000	Chen, Keke <i>An Open Cloud-based Platform for Extensible and Scalable Immune Repertoire Analysis in Immunization and Infection</i> ImmuDX LLC \$74,070	Emmert, John M. <i>Secure Engineering of Trusted Systems: Medical Android Tactical Assault Kit Sensor Integration (TO3)</i> EDAptive Computing, Inc. \$120,350

Emmert, John M. <i>Secure Engineering of Trusted Systems: Risk Awareness Framework for Infectious Disease (TO4)</i> EDAptive Computing, Inc. \$949,149	Gallimore, Jennie J. <i>Transitioning ShadowBox to the COP Community</i> Center for Operator Performance \$7,833	Hangartner, Thomas N. <i>Renal Osteodystrophy: A Fresh Approach</i> University of Kentucky \$5,512
Farajian, Amir Wirth, Lucas J <i>First Principles Calculations of Solution Hardening Kinetics</i> Dayton Area Graduate Studies Institute \$52,260	Ganapathy, Subhashini <i>Mission-Directed Learning Environment</i> Wright State Applied Research Corporation \$196,216	Hitzler, Pascal <i>Ontology Modeling for the Historic Slave Trade</i> Michigan State University \$46,473
Fendley, Mary E. Klingbeil, Nathan W. Gockel, Joy E. <i>In-Process Monitoring of Additive Manufacturing</i> Universal Technology Corporation \$150,000	Gockel, Joy E. <i>Additive Manufacturing R&D Involving Turbine Engine Low Cycle Fatigue Behavior for AFRL/RQTI Phase I/II/III</i> Universal Technology Corporation \$17,640	Huang, George <i>A Thermo-fluids Analysis of Aircraft Thermal Energy Management and Precision Airdrop</i> Dayton Area Graduate Studies Institute \$96,296
Fendley, Mary E. Baird, Isabelle C <i>Improving Analyst Performance through HITL Autonomy Training</i> Dayton Area Graduate Studies Institute \$44,130	Gockel, Joy E. Tatman, Eric <i>Fatigue Testing and Surface Characterization of a Structurally Relevant Test Coupon Built using Additive Manufacturing</i> Dayton Area Graduate Studies Institute \$44,130	Huang, Hong <i>Radio Frequency/Microwave Graphene-based Chemical/Biological Sensor</i> Universal Technology Corporation \$205,547
Gallagher, John C. <i>Autonomous Aerial Vehicles for Force Health Protection Response</i> Universal Energy Systems, Inc. \$59,200	Goswami, Tarun Brooks, Zachary E <i>Micro-Structured Devices for Nano-Particle Toxicity Screening</i> Dayton Area Graduate Studies Institute \$44,130	Huang, Hong <i>Two-dimensional Transition Metal Dichalcogenide Ceramics Synthesis</i> Azimuth Corporation \$18,000
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 \$99,756	Grandhi, Ramana V. <i>High-Fidelity Multi-Physics for Aerospace Vehicle Design Optimization</i> Dayton Area Graduate Studies Institute \$185,185	Huang, Hong <i>Improving Electrical and Mechanical Performances of Electrolyte Membranes for Flexible Solid-State Li-Ion Batteries</i> University of Dayton \$6,200
Gallimore, Jennie J. <i>Background Color II</i> Center for Operator Performance \$40,800	Grandhi, Ramana V. <i>Collaborative Research: A Cellworks Optimization Method for Air Vehicle Design</i> University of Hawaii at Manoa \$10,000	Huang, Hong <i>Electron Optics Analyses towards Fundamental Understanding of Functional Thin Film Materials and Devices</i> Universal Energy Systems, Inc. \$34,000
		Kashou, Nasser H. <i>Investigating the Neural Basis for Proximal Vergence of Eye Movements</i> Ohio State University \$120

<p>Klingbeil, Nathan W. Ohio LSAMP Alliance Ohio State University \$45,000</p>	<p>Rigling, Brian D. <i>Performance Understanding for Layered Sensing Exploitation: Valuable Insights Through Analysis of Layered Sensing</i> InfoSciTex \$75,000</p>	<p>Rigling, Brian D. Garber, Fred D. Saville, Michael Shaw, Arnab K. Wischgoll, Thomas Rizki, Mateen M. <i>SIRCUS TO2: Comprehensive Learning Objectives for Warfighter Needs (CLOWN)</i> DoD, Air Force, Air Force Research Laboratory \$1,426,191</p>
<p>Li, Sheng <i>Refinement of OSU's Scuffing Models for Lubricated Rough Surface Contacts of Rollers and Gears</i> Ohio State University \$60,000</p>	<p>Rigling, Brian D. <i>Collaborative Research: I/UCRC Center for Surveillance Research, Phase II</i> NSF, Industry/University Cooperative Research Grants \$87,200</p>	<p>Rigling, Brian D. Garber, Fred D. <i>Science, Technology and Research for Exploiting Sensor Systems (STRESS)</i> DoD, Air Force, Air Force Research Laboratory \$1,871,291</p>
<p>Mukhopadhyay, Sharmila M. <i>EAGER: Novel Bio-inspired 3D Hybrid Materials for Surface-Active Devices</i> National Science Foundation \$150,000</p>	<p>Rigling, Brian D. <i>Distributed Passive Radar Networks for Target Detection in Non-Homogeneous Environments</i> Defense Engineering Corporation \$74,000</p>	<p>Rigling, Brian D. Garber, Fred D. Saville, Michael Ash, Joshua Noel Wischgoll, Thomas Rizki, Mateen M. <i>Sensor and Information Research Center for Understanding Systems (SIRCUS)</i> DoD, Air Force, Air Force Research Laboratory \$1,690,000</p>
<p>Parikh, Pratik Parikh, Priti Ekeh, Akpofure P. <i>Refining the Definitions of Under and Over-Triage Rates</i> Ohio Department of Public Safety \$75,000</p>	<p>Rigling, Brian D. <i>Novel Signal Processing for Airborne Passive Synthetic Aperture Radar - Phase II SBIR</i> Systems & Technology Research \$23,000</p>	<p>Roberts, Rory A. Wolff, J. Mitch Butt, Nathaniel <i>Multiscale, Multiphysics, Multifidelity Modeling of Aircraft Power and Thermal Systems</i> Dayton Area Graduate Studies Institute \$44,130</p>
<p>Parikh, Pratik Parikh, Priti <i>Collaborative Research: Optimizing Trauma Care Network Design</i> National Science Foundation \$243,175</p>	<p>Rigling, Brian D. <i>Collaborative Center for Surveillance Research, Phase II</i> More Than One Source of Support \$175,000</p>	<p>Roberts, Rory A. Henz, Alexander <i>Multi-Fidelity Analysis Methods for Multidisciplinary Design Optimization</i> Dayton Area Graduate Studies Institute \$52,260</p>
<p>Raymer, Michael L. <i>Research and Development Analytics and Landscape Mapping to Improve and Accelerate Technology Transfer (WSARC_17_0053)</i> Wright State Applied Research Corporation \$17,500</p>	<p>Rigling, Brian D. Raymer, Michael L. Minnery, Brandon S. <i>C4ISR: Ohio Federal Research Network, Cycle II: Forward and Reverse Engineering Tool and Workforce Development, Human-Centered Big Data, and Persistent Location with Spectrum Sensing</i> Wright State Applied Research Corporation \$600,000</p>	
<p>Ren, Saiyu <i>Advanced Analog to Digital Converter (ADC) for GPS Receivers</i> RBS Technologies, LLC \$50,000</p>		

Roberts, Rory A. <i>Design and Fabrication of an External Combustor for a JetCat Turbojet Engine</i> Universal Technology Corporation \$12,500	Srinivasan, Raghavan <i>Microstructure Development During Rapid Solidification: A Materials Genome Project</i> Applied Optimization, Inc. \$14,700	Wolff, J. Mitch <i>Aeromechanical Investigation of Turbine Engine High Speed Compressors-Phase I/Phase II</i> Universal Technology Corporation \$13,230
Roberts, Rory A. <i>Power and Thermal Management System for Hypersonic Vehicles</i> Acumentrics SOFC Corp. \$156,914	Thomas, Scott Keith Lemmon, Samuel <i>SAE Aero Design</i> Ohio Space Grant Consortium \$3,087	Wolff, J. Mitch <i>Fan & Compressor 3-D Aerodynamics</i> Dayton Area Graduate Studies Institute \$29,630
Rosencrantz, Stephen D <i>Rapid Assessment of Structural Vulnerability SBIR AF161-031</i> Skyward, Ltd. \$79,044	Thomas, Scott Keith Wolff, J. Mitch <i>G-Load Test for Heat Pipes at AFRL for Raytheon</i> Universal Energy Systems, Inc. \$127,000	Wolff, J. Mitch Donovan, Molly H <i>Unsteady Aerodynamics in Low-Pressure Turbines</i> Dayton Area Graduate Studies Institute \$44,130
Sherwood, Matthew Scott <i>Alternate Tinnitus Management Techniques Developed Using Blood-Oxygen-Level-Dependent MRI with Neurofeedback</i> DoD, Air Force, Air Force Research Laboratory \$563,612	Wischgoll, Thomas <i>Reactionary Assistance Support for Container Technology</i> Engility Corporation \$22,500	Wu, Zhiqiang <i>EAGER: Bio-Inspired Low Probability of Detection Secure RF Waveform Design</i> National Science Foundation \$125,000
Sheth, Amit Thirunarayan, Krishnaprasad <i>SCH: INT: kHealth: A Semantic Approach to Proactive, Personalized Asthma Management Using Multimodal Sensing</i> DHHS, National Institute of Child Health and Human Development \$338,661	Wolff, J. Mitch <i>Aeromechanical Investigation of Turbine Engine High Speed Compressors</i> Universal Technology Corporation \$6,160	Wu, Zhiqiang <i>C2PNT FRN Cycle II: Intelligent Channel Sensing</i> Ohio University \$257,324
Sheth, Amit Thirunarayan, Krishnaprasad <i>Modeling Social Behavior for Healthcare Utilization and Outcomes in Depression</i> Cornell University \$186,480	Wolff, J. Mitch <i>Ohio Space Grant Consortium Campus Allocation Funds 16-17</i> Ohio Space Grant Consortium \$2,230	Wu, Zhiqiang <i>Travel reimbursement for C2PNT FRN Cycle II Intelligent Channel Sensing</i> Ohio University \$4,220
Slater, Joseph C. Loranger, Gabriel <i>Development of a Morphing Wing Control System using CFD Simulation and Machine Learning</i> Dayton Area Graduate Studies Institute \$44,130	Wolff, J. Mitch <i>Low Pressure Turbine 3-D Aerodynamics</i> Dayton Area Graduate Studies Institute \$37,036	Young, Henry Daniel <i>Optimization of an Overmolded Electronics Package Assembly</i> Caterpillar Trimble Control Technologies LLC \$21,800

Zhang, Junjie
Ganapathy, Subhashini
Saunders, Vance M.
*Training for Resilient Cyber Physical
Systems Design, Development, and
Testing*
Knowledge Based Systems, Inc.
\$111,355

Zhang, Junjie
Saunders, Vance M.
Xie, Jiafeng
*Center for Continuous Cybersecurity
Education & Training (C3ET)*
Ohio Department of Higher Education
\$278,306

Zhang, Junjie
Intelligent Modeling of Vehicle Firmware
Transportation Research Center Inc.
\$88,020

Zhuang, Yan
*Growth and Characterization of
Multiferroic Materials*
Azimuth Corporation
\$34,595

College of Liberal Arts

Cebulash, Glen
*General Operating Support: Art
Galleries*
Ohio Arts Council
\$6,906

Dockery, Jane L.
Murray, Carol S.
*OCTF Regional Surveys and Dashboard
Development*
Ohio Department of Job and Family
Services
\$104,663

Dockery, Jane L.
Murray, Carol S.
*Southwest Ohio Regional Prevention
Coordinator Proposal*
Ohio Department of Job and Family
Services
\$249,483

Dockery, Jane L.
Murray, Carol S.
*Supporting Accreditation of Ohio's Local
Health Departments*
Ohio Public Health Partnership
\$25,500

Dockery, Jane L.
*Facilitation Support to the Ohio Strong
Start to Finish Data Implementation
Forum Group*
Ohio Department of Higher Education
\$10,500

Fenton, Thomas
*University of Babylon Small Grant
Project*
International Research & Exchanges
Board
\$39,431

Lake, Crystal B.
*Vetusta Monumenta: A Digital, Scholarly
Edition*
University of Missouri
\$139,619

Long, Paula
*University Partnership Program Grant
for 2018-19*
Ohio Department of Job and Family
Services
\$246,500

Shannon, Vaughn
*Support for the Center for Liberal Arts
Student Success at Wright State
University*
Ohio Department of Higher Education
\$100,000

Swanson, Drew A.
*Greene County Records Center and
Archives Student Internship*
Greene County Records Center and
Archives
\$6,500

Swanson, Drew A.
*Greene County Records Center and
Archives Student Internship*
Greene County Records Center and
Archives
\$10,000

Swanson, Drew A.
*Greene County Records Center and
Archives Student Internship*
Greene County Records Center and
Archives
\$132

Wenning, Mary V.
Greene ESC
Greene County Educational Service
Center
\$168

College of Nursing and Health

Keister, Kathy
Farra, Sharon L.
*Development of a Scale to Measure
Synergy*
Sigma Theta Tau International
\$6,000

Poling, Deborah
Choose Ohio First Scholarship Program
Ohio Department of Higher Education
\$240,000

Smith, Sherrill Jeanne
*Military Medic Training and Nursing
Transition Course*
Ohio Department of Higher Education
\$1,163

Smith, Sherrill Jeanne
*Evaluation of Two Simulation Methods
Preparing Nurses for Disasters*
Association of Community Health
Nursing Educators
\$2,500

Smith, Sherrill Jeanne Farra, Sharon L. <i>Veteran Bachelor of Science in Nursing (VBSN)</i> DHHS, Health Resources and Services Administration \$316,716	Deibel, Jason A. Traxler, Adrienne L. <i>WSU Students ASK...A Success & Scholarship Program for Students Applying Scientific Knowledge</i> National Science Foundation \$997,589	Harel, Assaf <i>The Role of Dynamic Representational Networks in Expertise in Visual Scene Recognition</i> DoD, Office of Naval Research \$235,000
Ulrich, Deborah Lee Mellon, Molly Beth Franck, Lynn Farra, Sharon L. <i>West Ohio (Dayton Region) Medical Technology Consortium</i> Ohio Department of Higher Education \$204,223	Deibel, Jason A. <i>Broad Area Terahertz Frequency Spectroscopic Material State Awareness</i> BerrieHill Research Corporation \$8,500	Higgins, Steven R. <i>Development and Application of a Hydrothermal Atomic Force Microscope</i> Oak Ridge National Laboratory \$72,000
College of Science and Mathematics		
Bennett, Eric S. <i>Regulated Sialylation Modulates Cardiac Excitability and Conduction</i> University of South Florida \$15,179	Deibel, Jason A. Barton, Christopher C. Sharma, Amit Raj Tebbens, Sarah <i>Applications in Computational and Experimental Electromagnetics (ACE-EM)</i> Wright State Applied Research Corporation \$135,000	Juvina, Ion <i>Goal-driven Agile Teams and Environments (GATE)</i> Wright State Applied Research Corporation \$19,102
Brown, Elliott <i>Novel Oscillation and Amplification Circuits with Resonant Tunneling Diodes</i> National Science Foundation \$190,625	Deibel, Jason A. Sharma, Amit Raj <i>Applications in Computational and Experimental Electromagnetics (ACE-EM)</i> Wright State Applied Research Corporation \$100,073	Juvina, Ion Harel, Assaf <i>Lapses of Attention Predicted in Semi-Structured Ecological Settings (LAPSES)</i> DoD, Office of Naval Research \$208,000
Brown, Elliott <i>Contact-Free, Antenna-Free CW THz Optoelectronic Probe</i> University of Notre Dame \$13,421	Excoffon, Katherine Voss, Daniel T. Sharma, Priyanka <i>Prevention of Adenovirus Pathogenesis Through Downregulation of the Apical Adenovirus Receptor</i> DHHS, National Institute of Allergy and Infectious Diseases \$375,000	Juvina, Ion <i>Hybrid Forecasting Competition</i> Wright State Applied Research Corporation \$67,379
Brown, Elliott <i>LWIR and THz Frequency Generation with Quantum Dots</i> Clarkson Aerospace Corp \$25,000	Fox, Jane Lee <i>MAVEN Extended Mission for FY17-18</i> University of Colorado \$145,702	Kaminski, Jennifer A. <i>Facilitating Transfer of Mathematical Knowledge from Classroom to Real Life</i> Ohio State University \$192,586
		Kozlowski, Gregory <i>Advanced Optical Materials for Next Generation High Powered Lasers</i> Dayton Area Graduate Studies Institute \$52,260
		Leaman, Douglas <i>Immune Evasion in Aquatic Rhabdoviral Pathogens</i> University of Toledo \$148,600

Look, David C. <i>Defects and Dopants in Critical Wide Band Gap Semiconductors – ZnO, InGaZnO, Ga2O3 and ScN</i> National Science Foundation \$187,000	Newell, Silvia Elena <i>The Microcystis microbiome: Interactions in the cyanobacterial phycosphere</i> National Science Foundation \$150,000	Rude, Megan R Bahn, Volker <i>Determining behavior-specific habitat requirements and use of the endangered Myotis sodalis in the Wright State University woods</i> Ohio Biological Survey \$500
Look, David C. <i>Sample Analysis</i> Atomera Incorporated \$2,800	Newell, Silvia Elena <i>Characterizing Ammonium Dynamics Affecting Harmful Cyanobacterial Blooms in Lake Erie</i> Ohio State University \$33,174	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 \$144,596
Look, David C. <i>Thermally Stimulated Current Sample Analysis</i> Wyle Laboratories \$30,000	Pavel Sizemore, Ioana E. <i>MRI: Acquisition of a CytoViva System for Highly Interdisciplinary Research and Education in Nanoscience and Nanotechnology</i> National Science Foundation \$289,328	Schneider, Tamera <i>TAHMT Task Order 001</i> Systems Research and Applications International \$32,968
Look, David C. <i>Electrical and Optical Characterization</i> Wyle Laboratories \$503,887	Pollock, Sara <i>Regularized adaptive methods for classes of nonlinear partial differential equations</i> National Science Foundation \$32,848	Schneider, Tamera <i>Human-Centered Science Laboratory (HCSL) Support of AFRL Activities</i> Wright State Applied Research Corporation \$33,839
McCarthy, Mark J. <i>Sediment Nitrogen Dynamics in the Western Basin of Lake Erie Relative to Cyanobacteria Blooms</i> Ohio State University \$33,174	Romine, William L. <i>Strengthening Middle School Science and Health Education by Linking Grade-Level Inquiry and Reading of Complex Tasks</i> University of Missouri \$26,540	Shalin, Valerie L. <i>ASSET 3 Support</i> University of Maryland \$86,074
McGowin, Audrey E. <i>Analysis of Glen Helen Nature Preserve</i> Glen Helen \$420	Rooney, Thomas <i>Establishing a Scientific Basis for Garlic Mustard Control and Eradication on Private Lands</i> Dairymen's Foundation, Wisconsin \$8,000	Vadeboncoeur, Yvonne <i>From the Headwaters to the Littoral Zone: Using Attached Algae as Indicators of Ecosystem Impairment in the Great Lakes</i> Ohio State University \$32,994
McGowin, Audrey E. <i>Tracking Watershed Sources of Phosphorus Input to Caesar's Creek Lake Near the City of Wilmington Municipal Water Intake</i> Clinton Streamkeepers \$4,460	Rooney, Thomas <i>Dairymen's Natural Resources Stewardship</i> Dairymen's, Inc. \$6,962	Voss, Andrew A. <i>Determining if there is a Primary Myopathy in Huntington's Disease</i> DHHS, National Institute of Neurological Disorders and Stroke \$454,967
Medvedev, Ivan <i>Terahertz Spectroscopic Chemical Sensor for Analysis of Fatigued Human Breath</i> Universal Technology Corporation \$28,605		

Lake Campus

Jacquemin, Stephen James

Collection of Fish Tissue in Association with the Wright State University – Lake Campus Grand Lake St. Mary’s (Ohio) Fish Assemblage Monitoring Program

Wayne State University

\$5,472

Jacquemin, Stephen James

Nutrient and Sediment Retention Potential of Treatment Trains in Grand Lake St. Marys Watershed

St. Marys Community Foundation

\$62,646

Jacquemin, Stephen James

Nutrient and Sediment Retention Potential by Controlled Pond and Riparian Tile Buffer Systems

Ohio Environmental Protection Agency

\$5,300

Library

Shannon, Mandy

Identifying Impact: The Role of Library Research Appointments on Student Academic Achievement

Academic Library Association of Ohio

\$1,975

Raj Soin College of Business

Black, Donerik G.

The Ascend Program

Fifth Third Bank

\$50,000

Black, Donerik G.

Small Business Development Center, FY2018

Ohio Development Services Agency

\$195,057

Schiller, Shu

“Ask A Librarian” Live Chat Service: A Mixed Methods Research on the Service Styles of Professional Librarians and Student Workers

Ohio State University

\$3,000

Cigrang, Jeffrey A.

“Up-Arming” At-Risk Military Couples: A Prospective Study of Committed Romantic Relationships in Transition to Their First Permanent Duty Station

DoD, Air Force, Air Force Research Laboratory

\$416,000

Meyer, Cheryl

Research Evaluation Enhancement Projects (REEP) - IM HUB 18-11

Ohio Commission on Minority Health

\$50,000

Meyer, Cheryl

Research Evaluation Enhancement Projects (REEP) - MIH-18-38

Ohio Commission on Minority Health

\$75,000

Schultz, Michelle S.

Practicum Training: ADAMHS Board, FY2018

Montgomery County ADAMH Services Board

\$62,000

Schultz, Michelle S.

SOPP Practicum Training: Brief Therapy FY2018

Brief Therapy Center

\$42,000

Schultz, Michelle S.

SOPP Practicum: CHC of Greater Dayton FY2018

Community Health Centers of Greater Dayton

\$21,600

Schultz, Michelle S.

SOPP Practicum: Center for Adolescent Services FY2018

Center for Adolescent Services

\$9,000

Schultz, Michelle S.

SOPP Practicum: Central Clinic, Adult Services FY2018

Central Clinic

\$16,000

Schultz, Michelle S.

SOPP Practicum: CompDrug FY2018

CompDrug

\$8,320

Schultz, Michelle S.

SOPP Practicum: Hillcrest Academy FY2018

Hillcrest Academy

\$14,000

Schultz, Michelle S.

SOPP Practicum: Miami University FY2018

Miami University

\$7,400

Schultz, Michelle S.

SOPP Practicum: UD Counseling Center FY2018

University of Dayton

\$12,400

Schultz, Michelle S.

SOPP Practicum: Self Matters FY2018

Self Matters LLC

\$2,400

Schultz, Michelle S.
SOPP Practicum: Summit BHC FY2018
 Summit Behavioral Healthcare
 \$9,000

Schultz, Michelle S.
SOPP Internship: CompDrug FY2018
 CompDrug
 \$16,000

Schultz, Michelle S.
SOPP Internship: PHP Upper Valley Medical Center FY2018
 Premier Health Partners
 \$8,000

Schultz, Michelle S.
SOPP Internship: Eastway Behavioral Healthcare FY2018
 Eastway Behavioral Healthcare
 \$16,000

Schultz, Michelle S.
SOPP Internship: Dayton Children's Hospital FY2018
 Dayton Children's Hospital (Dayton)
 \$32,000

Schultz, Michelle S.
SOPP Internship: Summit BHC FY2018
 Summit Behavioral Healthcare
 \$16,000

Schultz, Michelle S.
SOPP Internship: Miami County Juvenile Court FY2018
 Miami County Juvenile Court
 \$8,000

Warfield, Janece
PECE-PACT: Parents Early Childhood Education/Positive Action Choices Training
 Montgomery County ADAMH Services Board
 \$69,288

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

Biesemeyer, Destinee N.
Building a Coordinated Community Response to Address Sexual Assault, Domestic Violence, Dating Violence, and Stalking Among College Students
 U.S. Department of Justice
 \$297,071

Biesemeyer, Destinee N.
 Rando, Robert A.
Expanding Quality and Access to Information and Services for Sexual Assault Victims
 Ohio Office of the Attorney General
 \$134,355

Brown, Joylynn M.
 Hill, Sara Jane
NCAA Special One-Time Distribution
 National Collegiate Athletic Association
 \$335,866

Brown, Joylynn M.
 Hill, Sara Jane
Student Athlete Opportunity Funds 2017-2018
 Horizon League
 \$125,675

Brown, Joylynn M.
 Hill, Sara Jane
Wright State Men's Basketball Improvement Fund FY2018
 Horizon League
 \$57,692

Dustin, Jack L.
A Public Voice (APV 2017)
 C.F. Kettering Foundation
 \$340

Hill, Sara Jane
Support for Infrastructure and Equipment Upgrades for Broadcasting Needs
 Horizon League
 \$75,000

Murray, Twila G
Wright State University Independent Scholars Network Raider Academy and Summer Mentoring Initiative for Summer 2018

Public Children Services Association of Ohio
 \$13,079

Student Affairs

University College

Littell, Timothy Jason
 Boaz, Matt
Lumina Talent Hub
 Sinclair Community College
 \$72,050

Universitywide

Barnhart, Amy
Supplemental Educational Opportunity Grant Program (SEOG) 2017/2018
 U.S. Department of Education
 \$395,380

Barnhart, Amy
Science, Mathematics, and Research for Transformation (SMART) Defense Scholarship Program 2017/2018
 American Society for Engineering Education
 \$54,918

Barnhart, Amy
PELL Grant Program 2016/2017
 U.S. Department of Education
 \$165,286

Barnhart, Amy
PELL Grant Program 2017/2018
 U.S. Department of Education
 \$18,239,395

Barnhart, Amy <i>Supplemental Educational Opportunity Grant Program (SEOG) 2018/2019</i> U.S. Department of Education \$451,207	Sudkamp, Thomas A. <i>Wright State Choose Ohio First Program</i> Ohio Department of Higher Education \$377,000	Sudkamp, Thomas A. <i>Travel Support for Perkins SCTAI/CT2 Compliance</i> Ohio Department of Higher Education \$5,000
Barnhart, Amy <i>PELL Grant Program 2018/2019</i> U.S. Department of Education \$1,459,092	Sudkamp, Thomas A. <i>Articulation and Transfer FY2017</i> Ohio Department of Higher Education \$6,000	<i>VP for Research and Dean of the Graduate School</i>
Barnhart, Amy <i>College Work Study Program</i> U.S. Department of Education \$1,908,820	Sudkamp, Thomas A. <i>Support for Position of Senior Associate Director, SCTAI, FY2018</i> Ohio Department of Higher Education \$99,604	Andersh, Dennis J. <i>Human Performance Center of Excellence</i> Ohio Development Services Agency \$1,125,000
Brun, Carl F. <i>Support for OCTANE Day</i> Ohio Department of Higher Education \$750	Sudkamp, Thomas A. <i>Support for Position of Associate Director, SCTAI, FY2018</i> Ohio Department of Higher Education \$87,549	Andersh, Dennis J. <i>Wright Brothers Institute Operations</i> Wright Brothers Institute, Inc. \$680,658
Brun, Carl F. <i>Tackling Transfer Regional Transfer Grant: Veterans Support</i> Ohio Association of Community Colleges \$3,000	Sudkamp, Thomas A. <i>Articulation and Transfer FY2018</i> Ohio Department of Higher Education \$1,112,323	Broderick, Timothy J. <i>Human Performance and Human Sciences: Ohio Federal Research Network; Cycle II: Motion Sickness Interactions with Spine Disorders (MOSSD) and Advanced Cognitive and Physical Sweat Biosensing</i> Wright State Applied Research Corporation \$899,748
Brun, Carl F. Hibner, Mark <i>Tackling Transfer Regional Transfer Grant: Articulation Agreements with Rhodes State Community College</i> Ohio Association of Community Colleges \$1,580	Sudkamp, Thomas A. <i>Choose Ohio First Continuing Scholar Program FY2018</i> Ohio Department of Higher Education \$380,000	Broderick, Timothy J. <i>Creating Surgical Capabilities for Exploration Space Flight</i> Baylor College of Medicine \$9,000
Martin, Bryan M. <i>GEAR UP Scholarship</i> Ohio Department of Higher Education \$14,950	Sudkamp, Thomas A. <i>Tackling Transfer: Workshops on Essential Transfer Practices for Two-and-Four-Year Colleges</i> Ohio Association of Community Colleges \$5,000	Cox, Michael T. <i>RI: Student Travel Program for the 2018 International Conference on Case-Based Reasoning</i> National Science Foundation \$10,000
Martin, Bryan M. <i>ACHIEVE: A Chance to Have and Improve the Experience and Value of Education</i> U.S. Department of Education \$182,081	Sudkamp, Thomas A. <i>Support for Implementing Guided Pathways Reform at Ohio's Public Colleges</i> Ohio Department of Higher Education \$40,725	Cox, Michael T. <i>Adaptive Goal-Driven Autonomous Agents</i> Lehigh University \$87,500

Gross, David C.
Interactions with Semi-Autonomous Remotely Piloted Aircraft (RPA)
DoD, Air Force, Air Force Research Laboratory
\$75,000

Gross, David C.
Test and Evaluation of Autonomous Systems (TEAS)
Ohio University
\$392,492

Gross, David C.
Travel Reimbursement for Test and Evaluation of Autonomous Systems
Ohio University
\$349

Gross, David C.
Interactions with Semi-Autonomous Remotely Piloted Aircraft (RPA)
DoD, Air Force, Air Force Research Laboratory
\$463,425

Gross, David C.
Interactions with Semi-Autonomous Remotely Piloted Aircraft (RPA)
DoD, Air Force, Air Force Research Laboratory
\$1,538,000

Gruenberg, James
Pre-Hospital Management of Special Pathogens/Infectious Disease Patients; Web- Based Continuing Education
City of Dayton
\$10,630

Minnery, Brandon S.
Harel, Assaf
Sherwood, Matthew Scott
Juvina, Ion
Lapses of Attention Predicted in Semi-Structured Ecological Settings (LAPSES)
DoD, Office of Naval Research
\$66,000

Minnery, Brandon S.
Maximizing the Collective Intelligence of a Network Using Novel Measures of Socio-Cognitive Diversity
DoD, Army Research Office
\$141,466

Minnery, Brandon S.
Revolutionary Intelligence and Influence Technologies (RIIT)
DoD, Air Force, Air Force Research Laboratory
\$1,447,018

Norell, Todd R.
Ohio MRC Leadership Conference
Ohio Department of Health
\$121,371

FY2019 AWARDS

*The grants and contracts on these pages were awarded from July 2018 through October 2018
Award amounts may reflect one or more years/increments.*

Boonshoft School of Medicine		
Bihl, Ji Chen	Ebert, James Ray	Ford, JoAnn
Chen, Yanfang	<i>Telomere Length Dynamics in Relation to Changes in Adiposity and Metabolic Risk</i>	<i>Day-TREE</i>
Travers, Jeffrey B.	University of Texas Health Science Center at Houston	DHHS, Substance Abuse and Mental Health Services Administration
<i>Microvesicles as a Novel Transmitter for UVB-Induced Bioactive Products</i>	\$26,229	\$540,463
DHHS, National Institute of Arthritis and Musculoskeletal and Skin Diseases	Ekeh, Akpofure P.	Ford, JoAnn
\$162,800	<i>CTRA - TEGG</i>	<i>Sisterline: Substance Abuse Treatment and HIV Prevention for African-American Women at High Risk for HIV/AIDS in Montgomery County, OH</i>
Binder, Stephen Bruce	INC Research LLC	DHHS, Substance Abuse and Mental Health Services Administration
Bowman, Marjorie A.	\$49,388	\$524,971
<i>Accelerating Primary Care Transformation Wright (APCT-Wright)</i>	Elbasiouny, Sherif M.	Gainer, Danielle M
DHHS, Health Resources and Services Administration	<i>The impact of neuromodulatory state on the excitability changes of motoneurons and the motor pool in ALS</i>	<i>Rural General Psychiatry</i>
\$100,000	DHHS, National Institute of Neurological Disorders and Stroke	Ohio Department of Mental Health and Addiction Services
Bowman, Marjorie A.	\$40,108	\$10,000
<i>Clinical Trial - TANGO</i>	Elbasiouny, Sherif M.	Gentile, Julie P.
inVentiv Health Clinical	<i>Integrated Sense, Assess and Augment (ISAA)</i>	<i>Mental Illness - Intellectual Disability Residency Placements</i>
\$11,510	Wright State Applied Research Corporation	Montgomery County ADAMH Services Board
Di Fulvio, Mauricio	\$51,953	\$30,000
<i>Role of Slc12a5 in insulin secretion and glucose homeostasis</i>	Elbasiouny, Sherif M.	Gentile, Julie P.
DHHS, National Institute of Diabetes and Digestive and Kidney Diseases	<i>Identification of Electrophysiological Markers for Early Diagnosis of Amyotrophic Lateral Sclerosis</i>	<i>Ohio's Coordinating Center of Excellence in Mental Health/Intellectual Disability</i>
\$131,250	National Academy of Sciences	Ohio Department of Mental Health and Addiction Services
Dudley, Emily S.	\$7,971	\$85,500
<i>Biopsy Study</i>		
Devicor Medical Products, Inc.		
\$10,501		

*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.*

Gentile, Julie P. <i>Residency Traineeship Program for Psychiatric Residents in Dual Diagnosis - MI/DD</i> Ohio Department of Developmental Disabilities \$80,000	Mast, Ryan C. <i>Child Psychiatric Placements</i> Montgomery County ADAMH Services Board \$75,000	Paul, Kimberly A. <i>Primary Care Residencies</i> Ohio Department of Higher Education \$256,420
Gentile, Julie P. Cowan, Allison Harper, Bethany L. Mast, Ryan C. Merrill, Brian M. Gainer, Danielle M <i>Ohio's Telepsychiatry Project</i> Ohio Department of Developmental Disabilities \$225,000	Merrill, Brian M. <i>Community General Psychiatry</i> Ohio Department of Mental Health and Addiction Services \$15,000	Paul, Kimberly A. <i>Family Practice Program</i> Ohio Department of Higher Education \$365,964
Jarnot, Thomas F. <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 \$95,000	Mott, Robert <i>CTRA - Inform CLL</i> Pharmacyclics LLC \$18,523	Paul, Kimberly A. <i>Miscellaneous Awards Under DCOP Fiscal Agency Agreement</i> Dayton Clinical Oncology Program \$16,805
Kinzeler, Nicole <i>Evaluation Services for Montgomery County Juvenile Court</i> Montgomery County Juvenile Court \$23,310	Nahhas, Ramzi <i>Ohio Opioid Analytics Project, RW Nahhas</i> Ohio State University \$44,873	Polenakovik, Hari M. <i>CTRA - TOUR</i> Theravance, Inc. \$2,500
Leffak, I. Michael <i>Mechanisms of Microsatellite Instability in Human Disease</i> DHHS, National Institute of General Medical Sciences \$120,000	Parikh, Priti Parikh, Pratik <i>Allocation of Trauma Resources in the State of Ohio: A Data Driven Approach for Current Assessment and Benchmarking</i> Ohio Department of Public Safety \$84,182	Reo, Nicholas V. <i>Metabolomics Analyses of Fecal Extracts in a 'Humanized' Microbiome Mouse Model of Toxicant Exposure</i> Henry M. Jackson Foundation \$96,054
Long, Weiwen <i>ERK3 Kinase Signaling in Lung Cancer</i> DHHS, National Cancer Institute \$338,550	Paul, Kimberly A. <i>NCI Award Under DCOP Fiscal Agency Agreement</i> Dayton Clinical Oncology Program \$783,697	Roman, Brenda <i>Wright Rural Health Initiative Implementation Proposal</i> HealthPath Foundation of Ohio \$80,000
Mast, Ryan C. <i>Child and Adolescent Psychiatry</i> Ohio Department of Mental Health and Addiction Services \$35,000	Paul, Kimberly A. <i>Clinical Teaching Subsidy</i> Ohio Department of Higher Education \$2,860,830	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 \$15,828
	Paul, Kimberly A. <i>Geriatric Medicine Program</i> Ohio Department of Higher Education \$70,863	Susuki, Keiichiro <i>Disruption of excitable axonal domains by glucose metabolite methylglyoxal</i> DHHS, National Institute of Neurological Disorders and Stroke \$390,200

Thackeray, Jonathan D <i>Clinical Consultant for SIM Self-Evaluation</i> Ohio State University \$27,516	Keferl, Joseph E. <i>Dayton Regional Science, Technology, Engineering, and Mathematics School Services Agreement</i> Dayton Regional Science, Technology, Engineering, and Mathematics (STEM) School \$3,677,486	Hitzler, Pascal <i>Toward Undifferentiated Cognitive Agents: Determining Gaps in Comprehension</i> DoD, Air Force Office of Scientific Research \$148,605
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 \$374,675	College of Engineering and Computer Science	
Travers, Jeffrey B. <i>Laboratory Animal Resources Care</i> Veterans Affairs Medical Center \$19,200	Bae, Harok <i>Probabilistic Design Criteria for Decision Making with Uncertainty</i> University of Dayton \$35,000	Huang, Hong <i>Electron Optics Analyses towards Fundamental Understanding of Functional Thin Film Materials and Devices</i> Universal Energy Systems, Inc. \$20,000
Welton, Randon S. <i>Adult General Psychiatry</i> Ohio Department of Mental Health and Addiction Services \$15,000	Banerjee, Tanvi <i>Managing Dementia through a Multisensory Smart Phone Application to Support Aging in Place</i> DHHS, National Library of Medicine \$171,298	Klingbeil, Nathan W. Goldstein, David L. <i>Ohio LSAMP Alliance</i> Ohio State University \$80,463
Xu, Yong-Jie <i>Signaling Mechanism of the DNA Replication Checkpoint</i> DHHS, National Institute of General Medical Sciences \$259,000	Ciarallo, Frank W. <i>Models of Component Demands from Fleets Supported by Reliability Information</i> MacAulay-Brown, Inc. \$101,250	Li, Sheng <i>Refinement of OSU's Scuffing Models for Lubricated Rough Surface Contacts of Rollers and Gears</i> Ohio State University \$60,000
College of Education and Human Services		
Huber, Mary Josephine <i>The Learning and Working During the Transition to Adulthood Rehabilitation Research and Training Center</i> University of Massachusetts Medical School \$9,113	Emmert, John M. <i>Design Framework and CAD Tools for Hardware Security and Trust</i> EDaptive Computing, Inc. \$120,000	Lieh, Jungshen <i>EPOC: Efficient Power Controller for Small Unmanned Air Vehicles</i> Intelligent Automation, Inc. \$45,000
	Farajian, Amir Pupysheva, Olga <i>A Combined Experiment-Multiscale Simulation Study of 2D Nanomaterials Liquid-phase Exfoliation</i> DoD, Air Force Office of Scientific Research \$91,055	Pei, Yong <i>Autonomous Remote Piloted Cirrus SR22 Aerial Surveillance Platform and Personnel Air Vehicle "Air Uber" System</i> Persistent Surveillance Systems \$10,000
		Pei, Yong <i>Collaborative Communication Interruption Management System (C-CIMS)</i> Ball Aerospace \$7,860

Raymer, Michael L. <i>Research and Development Analytics and Landscape Mapping to Improve and Accelerate Technology Transfer</i> Wright State Applied Research Corporation \$17,500	Rigling, Brian D. Garber, Fred D. Saville, Michael Shaw, Arnab K. Wischgoll, Thomas Rizki, Mateen M. <i>SIRCUS TO2: Comprehensive Learning Objectives for Warfighter Needs (CLOWN)</i> DoD, Air Force, Air Force Research Laboratory \$582,000	Sherwood, Matthew Scott <i>Cerebral Hemodynamic Studies of Hypoxia and Fatigue</i> DoD, National Naval Medical Center \$500,797
Rigling, Brian D. <i>Object Physics for Exploitation and Recognition Advancements (OPERA)</i> Leidos, Inc. \$25,000	Rizki, Mateen M. Rigling, Brian D. Garber, Fred D. <i>Environmental Compensation Algorithms for Real-time Air Quality Sensors</i> Universal Energy Systems, Inc. \$92,000	Sheth, Amit <i>BD Spokes: MEDIUM: MIDWEST: Collaborative: Community-Driven Data Engineering for Opioid and Substance Abuse in the Rural Midwest</i> National Science Foundation \$120,000
Rigling, Brian D. Garber, Fred D. <i>Science, Technology and Research for Exploiting Sensor Systems (STRESS)</i> DoD, Air Force, Air Force Research Laboratory \$308,030	Roberts, Rory A. Ellicott, Andrew <i>Development of a Vehicle Level Integration Tool for Aircraft Energy Management</i> Dayton Area Graduate Studies Institute \$15,360	Sheth, Amit <i>Modeling Social Behavior for Healthcare Utilization and Outcomes in Depression</i> Cornell University \$29,958
Rigling, Brian D. <i>Performance Understanding for Layered Sensing Exploitation: Valuable Insights Through Analysis of Layered Sensing</i> InfoSciTex \$100,000	Roberts, Rory A. Lautzenhiser, Margaret R <i>Multi-Fidelity Analysis Methods for Multidisciplinary Design Optimization</i> Dayton Area Graduate Studies Institute \$52,260	Sheth, Amit <i>SCH: INT: kHealth: A Semantic Approach to Proactive, Personalized Asthma Management Using Multimodal Sensing</i> DHHS, National Institute of Child Health and Human Development \$295,924
Rigling, Brian D. Garber, Fred D. Saville, Michael Ash, Joshua Noel Wischgoll, Thomas Rizki, Mateen M. <i>Sensor and Information Research Center for Understanding Systems (SIRCUS)</i> DoD, Air Force, Air Force Research Laboratory \$85,500	Roberts, Rory A. <i>Compact Thermal Management System for Laser Systems</i> Spectral Energies, LLC \$50,000	Sheth, Amit <i>Modeling Social Behavior for Healthcare Utilization and Outcomes in Depression</i> Cornell University \$178,192
	Roberts, Rory A. <i>Design and Fabrication of an External Combustor for a JetCat Turbojet Engine</i> Universal Technology Corporation \$2,273	Sucosky, Philippe <i>Shear forces regulate endothelial and fibroblast cross talk via inflammation to produce fibrosis</i> Rice University \$69,504
		Sucosky, Philippe <i>Identification and Assessment of Hemodynamic Predictors of Bicuspid Aortic Valve Aortopathy</i> American Heart Association - Great Rivers Affiliate \$76,998

Thomas, Scott Keith
Phillipp, Michael J
Analysis of Requirement or Specification of a Rotational Stage for the Centrifuge Table at AFRL

Ohio Space Grant Consortium
\$6,000

Wischgoll, Thomas
Dynamic Collaborative Visualization Ecosystem (DynaCoVE)

Universal Technology Corporation
\$30,000

Wischgoll, Thomas
Saunders, Vance M.
CEnter for Virtual and Cyber-Physical Systems

Ohio Department of Higher Education
\$590,348

Wolff, J. Mitch
Ohio Space Grant Consortium Campus Allocation Funds 18-19

Ohio Space Grant Consortium
\$2,200

Wolff, J. Mitch
Ohio Space Grant Consortium Undergraduate Scholarship - 2018-2019

Ohio Space Grant Consortium
\$8,000

Wolff, J. Mitch
Aeromechanical Investigation of Turbine Engine High Speed Compressors-Phase I/Phase II)

Universal Technology Corporation
\$12,933

Wu, Zhiqiang
Travel reimbursement for C2PNT FRN Cycle II Intelligent Channel Sensing

Ohio University
\$765

Yang, Zifeng
Blood Flow Velocimetry Using Digital Subtraction Angiography

Radiation Monitoring Devices, Inc.
\$127,491

Young, Henry Daniel
Srinivasan, Raghavan
Support for ASM International Teacher's Materials Camp in the Dayton Metro Region

DoD, Air Force Office of Scientific Research
\$12,600

Zhang, Junjie
Ganapathy, Subhashini
Saunders, Vance M.
Training for Resilient Cyber Physical Systems Design, Development, and Testing

Knowledge Based Systems, Inc.
\$113,303

Zhang, Xinhui
Jewelry and watch retail auction data analytics and marketing design

Peden Consulting
\$120,000

College of Liberal Arts

Dockery, Jane L.
Murray, Carol S.
OCTF Regional Surveys and Dashboard Development

Ohio Department of Job and Family Services
\$7,767

Dockery, Jane L.
Murray, Carol S.
Southwest Ohio Regional Prevention Coordinator Proposal

Ohio Department of Job and Family Services
\$465,428

Dockery, Jane L.
Murray, Carol S.
Greene County Juvenile Court RECLAIM: Evaluation and Quality Assurance Project

Greene County Juvenile Court
\$39,916

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

Northwest State Community College
\$8,802

Dockery, Jane L.
Murray, Carol S.
Southwest Ohio Regional Prevention Coordinator Proposal

Ohio Department of Job and Family Services
\$650,500

Hall, Ashley Elizabeth
Writing Experience and Outcomes of Dual Enrollment Writing Students: A State-Wide Study

Council of Writing Program Administrators
\$3,800

College of Nursing and Health

Eustace, Rosemary
Pilot Testing of the PEERS PLUS Intervention for At-risk Beginning Baccalaureate Nursing Students

Ohio Council of Deans and Directors
\$2,000

Fowler, Barbara A.
Workforce and Leadership Development of U.S. Minority Nurses in Public Health Departments

American Nurses Foundation
\$5,000

Smith, Sherrill Jeanne
Military Medic Training and Nursing Transition Course

Ohio Department of Higher Education
\$2,800

**College of Science and
Mathematics**

Arumugam, Kuppuswamy

*Dual Targeting Redox-active Gold(I)
Complexes*

DHHS, National Institute of General
Medical Sciences

\$462,195

Bennett, Kevin B.

*Cross Validation of the FAA Standard
Color Palette and Development of
Guidelines for Testing Displays: Phase II*

U.S. Department of Transportation,
Federal Aviation Administration

\$33,896

Brown, Elliott

*EAGER Collaborative: >100 GHz
Optical Clocking using Self-Modulation
of Co-Tunneling Light Emitters*

National Science Foundation

\$90,000

Cipollini, Donald F.

*The extent of attack, determinants of
susceptibility, and tolerance of cultivated
olive, *Olea europaea* to emerald ash
borer*

U.S. Department of Agriculture

\$67,058

Excoffon, Katherine

Voss, Daniel T.

Sharma, Priyanka

*Prevention of Adenovirus Pathogenesis
Through Downregulation of the Apical
Adenovirus Receptor*

DHHS, National Institute of Allergy and
Infectious Diseases

\$375,000

Fox, Jane Lee

MAVEN Extended Mission Phase E

University of Colorado

\$30,000

Hammerschmidt, Chad R.

*Knauss Marine Policy Fellowship
Application*

Ohio State University

\$61,500

Juvina, Ion

*Lapses of Attention Predicted in Semi-
Structured Ecological Settings (LAPSES)*

DoD, Office of Naval Research

\$25,164

Kaminski, Jennifer A.

*Intelligent Diagnostic Assessment
Platform for School Statistics Education*

University of Notre Dame

\$54,617

Leaman, Douglas

*Reducing Impacts of Disease on Salmonid
Aquaculture Production*

University of Toledo

\$144,000

McCarthy, Mark J.

*Maumee River sediments as a nitrogen
source or sink to Lake Erie: The
competing roles of ammonium recycling
and denitrification*

Ohio State University

\$39,998

McCarthy, Mark J.

Newell, Silvia Elena

Nitrate/Nitrite Analytical Services

Finger Lakes Institute

\$3,550

Medvedev, Ivan

*Terahertz Spectroscopic Chemical Sensor
for Analysis of Fatigued Human Breath*

Universal Technology Corporation

\$8,500

Newell, Silvia Elena

*Nitrification in Three Eutrophic Lakes:
The search for new nitrifiers that thrive
under extreme competition*

Eppley Foundation for Research, Inc.

\$14,999

Pollock, Sara

*Regularized adaptive methods for classes
of nonlinear partial differential equations*

National Science Foundation

\$42,950

Rooney, Thomas

*Establishing a Scientific Basis for Garlic
Mustard Control and Eradication on
Private Lands*

Dairymen's Foundation, Wisconsin

\$9,000

Rua, Megan A.

*Improving soil health to increase plant
production and quality on dredged
material*

Ohio Environmental Protection Agency

\$49,990

Schneider, Tamara

*Intergovernmental Personnel Act (IPA)
assignment of Dr. Tamara Schneider from
Wright State University to the National
Science Foundation*

National Science Foundation

\$152,490

Slattery, William

*Ohio Mining and Mineral Education
Program*

Ohio Mining & Mineral Education
Program

\$14,250

Tsang, Pamela S.

*Support for the 20th International
Symposium on Aviation Psychology*

National Science Foundation

\$27,142

Wang, Jinju

Bihl, Ji Chen

*The regulatory effect of exercise on
circulating EPC-EXs and its implication
in ischemic stroke*

American Heart Association - National

\$54,316

Wissman, Amy
 Rouhana, Luara V
Culture Clash: An Alternative Model for Microbiology Instruction
 American Society of Clinical Pathology
 \$2,500

Library

VandenBos, Toni
 Dewey, Dawne
Conservation Treatment of Wright Brothers Collection Artifacts
 State Library of Ohio
 \$4,999

Multicultural Affairs and Community Engagement

Boaz, Matt
Ohio/Western Pennsylvania/West Virginia HERC Consortium 2018-2019
 Ohio/Western Pennsylvania/West Virginia Higher Education Recruitment Consortium
 \$84,754

Raj Sooin College of Business

Traynor, Thomas L.
Short Term Certificate Grant Program
 Ohio Department of Higher Education
 \$50,000

School of Professional Psychology

Cigrang, Jeffrey A.
Lesbian, Gay, and Bisexual Couples in the Military: A Post-DADT Examination of Relationship Health, Perceived Community Acceptance, and Mission Readiness
 Army Medical Research Acquisition Activity
 \$1,053,094

Meyer, Cheryl
Research Evaluation Enhancement Projects (REEP) - MIH-19-38
 Ohio Commission on Minority Health
 \$75,000

Schultz, Michelle S.
SOPP Practicum: CHC of Greater Dayton FY2019
 Community Health Centers of Greater Dayton
 \$18,000
 Schultz, Michelle S.
SOPP Practicum: Center for Adolescent Services FY2019
 Center for Adolescent Services
 \$9,000

Schultz, Michelle S.
SOPP Practicum: Kline and Associates FY2019
 Kline and Associates
 \$2,500
 Schultz, Michelle S.
SOPP Practicum: Miami University FY2019
 Miami University
 \$7,400

Schultz, Michelle S.
SOPP Practicum: South Community MHC FY2019
 South Community Mental Health Center
 \$24,000

Schultz, Michelle S.
SOPP Practicum: Court Clinic Site FY2019
 Central Clinic
 \$9,000
 Schultz, Michelle S.
SOPP Practicum: Self Matters FY2019
 Self Matters LLC
 \$2,400

Schultz, Michelle S.
SOPP Practicum: UD Counseling Center FY2019
 University of Dayton
 \$12,400

Schultz, Michelle S.
SOPP Practicum: Summit BHC FY2019
 Summit Behavioral Healthcare
 \$9,000

Schultz, Michelle S.
SOPP Practicum: CompDrug FY2019
 CompDrug
 \$8,320

Schultz, Michelle S.
SOPP Practicum: Central Clinic FY2019
 Central Clinic
 \$16,000

Schultz, Michelle S.
SOPP Practicum: Children's Hospital Medical Center - Center for ADHD FY2019
 Children's Hospital Medical Center (Cincinnati)
 \$30,000

Warfield, Janeece
PECE-PACT: Parents Early Childhood Education/Positive Action Choices Training
 Montgomery County ADAMH Services Board
 \$69,288

Student Affairs

Brown, Joylynn M.
 Hill, Sara Jane
Student Athlete Opportunity Funds 2018-2019
 Horizon League
 \$227,510

Brown, Joylynn M.
 Hill, Sara Jane
Wright State Men's Basketball Improvement Fund FY2019
 Horizon League
 \$119,167

Dustin, Jack L.
Analysis of ED/GE and Alternative Program Options
 Montgomery County Community Development Office
 \$5,000

Noss, Bob J
 Hill, Sara Jane
CoSIDA's Phil Langan Graduate Internship Grant
 College Sports Information Directors of America
 \$15,000

Steele-Middleton, Amanda
FY18 Exploration Project
 Ohio Department of Higher Education
 \$1,920

Universitywide

Barnhart, Amy
Science, Mathematics, and Research for Transformation (SMART) Defense Scholarship Program 2018/2019
 Logistics Management Institute
 \$144,354

Barnhart, Amy
PELL Grant Program 2017/2018
 U.S. Department of Education
 \$642,385

Barnhart, Amy
PELL Grant Program 2018/2019
 U.S. Department of Education
 \$8,595,158

Brun, Carl F.
Support for OCTANE Activities
 Ohio Department of Higher Education
 \$1,250

Martin, Bryan M.
GEAR UP Scholarship
 Ohio Department of Higher Education
 \$13,450

Martin, Bryan M.
ACHIEVE: A Chance to Have and Improve the Experience and Value of Education
 U.S. Department of Education
 \$194,816

Sudkamp, Thomas A.
Articulation and Transfer FY2018
 Ohio Department of Higher Education
 \$12,700

Sudkamp, Thomas A.
Supportive Effort for the Ohio Department of Higher Education's Carl D. Perkins Grant
 Ohio Department of Higher Education
 \$3,609

Sudkamp, Thomas A.
Articulation and Transfer FY2019
 Ohio Department of Higher Education
 \$1,127,079

Sudkamp, Thomas A.
MHEC Travel Support for Jared Shank, September 2017
 Ohio Department of Higher Education
 \$785

Sudkamp, Thomas A.
Wright State Choose Ohio First Program
 Ohio Department of Higher Education
 \$565,500

Sudkamp, Thomas A.
Choose Ohio First Continuing Scholar Program FY2019
 Ohio Department of Higher Education
 \$220,000

VP for Research and Dean of the Graduate School

Broderick, Timothy J.
 Kadakia, Madhavi P.
 Raymer, Michael L.
Precision High Intensity Training through Epigenetics (PHITE)
 DoD, Office of Naval Research
 \$1,499,917

Broderick, Timothy J.
Creating Surgical Capabilities for Exploration Space Flight
 Baylor College of Medicine
 \$19,880

Cox, Michael T.
Adaptive Goal-Driven Autonomous Agents
 Lehigh University
 \$100,000

Gross, David C.
Interactions with Semi-Autonomous Remotely Piloted Aircraft (RPA)
 DoD, Air Force, Air Force Research Laboratory
 \$594,075