



Research and Sponsored Programs
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Dayton, OH 45435

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Date: April 8, 2022

To: Daniel Palmer

From: Marianne Shreck

RE: April 2022 Board of Trustees Report

Research and Sponsored Programs has been asked to provide a statement for the minutes of the February 2022 Board of Trustees meeting to accompany our report of “Grants and Contracts Awarded.” Please use the following text, and edit as necessary to fit the space available:

Wright State University has recorded 248 awards totaling \$48,932,523 in external funding for the time period of July 1, 2021 – March 31, 2022.

Recent funding received by the University includes \$265,000 from UES, Inc. (Prime Sponsor: U.S. Air Force/AFRL) to Dr. Youg Pei (Computer Science department), to develop enhanced analytical techniques for human performance sensing data with a focus on large, complex, problematic datasets that are not amenable to standard analytical methods.

If you have any questions, please contact me at ext. 2297.

Thank you,
Marianne Shreck

Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAV.A.LANG.OBJECT;@4863923B Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| PI / Key personnel | Title / Sponsor (Key personnel / Abstract) | Project number / Grant numbers | Sponsor amount | Period | Date award submitted / Date awarded |
|--|--|-----------------------------------|--------------------|-----------------------------|--|
| College of Science & Mathematics (COSM) | | 28 | \$2,161,364 | | |
| Biological Sciences (BIO55) | | 5 | \$506,283 | | |
| Rua, Megan Arlene | Evaluating Plant Growth on Sediments Dredged from the Black River <i>Coldwater Consulting LLC / Industry</i> | 21-0250 Subcontract 671331 | \$3,314 | Apr 1, 2021 Dec 31, 2021 | Jul 27, 2021 Jul 22, 2021 |
| The researchers will determine the ratio of dredged sediments to agricultural soil to create suitable and marketable beneficial reuse products from typical Black River dredged sediment. | | | | | |
| Voss, Andrew Alvin, PhD | Impact of Rad-mediated Inhibition of Cav1.1 on Muscle Composition and Contractile Function <i>University of Maryland / Educational institutions</i> | 19-0229 Subcontract 671253 | \$45,000 | Jun 1, 2021 May 31, 2022 | Aug 19, 2021 Aug 12, 2021 |
| The purpose of this project is to investigate the broader consequences of elevated Rad expression in skeletal muscle. | | | | | |
| Kolawole, Dr Ola (Abimbola), PhD | Dormitory Wastewater Monitoring of SARS-CoV-2 at Wright State University <i>Ohio State University / Educational institutions</i> | 21-0332 Subcontract 671406 | \$391,429 | Jul 1, 2021 Jun 30, 2022 | Sep 2, 2021 Aug 24, 2021 |
| The purpose of this project is to determine the presence of coronavirus in wastewater from student halls of residence at WSU campuses. The results will be used as a measure of the virus outbreak on the campus. | | | | | |
| Rua, Megan Arlene | The Tree Microbiome Project: At the Root of Climate Proofing Forests <i>New Zealand Forest Research Institute Limited, trading as Scion / Foreign</i> | 21-0163 Subcontract 671355 | \$40,000 | Oct 1, 2021 Sep 30, 2022 | Feb 4, 2022 Jan 24, 2022 |
| The researchers will develop a tree root microbiome model to develop and test how the microbes can influence its physical properties or phenotype. | | | | | |
| Romine, William | Strengthening Middle School Science and Health Education by Linking Grade-Level Inquiry and Reading of Complex Tasks <i>University of Missouri / Educational institutions</i> | 16-0540 Subcontract 670650 | \$26,540 | Sep 1, 2021 Aug 31, 2022 | Mar 23, 2022 Mar 9, 2022 |
| The project will integrate science- and health-based text sets into middle school science and English classes, and evaluate their impact on students' ability to comprehend text as well as their motivation to read about science and pursue science careers. This project will also include professional development for teachers, and evaluation of how teachers' practices change as a result of implementing the text sets. | | | | | |
| Chemistry (CHM55) | | 1 | \$2,962 | | |

Grants and contracts awarded by college

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Show abstract: true PI: ALL Inv: ALL

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|--|--|--|------------------|------------------------------|---|
| Higgins, Steven R., PhD | Particle Imaging of Graphene and Graphene Oxide <i>Global Graphene Group / Industry</i> | 21-0325 Contract 671375 | \$2,962 | Jun 24, 2021 Jul 26, 2021 | Jul 20, 2021 <i>Jun 30, 2021</i> |
| The researcher will be performing Atomic Force Microscopy to image samples consisting of Graphene and Graphene Oxide. | | | | | |
| College of Science & Math Admin (COSMA) | | 1 | \$378,540 | | |
| Kolawole, Dr Ola (Abimbola), PhD | Prevention of adenovirus pathogenesis through downregulation of the apical adenovirus receptor <i>National Institutes of Health/NIH/DHHS / Federal/NIH</i> | 17-0091 Grant 670606, 671038, 671389 | \$378,540 | Sep 1, 2021 Aug 31, 2022 | Sep 14, 2021 <i>Aug 27, 2021</i> |
| Kolawole, Dr Ola (Abimbola), PhD; Burke, Caleb; Sharma, Priyanka, PhD; Voss, Daniel T., PhD; Excoffon, Dr. Kate, PhD The goal of this project is to discover new ways to block wild type adenovirus infection and potentially save the lives of people with life-threatening adenovirus infections. | | | | | |
| Earth and Environmental Sciences (GLY55) | | 3 | \$413,002 | | |
| Newell, Silvia Elena <i>Jacquemin, Stephen James</i> | H2Ohio Wetland Monitoring Program - Silvia Newell Wright State <i>Ohio State University / Educational institutions</i> | 21-0049 Subcontract 671262 | \$254,724 | Jun 22, 2020 Jun 30, 2022 | Aug 13, 2021 <i>Jun 23, 2021</i> |
| This collaboration will evaluate different types of wetlands and likely advise potential future wetland locations. This effort will allow agencies to weigh this nutrient reduction strategy against the effects of agricultural best management practices, reductions in wastewater treatment plant effluent, and household sewage treatment system improvements. | | | | | |
| Newell, Silvia Elena | Assessing Nitrogen Dynamics in a Closed Integrated Aquaponics System. <i>Ohio State University / Educational institutions</i> | 19-0404 Subcontract 671114 | \$59,944 | Feb 1, 2021 Jan 31, 2023 | Dec 29, 2021 <i>Dec 19, 2021</i> |
| The researchers will measure the rates of nitrogen cycling processes within the closed aquaponics system to optimize growth of yellow perch, freshwater prawns, and hydroponic lettuce/herbs to develop a model to optimize nitrogen levels. | | | | | |
| Newell, Silvia Elena | DISES: Coproducing Actionable Science to Understand, Mitigate, and Adapt to Cyanobacterial Harmful Algal Blooms (CHABS) <i>University of Connecticut / Educational institutions</i> | 21-0096 Subcontract 671473 | \$98,334 | Jan 1, 2022 Dec 31, 2022 | Jan 27, 2022 <i>Jan 25, 2022</i> |
| This research proposes a transdisciplinary approach to tackle the complex problem of mitigating Cyanobacterial Harmful Algal Blooms | | | | | |
| Mathematics & Statistics (MTH55) | | 5 | \$86,622 | | |



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|---|---|--|------------------|-----------------------------|--|
| Xu, Zheng | SCMP Aronia Berry Project <i>University of Nebraska, Lincoln / Educational institutions</i> | 21-0215 Subcontract 671367 | \$15,341 | Jun 1, 2021 Mar 31, 2022 | Jul 9, 2021 Jun 4, 2021 |
| The researcher will provide statistical analyses in both methodological comparison and results analysis. | | | | | |
| Xu, Zheng | Developing a Community-driven Policy Framework to Optimize the Impact of Tobacco 21 Regulations and to Ensure Policy-related Health Equity <i>University of Nebraska, Lincoln / Educational institutions</i> | 21-0295 Subcontract 671366 | \$13,104 | May 8, 2021 Aug 8, 2021 | Jul 9, 2021 Jun 4, 2021 |
| The researchers will develop and use statistical and machine learning methods for the analysis of tobacco-related data to study the impact of Tobacco regulations. | | | | | |
| Xu, Zheng | A Single Conical Tube Device for Precision CAR-T Cells Manufacturing <i>Pennsylvania State University / Educational institutions</i> | 21-0301 Subcontract 671397 | \$5,946 | Mar 1, 2021 Feb 28, 2022 | Aug 18, 2021 Aug 9, 2021 |
| The researchers are attempting to find the appropriate conditions for CAR-T Cells Manufacturing by statistically analyzing experimental data. | | | | | |
| Liu, Yang | Developing Statistical Methods for Analyzing Somatic Mutations <i>Fred Hutchinson Cancer Research Center / Non-profit</i> | 20-0116 Subcontract 671043, 671250 | \$24,788 | Sep 1, 2021 Aug 31, 2022 | Oct 16, 2021 Oct 7, 2021 |
| The researchers propose to investigate the association between multiple traits and high dimensional genomic features (including somatic mutations). | | | | | |
| Kaminski, Jennifer A | Intelligent Diagnostic Assessment Platform for School Statistics Education <i>University of Notre Dame / Educational institutions</i> | 18-0039 Subcontract 670830 | \$27,443 | Sep 1, 2021 Aug 31, 2022 | Oct 21, 2021 Oct 8, 2021 |
| The researchers will develop a computerized assessment of students learning of school statistics. The system will assess students knowledge and provide individualized feedback and learning material in real time. | | | | | |
| Physics (PHY55) | | 6 | \$260,964 | | |
| Fox, Jane | MAVEN Mission <i>University of Colorado / Educational institutions</i> | 14-0219 Subcontract 668674 | \$55,000 | Jul 1, 2011 Dec 15, 2022 | Jul 6, 2021 Jun 23, 2021 |
| The WSU Principal Investigator will participate in additional activities during Phase E for the Mars Atmosphere and Volatile Evolution (MAVEN) mission. | | | | | |

Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAV.A.LANG.OBJECT;@6D32B442 Program type: ALL Instrument type: ALL
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|--|---|-----------------------------------|-----------------|------------------------------|--|
| Brown, Dr. Elliott R, PhD | Z4.04 Real-Time Defect Detection, Identification, and Correction in Wire-Feed and Fused-Filament Additive Manufacturing (SBIR) <i>Titan Robotics, Inc. / Industry</i> | 21-0170 Subcontract 671376 | \$18,222 | May 19, 2021 Nov 19, 2021 | Jul 20, 2021 <i>Jun 30, 2021</i> |
| The researchers aim to demonstrate feasibility of Titan Robotics' hybrid/AM system to bridge the quality control gap between current fused-filament fabrication technology and fully-closed-loop systems. | | | | | |
| Traxler, Adrienne | Collaborative Research: Mapping Professional Support Networks of Women and Gender and Sexual Minorities (LGBT) in Physics <i>National Science Foundation / Federal</i> | 21-0084 Grant 671377 | \$63,481 | Jul 1, 2021 Jun 30, 2024 | Jul 21, 2021 <i>Jun 24, 2021</i> |
| The researchers will study the professional support networks of women and gender and sexual minorities (LGBT) physicists. | | | | | |
| Fox, Jane | MAVEN Mission <i>University of Colorado / Educational institutions</i> | 14-0219 Subcontract 668674 | \$45,000 | Jul 1, 2011 Dec 15, 2022 | Nov 9, 2021 <i>Nov 9, 2021</i> |
| The WSU Principal Investigator will participate in additional activities during Phase E for the Mars Atmosphere and Volatile Evolution (MAVEN) mission. | | | | | |
| Fox, Jane | MAVEN Mission <i>University of Colorado / Educational institutions</i> | 14-0219 Subcontract 668674 | \$27,000 | Jul 1, 2011 Dec 15, 2022 | Feb 21, 2022 <i>Feb 16, 2022</i> |
| The WSU Principal Investigator will participate in additional activities during Phase E for the Mars Atmosphere and Volatile Evolution (MAVEN) mission. | | | | | |
| Medvedev, Ivan, PhD <i>Tyree, Daniel Jeremiah</i> | Terahertz Optical Molecular Sensing Platform for Breath Analysis <i>Strategic Ohio Council for Higher Education / Educational institutions</i> | 21-0208 Subcontract 671330 | \$52,260 | Dec 1, 2022 Nov 30, 2023 | Mar 17, 2022 <i>Feb 23, 2022</i> |
| The researchers propose to study computational and technical approaches to improve performance of the existing THz sensors and to utilize multispectral sensing to facilitate detection of larger molecules in human breath. | | | | | |
| Psychology (PSY55) | | 4 | \$97,884 | | |

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|---|--|---|------------------|------------------------------|--|
| Shalin, Valerie L., PhD | Support for Medic Surgical Technical Assistance Tool (mSTAT) Development and Testing <i>University of Maryland / Educational institutions</i> | 19-0350 Subcontract <i>671357</i> | \$26,262 | Sep 15, 2020 Sep 14, 2021 | Jul 1, 2021 <i>May 17, 2021</i> |
| The researchers will examine potential tools to train medics to conduct surgical interventions in the combat field, to avoid treatment delay associated with transportation to offsite surgeons. | | | | | |
| Lahuis, David M., PhD | Human-Centered Science Laboratory (HCSL) Support of AFRL Activities <i>Parallax Advanced Research Corporation / Non-profit</i> | 20-0200 Subcontract <i>671074</i> | \$21,543 | Jan 13, 2020 Jul 12, 2021 | Jul 12, 2021 <i>Jun 8, 2021</i> |
| The purpose of the Human-Centered Science Laboratory (HCSL) is to support research and development activities to advance the mission of the Human Trust and Interaction Branch (711 HPW/RHXS), Human Insight and Trust (HIT) Team, to foster human-robot teaming, methods to calibrate trust, and methods to foster transparency in human-machine contexts. | | | | | |
| Shalin, Valerie L., PhD | NSF Convergence Accelerator Track F: Actionable Sensemaking Tools for Curating and Authenticating Information in the Presence of Misinformation during Crises <i>Ohio State University / Educational institutions</i> | 21-0313 Subcontract <i>671449</i> | \$40,034 | Oct 1, 2021 Sep 30, 2022 | Nov 22, 2021 <i>Nov 19, 2021</i> |
| The researcher will support the prime's effort in eliciting user tool requirements in the context of their crisis response decision making task. | | | | | |
| Hennessy, Michael B., PhD <i>Schimi, Patricia, PhD</i> | Human-interaction-centered Enrichment to Improve Adoption- related Behaviors and Adoption Success in Fearful Shelter Dogs <i>American Society for the Prevention of Cruelty to Animals / Non-profit</i> | 22-0114 Grant <i>671460</i> | \$10,045 | Dec 2, 2021 Dec 31, 2023 | Dec 10, 2021 <i>Dec 9, 2021</i> |
| The researchers will examine whether periods of quiet interaction with a human volunteer can increase adoptability and desirable behavior of fearful shelter dogs. | | | | | |
| Semiconductor Research Center (SRC55) | | 3 | \$415,109 | | |
| Look, David C., PhD <i>Cooper, Timothy Arthur Rice, Wallace</i> | Electrical and Optical Characterization <i>KBR / Industry</i> | 21-0275 Subcontract <i>671379</i> | \$91,755 | Jun 24, 2021 Jun 23, 2022 | Jul 26, 2021 <i>Jul 13, 2021</i> |
| The purpose of this project is to provide electrical and optical characterization of materials and devices of interest to the Sensors Directorate of the AFRL. | | | | | |



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Show abstract: true PI: ALL Inv: ALL

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|--|---|-----------------------------------|---------------------|------------------------------|--|
| Look, David C., PhD <i>Cooper, Timothy Arthur Rice, Wallace</i> | Electrical and Optical Characterization <i>KBR / Industry</i> | 21-0275 Subcontract 671379 | \$201,342 | Jun 24, 2021 Jun 23, 2022 | Nov 2, 2021 Oct 29, 2021 |
| The purpose of this project is to provide electrical and optical characterization of materials and devices of interest to the Sensors Directorate of the AFRL. | | | | | |
| Look, David C., PhD <i>Cooper, Timothy Arthur Rice, Wallace</i> | Electrical and Optical Characterization <i>KBR / Industry</i> | 21-0275 Subcontract 671379 | \$122,012 | Jun 24, 2021 Jun 23, 2022 | Mar 24, 2022 Mar 11, 2022 |
| The purpose of this project is to provide electrical and optical characterization of materials and devices of interest to the Sensors Directorate of the AFRL. | | | | | |
| Division of Finance (BF) | | 3 | \$2,961,601 | | |
| AVP-Financial Operations (VPBFA) | | 3 | \$2,961,601 | | |
| Kawosa, Burhan | Shuttered Venue Grant Program - Nutter Center <i>Small Business Administration / Federal</i> | 21-0263 Grant 671412 | \$1,573,601 | Sep 2, 2021 Mar 2, 2023 | Sep 28, 2021 Sep 10, 2021 |
| Proposal to the Shuttered Venue Operators Grant Program to assist the University in replacing revenues lost from the operation of the Ervin J. Nutter Center. | | | | | |
| Kawosa, Burhan | Shuttered Venue Grant Program - Nutter Center <i>Small Business Administration / Federal</i> | 21-0263 Grant 671412 | \$786,800 | Sep 2, 2021 Mar 2, 2023 | Nov 4, 2021 Oct 27, 2021 |
| Proposal to the Shuttered Venue Operators Grant Program to assist the University in replacing revenues lost from the operation of the Ervin J. Nutter Center. | | | | | |
| Kawosa, Burhan | WSU Testing/Vaccination Site <i>Federal Emergency Management Agency / Federal</i> | 22-0152 Contract 671510 | \$601,200 | Oct 12, 2021 Jul 1, 2022 | Mar 25, 2022 Mar 24, 2022 |
| WSU has committed to providing a comprehensive screen testing program for the COVID-19 virus for all students, faculty, and staff with an in-person campus presence for the 2021-2022 academic year. | | | | | |
| Engineering & Computer Science (CECS) | | 56 | \$10,681,585 | | |
| Biomed Indust & Human Factor Engr (BME55) | | 4 | \$976,834 | | |

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Show abstract: true PI: ALL Inv: ALL

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|--|---|-----------------------------------|-----------------|------------------------------|--|
| Sunar, Ulas <i>Liu, Yang</i> | Quantitative Fluorescence Imaging-Guided Detection and Targeted Therapy Monitoring Platform for Ovarian Cancer Micrometastases <i>National Cancer Institute/NIH/DHHS / Federal/NIH</i> | 20-0156 Grant 671197 | \$336,645 | May 1, 2021 Apr 30, 2022 | Jul 9, 2021 <i>Jun 11, 2021</i> |
| The overall goal is to implement a quantitative laparoscopic imaging and treatment approach for advanced detection of micromets and optimization of Chemophototherapy for targeted destruction of ovarian micromets and reduced toxic side effects. | | | | | |
| Harel, Assaf <i>Juvina, Dr. Ion, Ph.D. Reo, Nicholas V., PhD Harel, Assaf</i> | To Establish a Joint DOD and WSU Center of Neuroimaging and Neuro-Evaluation of Cognitive Technologies <i>Air Force Office of Scientific Research / Federal</i> | 19-0295 Grant 671202 | \$225,456 | Aug 14, 2020 Aug 14, 2021 | Jul 22, 2021 <i>Jul 21, 2021</i> |
| This proposal requests the costs associated with the purchase and installation of a 3 Tesla Magnetic Resonance Imaging machine. | | | | | |
| Sunar, Ulas <i>Liu, Yang</i> | Non-invasive characterization of secondary brain injuries after severe acute brain injury using integrated functional optical imaging and electroencephalography <i>National Institute of Neurological Disorders and Stroke/NIH/DHHS / Federal/NIH</i> | 20-0135 Grant 671227 | \$79,369 | Jul 1, 2021 Jun 30, 2022 | Sep 1, 2021 <i>Aug 5, 2021</i> |
| The goal of this project is to address the need through implementation of integrated EEG and functional optical imaging instrumentation, probes, and analysis methods for data fusion; hence providing complementary information on brain activity and function. | | | | | |
| Sunar, Ulas <i>Liu, Yang</i> | Quantitative Diffuse Correlation Spectroscopy for Assessing Human Brain Function <i>National Institute of Biomedical Imaging and Bioengineering/NIH/DHHS / Federal/NIH</i> | 21-0053 Grant 671478 | \$335,364 | Sep 5, 2021 May 31, 2022 | Feb 7, 2022 <i>Jan 28, 2022</i> |
| This optical imaging system will pave the way in the diffuse optical spectroscopy field and serve as a quantitative clinical tool for longitudinal monitoring of brain injuries at neurointensive care units. | | | | | |
| College of Eng & Computer Sci Admin (CECS5) | | 2 | \$91,510 | | |
| Rigling, Brian D., PhD <i>Morgan, Jameson Donald</i> | Dynamic, Multi-objective Beamforming Optimization for Phased Arrays <i>Southwestern Ohio Council for Higher Education / Educational institutions</i> | 21-0188 Subcontract 671364 | \$52,260 | Aug 23, 2021 Nov 30, 2022 | Jul 7, 2021 <i>May 7, 2021</i> |
| The researchers aim to develop an online solution for optimizing the beam weights of a system operating in an unknown environment with multiple objectives and functions. | | | | | |

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| Klingbeil, Nathan W., PhD Bourne, Tony Goldstein, David L., PhD | The Ohio LSAMP Alliance <i>Ohio State University / Educational institutions</i> | 18-0145 Subcontract 669334, 670854, 671002, 671257 | \$39,250 | Aug 1, 2021 Jul 31, 2022 | Nov 4, 2021 Oct 27, 2021 |
| Funding will support the participation of underrepresented minority (URM) students in a variety of programs to increase student success, including summer bridge programs, peer mentoring, undergraduate research, supplemental instruction and undergraduate teaching opportunities. | | | | | |
| Computer Science (CSC55) | | 9 | \$5,917,002 | | |
| Thirunarayan, Krishnaprasad, PhD | Automated Declassification Review <i>Cognovi Labs / Industry</i> | 21-0105 Subcontract 671332 | \$16,652 | Feb 5, 2021 Jun 30, 2021 | Jul 8, 2021 May 17, 2021 |
| The researchers propose to develop a declassification architecture and identify tools and techniques to build a prototype. | | | | | |
| Zhang, Dr. Junjie, Ph.D. | Developing Cybersecurity Labs Using Interactive Programming <i>Southwestern Ohio Council for Higher Education / Educational institutions</i> | 21-0265 Subcontract 671370 | \$15,000 | May 10, 2021 Dec 31, 2021 | Jul 16, 2021 Jun 17, 2021 |
| The goal of this project is to develop cybersecurity labs using interactive programming. | | | | | |
| Zhang, Dr. Junjie, Ph.D. Saunders, Vance McMillan | AI-Driven Intelligent Firmware Analysis <i>Transportation Research Center Inc / Non-profit</i> | 21-0271 Subcontract 671371 | \$115,995 | Jul 1, 2021 Jun 30, 2022 | Jul 16, 2021 Jul 13, 2021 |
| The goal of this project is to leverage artificial intelligence to perform static and dynamic firmware analysis. | | | | | |
| Saunders, Vance McMillan | Assured Digital Microelectronics Education & Training Ecosystem (ADMETE) <i>Air Force Research Laboratory / Federal</i> | 20-0191 Cooperative Agreement 671100, 671246, 671247, 671248, 671249, 671465 | \$4,943,000 | Sep 3, 2020 Dec 2, 2023 | Aug 10, 2021 Aug 5, 2021 |
| Morriss, Lisa; Saunders, Vance McMillan; Wischgoll, Thomas, PhD; Ren, Saiyu, PhD; Zhang, Dr. Junjie, Ph.D.; Rigling, Brian D., PhD; Sun, Dr. Shuxia; Zhuang, Yan, PhD; Chen, Henry, PhD; Napier, Sarah; Pei, Yong, PhD; Heeter, Dani; Doom, Travis E., PhD | | | | | |
| The researchers will develop a robust Assured Digital Microelectronics Education and Training Ecosystem (ADMETE) across the State of Ohio and conduct research and development for innovative Assured and trusted Microelectronics Solutions (ATMS). | | | | | |
| Meyer, Karen | Choose Ohio First Scholarship Program Computer Science FY20 <i>Ohio Department of Higher Education / State</i> | 20-0339 Grant 671120 | \$277,530 | Apr 1, 2024 May 31, 2025 | Dec 6, 2021 Dec 3, 2021 |

WSU will provide Choose Ohio First Scholarship to students in the STEMM disciplines.

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| Banerjee, Tanvi | SCH: INT: Collaborative Research: Development and analysis of integrative models for chronic pain <i>Northwestern University / Educational institutions</i> | 18-0399 Subcontract 670853 | \$81,565 | Sep 1, 2021 Aug 31, 2022 | Jan 25, 2022 Jan 18, 2022 |
| The researchers will develop new mathematical and statistical models for the dynamics of subjective pain in patients suffering from chronic pain. | | | | | |
| Bourbakis, Nikolaos G. | Reduction of Entrophy for Probabilistic Organization (REPO) <i>The Board of Regents of The University System of Georgia by and on Behalf of Georgia Institute of Technology / Educational institutions</i> | 21-0100 Subcontract 671476 | \$150,000 | Dec 4, 2020 Jun 3, 2022 | Feb 2, 2022 Jan 27, 2022 |
| The researchers will help provide the tools to analyze large, unstructured, and organized documentation datasets. | | | | | |
| Raymer, Michael L., PhD <i>Davidson, Christina</i> | Assessing Humans as a Complex Model System through Multi-Omic Data Analysis over Diverse Timescales to Predict and Enhance Human Performance <i>Strategic Ohio Council for Higher Education / Educational institutions</i> | 20-0259 Subcontract 671140 | \$52,260 | May 1, 2020 Nov 30, 2022 | Mar 22, 2022 |
| The researchers will use cutting edge artificial intelligence techniques in high-dimensional biological data to understand and predict effects on performance within a military cohort. | | | | | |
| Pei, Yong, PhD <i>Thirunarayan, Krishnaprasad, PhD</i> | Utilization of Advanced Analytical Techniques and Development of Novel Methodologies for Assessment of Human Performance Datasets <i>UES, Inc. / Industry</i> | 22-0138 Subcontract 671508 | \$265,000 | Jun 1, 2022 May 31, 2024 | Mar 24, 2022 Mar 14, 2022 |
| This project aims to develop enhanced analytical techniques for human performance sensing data with a focus on large, complex, problematic datasets that are not amenable to standard analytical methods. | | | | | |
| Electrical Engineering (EEG55) | | 19 | \$2,615,255 | | |
| Rigling, Brian D., PhD | Science, Technology and Research for Exploiting Sensor Systems (STRESS) <i>Air Force Research Laboratory / Federal</i> | 18-0158 Cooperative Agreement 670687 | \$835,000 | Mar 20, 2018 Apr 22, 2022 | Jul 5, 2021 Apr 30, 2021 |
| TBD-unclassified, Visiting Faculty; Myers, Robert Allen, PhD Engineering, MS MEIE, BSEE; Saville, Dr. Michael A., PhD, PE; Wischgoll, Thomas, PhD; Wu, Zhiqiang, PhD; Garber, Fred D., PhD; Fogle, Ryan, PhD; Ren, Saiyu, PhD; Zhang, Dr. Junjie, Ph.D.; Nehrbass, John; Rosencrantz, Stephen D; Brown, Dr. Elliott R, PhD; Ash, Josh; Chen, Henry, PhD; TBD, Summer Intern; Zhuang, Yan, PhD; Zhang, Xiaodong, PhD; Emmert, Marty; Shaw, Arnab K., PhD; Bryant, Adam Robert; Doran, Derek | | | | | |
| This project will continue the ATRC summer student program and seek to expand its reach to all divisions of the AFRL Sensors Directorate. | | | | | |

Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAV.A.LANG.OBJECT;@7335501 Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| PI / Key personnel | Title / <i>Sponsor</i> (Key personnel / Abstract) | Project number / <i>Grant numbers</i> | Sponsor amount | Period | Date award submitted / <i>Date awarded</i> |
|---|---|--|----------------|------------------------------|---|
| Rigling, Brian D., PhD | Science, Technology and Research for Exploiting Sensor Systems (STRESS) <i>Air Force Research Laboratory / Federal</i> | 18-0158 Cooperative Agreement <i>670687</i> | \$380,000 | Mar 20, 2018 Apr 22, 2022 | Jul 5, 2021 <i>Jun 5, 2021</i> |
| | TBD-unclassified, Visiting Faculty; Myers, Robert Allen, PhD Engineering, MS MEIE, BSEE; Saville, Dr. Michael A., PhD, PE; Wischgoll, Thomas, PhD; Wu, Zhiqiang, PhD; Garber, Fred D., PhD; Fogle, Ryan, PhD; Ren, Saiyu, PhD; Zhang, Dr. Junjie, Ph.D.; Nehrbass, John; Rosencrantz, Stephen D; Brown, Dr. Elliott R, PhD; Ash, Josh; Chen, Henry, PhD; TBD, Summer Intern; Zhuang, Yan, PhD; Zhang, Xiaodong, PhD; Emmert, Marty; Shaw, Arnab K., PhD; Bryant, Adam Robert; Doran, Derek This project will continue the ATRC summer student program and seek to expand its reach to all divisions of the AFRL Sensors Directorate. | | | | |
| Rigling, Brian D., PhD | SIRCUS TO2: Comprehensive Learning Objectives for Warfighter Needs (CLOWN) <i>Air Force Research Laboratory / Federal</i> | 15-0302-01-01 Contract <i>670160, 670787, 670783, 670784, 670958</i> | \$60,000 | Mar 31, 2016 Jan 4, 2023 | Jul 13, 2021 <i>Jun 11, 2021</i> |
| | Dungan, Kerry E; Nehrbass, John; Garber, Fred D., PhD; Vickery, Rhonda Jean; Gustafson, Paul; Kang, Bosung; Ren, Saiyu, PhD; Fogle, Ryan, PhD; Wischgoll, Thomas, PhD; Saville, Dr. Michael A., PhD, PE; Rosencrantz, Stephen D; TBD,; Palmer, Luther; Scherreik, Matthew; Ash, Josh; Emmert, Marty The WSU team will undertake a multi-year effort to explore the development of methods to advance the state of the art in a variety of sensor exploitation research areas. | | | | |
| Rigling, Brian D., PhD | SIRCUS TO2: Comprehensive Learning Objectives for Warfighter Needs (CLOWN) <i>Air Force Research Laboratory / Federal</i> | 15-0302-01-01 Contract <i>670160, 670787, 670783, 670784, 670958</i> | \$60,000 | Mar 31, 2016 Jan 4, 2023 | Jul 13, 2021 <i>Mar 25, 2022</i> |
| | Dungan, Kerry E; Nehrbass, John; Garber, Fred D., PhD; Vickery, Rhonda Jean; Gustafson, Paul; Kang, Bosung; Ren, Saiyu, PhD; Fogle, Ryan, PhD; Wischgoll, Thomas, PhD; Saville, Dr. Michael A., PhD, PE; Rosencrantz, Stephen D; TBD,; Palmer, Luther; Scherreik, Matthew; Ash, Josh; Emmert, Marty The WSU team will undertake a multi-year effort to explore the development of methods to advance the state of the art in a variety of sensor exploitation research areas. | | | | |
| Rigling, Brian D., PhD <i>Hassanien, Nasr Palmer, Luther Ash, Josh</i> | Synthesis, Exploitation, Analysis, and Belief for Autonomous Sensor Systems (SEABASS) <i>Air Force Research Laboratory / Federal</i> | 19-0296 Contract <i>670955, 670956, 670982, 671037, 671050, 671137</i> | \$60,000 | May 7, 2019 Aug 10, 2022 | Jul 14, 2021 <i>Apr 28, 2021</i> |
| | Through a multi-university collaboration, WSU proposes to execute a variety of interconnected research projects that will extend the state of the art in sensor performance, understanding, exploitation, and architectures. | | | | |

Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAVLA.LANG.OBJECT;@980A8E6 Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| PI / Key personnel | Title / Sponsor (Key personnel / Abstract) | Project number / Grant numbers | Sponsor amount | Period | Date award submitted / Date awarded |
|--|---|---|----------------|------------------------------|--|
| Rigling, Brian D., PhD <i>Hassanien, Nasr Palmer, Luther Ash, Josh</i> | Synthesis, Exploitation, Analysis, and Belief for Autonomous Sensor Systems (SEABASS) <i>Air Force Research Laboratory / Federal</i> | 19-0296 Contract 670955, 670956, 670982, 671037, 671050, 671137 | \$25,000 | May 7, 2019 Aug 10, 2022 | Jul 14, 2021 <i>Jun 3, 2021</i> |
| Through a multi-university collaboration, WSU proposes to execute a variety of interconnected research projects that will extend the state of the art in sensor performance, understanding, exploitation, and architectures. | | | | | |
| Rigling, Brian D., PhD <i>Hassanien, Nasr Palmer, Luther Ash, Josh</i> | Synthesis, Exploitation, Analysis, and Belief for Autonomous Sensor Systems (SEABASS) <i>Air Force Research Laboratory / Federal</i> | 19-0296 Contract 670955, 670956, 670982, 671037, 671050, 671137 | \$36,500 | May 7, 2019 Aug 10, 2022 | Jul 14, 2021 <i>Jun 15, 2021</i> |
| Through a multi-university collaboration, WSU proposes to execute a variety of interconnected research projects that will extend the state of the art in sensor performance, understanding, exploitation, and architectures. | | | | | |
| Fogle, Ryan, PhD | Moving Target Recognition Proposal <i>Space Dynamics Laboratory / Industry</i> | 21-0075 Subcontract 671380 | \$112,434 | Jun 29, 2021 Jun 28, 2022 | Jul 26, 2021 <i>Jul 18, 2021</i> |
| The researchers will focus on novel synthetic aperture radar imaging and target detection, geo-location and tracking techniques. | | | | | |
| Fogle, Ryan, PhD | Moving Target Recognition Proposal <i>Space Dynamics Laboratory / Industry</i> | 21-0075 Subcontract 671380 | \$87,566 | Jun 29, 2022 May 14, 2023 | Jul 26, 2021 <i>Jul 18, 2021</i> |
| The researchers will focus on novel synthetic aperture radar imaging and target detection, geo-location and tracking techniques. | | | | | |
| Fogle, Ryan, PhD | SARIFEX <i>Air Force Research Laboratory / Federal</i> | 20-0275 Contract 671277, 671383 | \$140,000 | Dec 31, 2020 Dec 31, 2023 | Jul 27, 2021 <i>Jul 17, 2021</i> |
| The researchers seek to develop more robust and accurate radar imaging and moving target detection techniques. | | | | | |
| Wang, Weisong <i>Dietz, Michael Kristopher</i> | Development of HfO2 based Ferroelectric Materials for ?-Ga2O3 transistors <i>Southwestern Ohio Council for Higher Education / Educational institutions</i> | 21-0209 Subcontract 671334 | \$3,000 | May 2, 2021 Nov 30, 2022 | Jul 27, 2021 <i>Jul 23, 2021</i> |
| The researchers aim to develop ferroelectric materials for Ga2O3 transistors to improve the device performance at high power and high frequency, thus the overall performance of the corresponding circuits. | | | | | |



Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAV.A.LANG.OBJECT;@6B5E8F8B Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| PI / Key personnel | Title / <i>Sponsor</i> (Key personnel / Abstract) | Project number / <i>Grant numbers</i> | Sponsor amount | Period | Date award submitted / <i>Date awarded</i> |
|--|--|--|----------------|------------------------------|---|
| Fogle, Ryan, PhD | SARIFEX <i>Air Force Research Laboratory / Federal</i> | 20-0275 Contract <i>671277, 671383</i> | \$50,000 | Dec 31, 2020 Dec 31, 2023 | Aug 19, 2021 <i>Aug 11, 2021</i> |
| The researchers seek to develop more robust and accurate radar imaging and moving target detection techniques. | | | | | |
| Rigling, Brian D., PhD | Science, Technology and Research for Exploiting Sensor Systems (STRESS) <i>Air Force Research Laboratory / Federal</i> | 18-0158 Cooperative Agreement <i>670687</i> | \$104,000 | Mar 20, 2018 Apr 22, 2022 | Sep 8, 2021 <i>Aug 25, 2021</i> |
| TBD-unclassified, Visiting Faculty; Myers, Robert Allen, PhD Engineering, MS MEIE, BSEE; Saville, Dr. Michael A., PhD, PE; Wischgoll, Thomas, PhD; Wu, Zhiqiang, PhD; Garber, Fred D., PhD; Fogle, Ryan, PhD; Ren, Saiyu, PhD; Zhang, Dr. Junjie, Ph.D.; Nehrbass, John; Rosencrantz, Stephen D; Brown, Dr. Elliott R, PhD; Ash, Josh; Chen, Henry, PhD; TBD, Summer Intern; Zhuang, Yan, PhD; Zhang, Xiaodong, PhD; Emmert, Marty; Shaw, Arnab K., PhD; Bryant, Adam Robert; Doran, Derek | | | | | |
| This project will continue the ATRC summer student program and seek to expand its reach to all divisions of the AFRL Sensors Directorate. | | | | | |
| Fogle, Ryan, PhD | Moving Target Recognition Proposal <i>Space Dynamics Laboratory / Industry</i> | 21-0075 Subcontract <i>671380</i> | \$4,032 | Jun 29, 2021 May 14, 2023 | Dec 6, 2021 <i>Dec 3, 2021</i> |
| The researchers will focus on novel synthetic aperture radar imaging and target detection, geo-location and tracking techniques. | | | | | |
| Rigling, Brian D., PhD | SIRCUS TO2: Comprehensive Learning Objectives for Warfighter Needs (CLOWN) <i>Air Force Research Laboratory / Federal</i> | 15-0302-01-01 Contract <i>670160, 670787, 670783, 670784, 670958</i> | \$30,000 | Mar 31, 2016 Jan 4, 2023 | Dec 28, 2021 <i>Dec 18, 2021</i> |
| Dungan, Kerry E; Nehrbass, John; Garber, Fred D., PhD; Vickery, Rhonda Jean; Gustafson, Paul; Kang, Bosung; Ren, Saiyu, PhD; Fogle, Ryan, PhD; Wischgoll, Thomas, PhD; Saville, Dr. Michael A., PhD, PE; Rosencrantz, Stephen D; TBD,; Palmer, Luther; Scherreik, Matthew; Ash, Josh; Emmert, Marty | | | | | |
| The WSU team will undertake a multi-year effort to explore the development of methods to advance the state of the art in a variety of sensor exploitation research areas. | | | | | |

Grants and contracts awarded by college

Proj **\$52,151,465**
Spon **\$48,932,523**
248

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAV.A.LANG.OBJECT;@CDAFDA7 Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

| PI / Key personnel | Title / Sponsor (Key personnel / Abstract) | Project number / Grant numbers | Sponsor amount | Period | Date award submitted / Date awarded |
|--|---|---|--------------------|------------------------------|--|
| Rigling, Brian D., PhD | Science, Technology and Research for Exploiting Sensor Systems (STRESS) <i>Air Force Research Laboratory / Federal</i> | 18-0158 Cooperative Agreement 670687 | \$195,000 | Mar 20, 2018 Apr 22, 2022 | Feb 3, 2022 Jan 24, 2022 |
| TBD-unclassified, Visiting Faculty; Myers, Robert Allen, PhD Engineering, MS MEIE, BSEE; Saville, Dr. Michael A., PhD, PE; Wischgoll, Thomas, PhD; Wu, Zhiqiang, PhD; Garber, Fred D., PhD; Fogle, Ryan, PhD; Ren, Saiyu, PhD; Zhang, Dr. Junjie, Ph.D.; Nehrbass, John; Rosencrantz, Stephen D; Brown, Dr. Elliott R, PhD; Ash, Josh; Chen, Henry, PhD; TBD, Summer Intern; Zhuang, Yan, PhD; Zhang, Xiaodong, PhD; Emmert, Marty; Shaw, Arnab K., PhD; Bryant, Adam Robert; Doran, Derek | | | | | |
| This project will continue the ATRC summer student program and seek to expand its reach to all divisions of the AFRL Sensors Directorate. | | | | | |
| Rigling, Brian D., PhD <i>Hassanien, Nasr Palmer, Luther Ash, Josh</i> | Synthesis, Exploitation, Analysis, and Belief for Autonomous Sensor Systems (SEABASS) <i>Air Force Research Laboratory / Federal</i> | 19-0296 Contract 670955, 670956, 670982, 671037, 671050, 671137 | \$204,223 | May 7, 2019 Aug 10, 2022 | Feb 4, 2022 Jan 25, 2022 |
| Through a multi-university collaboration, WSU proposes to execute a variety of interconnected research projects that will extend the state of the art in sensor performance, understanding, exploitation, and architectures. | | | | | |
| Rigling, Brian D., PhD | Science, Technology and Research for Exploiting Sensor Systems (STRESS) <i>Air Force Research Laboratory / Federal</i> | 18-0158 Cooperative Agreement 670687 | \$135,000 | Mar 20, 2018 Apr 22, 2022 | Mar 8, 2022 Feb 18, 2022 |
| TBD-unclassified, Visiting Faculty; Myers, Robert Allen, PhD Engineering, MS MEIE, BSEE; Saville, Dr. Michael A., PhD, PE; Wischgoll, Thomas, PhD; Wu, Zhiqiang, PhD; Garber, Fred D., PhD; Fogle, Ryan, PhD; Ren, Saiyu, PhD; Zhang, Dr. Junjie, Ph.D.; Nehrbass, John; Rosencrantz, Stephen D; Brown, Dr. Elliott R, PhD; Ash, Josh; Chen, Henry, PhD; TBD, Summer Intern; Zhuang, Yan, PhD; Zhang, Xiaodong, PhD; Emmert, Marty; Shaw, Arnab K., PhD; Bryant, Adam Robert; Doran, Derek | | | | | |
| This project will continue the ATRC summer student program and seek to expand its reach to all divisions of the AFRL Sensors Directorate. | | | | | |
| Rigling, Brian D., PhD | Science, Technology and Research for Exploiting Sensor Systems (STRESS) <i>Air Force Research Laboratory / Federal</i> | 18-0158 Cooperative Agreement 670687 | \$93,500 | Mar 20, 2018 Apr 22, 2022 | Mar 25, 2022 Mar 17, 2022 |
| TBD-unclassified, Visiting Faculty; Myers, Robert Allen, PhD Engineering, MS MEIE, BSEE; Saville, Dr. Michael A., PhD, PE; Wischgoll, Thomas, PhD; Wu, Zhiqiang, PhD; Garber, Fred D., PhD; Fogle, Ryan, PhD; Ren, Saiyu, PhD; Zhang, Dr. Junjie, Ph.D.; Nehrbass, John; Rosencrantz, Stephen D; Brown, Dr. Elliott R, PhD; Ash, Josh; Chen, Henry, PhD; TBD, Summer Intern; Zhuang, Yan, PhD; Zhang, Xiaodong, PhD; Emmert, Marty; Shaw, Arnab K., PhD; Bryant, Adam Robert; Doran, Derek | | | | | |
| This project will continue the ATRC summer student program and seek to expand its reach to all divisions of the AFRL Sensors Directorate. | | | | | |
| Mechanical & Materials Engineering (MEG55) | | 22 | \$1,080,984 | | |

Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAVLA.LANG.OBJECT;@561E1EFC Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| PI / Key personnel | Title / Sponsor (Key personnel / Abstract) | Project number / Grant numbers | Sponsor amount | Period | Date award submitted / Date awarded |
|---|--|--|----------------|-----------------------------|--|
| Bae, Harok, PhD <i>Beachy, Atticus</i> | Hypersonic Vehicle Design Framework Using Machine Learning with Multi-Fidelity Data Under Uncertainty <i>Strategic Ohio Council for Higher Education / Educational institutions</i> | 21-0197 Subcontract 671365 | \$52,260 | Sep 1, 2021 Nov 30, 2022 | Jul 7, 2021 <i>Mar 31, 2021</i> |
| The researchers aim to enable rapid exploration of various hypersonic vehicle design concepts by using machine learning algorithm. | | | | | |
| Klingbeil, Nathan W., PhD <i>Evans, Rachel Elizabeth Gockel, Joy</i> | The Influence of Additive Manufacturing Surface Roughness on Fatigue <i>Strategic Ohio Council for Higher Education / Educational institutions</i> | 20-0249 Subcontract 671117, 671398 | \$52,260 | Aug 1, 2020 Oct 31, 2023 | Jul 8, 2021 <i>Jul 8, 2021</i> |
| The researchers will characterize, model, and test the influence of surface roughness on fatigue. | | | | | |
| Wolff, Mitch, PhD <i>Mileski, Joseph William</i> | Design Approaches for Hypersonic Inlet and Isolator Operability <i>Strategic Ohio Council for Higher Education / Educational institutions</i> | 21-0179 Subcontract 671373 | \$42,320 | Jul 1, 2021 Nov 30, 2022 | Jul 17, 2021 <i>Jun 16, 2021</i> |
| The researchers will create a design for improved operability of hypersonic inlets and isolators using refined inlet starting criteria and prediction methods. | | | | | |
| Young, Henry D., PhD <i>TBD, Graduate Student</i> | Research into the Structural Dynamics and Mechanics of Gas Turbine Engine Components <i>ARCTOS Technology Solutions, LLC / Industry</i> | 21-0079 Subcontract 671356, 671395 | \$20,919 | May 1, 2021 Aug 31, 2022 | Jul 27, 2021 <i>Jul 18, 2021</i> |
| The researchers will provide mechanical testing and microstructural analysis of materials used in gas turbine engines. | | | | | |
| Wolff, Mitch, PhD <i>Spark, Jacob</i> | Power/Thermal Management of Hypersonic Air Vehicles <i>Southwestern Ohio Council for Higher Education / Educational institutions</i> | 20-0076 Subcontract 671011 | \$22,680 | May 1, 2019 Nov 30, 2023 | Aug 23, 2021 <i>Aug 18, 2021</i> |
| This research builds and expands on previous research from the High Speed Systems (AFRL/RQH) and Power and Controls (AFRL/RQQ) Divisions to develop predictive, multidisciplinary, and multi-fidelity models by integrating the power and thermal sub-systems using a transient 1st and 2nd Laws of Thermodynamics analysis to capture the fundamental physics for a variety of different missions. | | | | | |
| Wolff, Mitch, PhD <i>Spark, Jacob</i> | Power/Thermal Management of Hypersonic Air Vehicles <i>Southwestern Ohio Council for Higher Education / Educational institutions</i> | 20-0076 Subcontract 671011 | \$14,879 | May 1, 2019 Nov 30, 2022 | Aug 23, 2021 <i>Aug 18, 2021</i> |
| This research builds and expands on previous research from the High Speed Systems (AFRL/RQH) and Power and Controls (AFRL/RQQ) Divisions to develop predictive, multidisciplinary, and multi-fidelity models by integrating the power and thermal sub-systems using a transient 1st and 2nd Laws of Thermodynamics analysis to capture the fundamental physics for a variety of different missions. | | | | | |

Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAVLA.LANG.OBJECT;@21912F69 Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| PI / Key personnel | Title / Sponsor (Key personnel / Abstract) | Project number / Grant numbers | Sponsor amount | Period | Date award submitted / Date awarded |
|---|--|-----------------------------------|----------------|------------------------------|--|
| Wolff, Mitch, PhD | Design and Optimization of a Scramjet Fuel Delivery System <i>Southwestern Ohio Council for Higher Education / Educational institutions</i> | 20-0242 Grant 671132 | \$21,760 | Aug 23, 2021 Nov 30, 2022 | Sep 1, 2021 Aug 31, 2021 |
| The researchers will design and analyze a combustor geometry being used by AFRL/RQH for the Quicksat vehicle to enable the improved performance of the vehicle. | | | | | |
| Wolff, Mitch, PhD | High Power Density Carbon Neutral Electrical Power Generation for Air Vehicles <i>Tennessee Technological University / Educational institutions</i> | 21-0114 Subcontract 671411 | \$15,000 | Jul 12, 2021 Jul 11, 2022 | Sep 9, 2021 Aug 27, 2021 |
| The researchers goal for this project is to mitigate the greenhouse gas emission associated with commercial air travel at minimum economic cost by developing elements of an ultra-high efficient aircraft propulsion system that uses Carbon Neutral Liquid Fuels. | | | | | |
| Wolff, Mitch, PhD | 2021-2022 OSGC Student Fellowships/Scholarships <i>Ohio Aerospace Institute / Non-profit</i> | 22-0015 Subcontract 671381 | \$7,500 | Jul 1, 2021 Jun 30, 2022 | Sep 14, 2021 Sep 1, 2021 |
| Ohio Space Grant Consortium Student Fellowships/Scholarships for 2021-2022. | | | | | |
| Wolff, Mitch, PhD | OSGC/State of Ohio awards for the 2021/2022 school year <i>Ohio Aerospace Institute / Non-profit</i> | 22-0032 Subcontract 671382 | \$30,500 | Jul 1, 2021 Jun 30, 2022 | Sep 16, 2021 Sep 10, 2021 |
| Ohio Aerospace Institute funds will be used to support College of Engineering and Computer Science students affiliated with the Ohio Space Grant Consortium during the 2021-2022 school year. | | | | | |
| Wolff, Mitch, PhD | Hybrid UAV Capstone Design Project <i>P.C. Krause and Associates / Industry</i> | 22-0053 Subcontract 671418 | \$6,000 | Sep 1, 2021 Jun 30, 2022 | Sep 25, 2021 Sep 19, 2021 |
| This project will consist of continuing a hybrid powered UAV project from the '20-'21 academic year. The design process will consider energy utilization and performance of the UAV. | | | | | |
| Wolff, Mitch, PhD | Design and Fabrication of an Improved Thrust/Weight Ratio for Micro-Jet Engines <i>ARCTOS Technology Solutions, LLC / Industry</i> | 22-0022 Subcontract 671435 | \$6,036 | Sep 1, 2021 Jun 30, 2022 | Oct 26, 2021 Oct 15, 2021 |
| The researchers will design and build an improved thrust to weight ratio for a JetCat P-100. | | | | | |

Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAV.A.LANG.OBJECT;@4F800A17 Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| PI / Key personnel | Title / Sponsor (Key personnel / Abstract) | Project number / Grant numbers | Sponsor amount | Period | Date award submitted / Date awarded |
|---|---|--|----------------|-----------------------------|--|
| Mian, Dr. Ahsan, PhD | Industry 4.0: Advanced Manufacturing and Cybersecurity <i>Ohio Department of Higher Education / State</i> | 21-0282 Grant 671442 | \$462,601 | Oct 1, 2021 Jun 30, 2022 | Nov 5, 2021 Nov 4, 2021 |
| The researchers seek support to acquire equipment needed to train workforce in the three major thrusts of Industry 4.0, which are additive manufacturing, robotics, and cybersecurity. | | | | | |
| Young, Henry D., PhD <i>TBD, Graduate Student</i> | Research into the Structural Dynamics and Mechanics of Gas Turbine Engine Components <i>ARCTOS Technology Solutions, LLC / Industry</i> | 21-0079 Subcontract 671356, 671395 | \$8,568 | May 1, 2021 Aug 31, 2022 | Nov 22, 2021 Nov 18, 2021 |
| The researchers will provide mechanical testing and microstructural analysis of materials used in gas turbine engines. | | | | | |
| Yang, Zifeng, PhD | Blood Flow Velocimetry Using Digital Subtraction Angiography <i>Radiation Monitoring Devices, Inc. / Industry</i> | 18-0194 Subcontract 670840 | \$97,644 | May 1, 2021 Jul 31, 2022 | Dec 14, 2021 Nov 18, 2021 |
| A novel double-pulsed X-ray imaging system will be built to conduct blood velocity measurements in vasculatures and an optical flow method will be developed at WSU to process the images to obtain the accurate velocity assessment. | | | | | |
| Wolff, Mitch, PhD | Solar Splash Design Project <i>Ohio Aerospace Institute / Non-profit</i> | 22-0139 Subcontract 671455 | \$5,000 | Sep 1, 2021 Jun 30, 2022 | Jan 5, 2022 Jan 4, 2022 |
| Solar Splash Mechanical Engineering Senior Capstone Design project support for 4 undergraduate students over the '20-'21 academic year. | | | | | |
| Young, Henry D., PhD <i>TBD, Graduate Student</i> | Research into the Structural Dynamics and Mechanics of Gas Turbine Engine Components <i>ARCTOS Technology Solutions, LLC / Industry</i> | 21-0079 Subcontract 671356, 671395 | \$19,360 | May 1, 2021 Aug 31, 2022 | Jan 13, 2022 Jan 12, 2022 |
| The researchers will provide mechanical testing and microstructural analysis of materials used in gas turbine engines. | | | | | |
| Klingbeil, Nathan W., PhD <i>Evans, Rachel Elizabeth Gockel, Joy</i> | The Influence of Additive Manufacturing Surface Roughness on Fatigue <i>Strategic Ohio Council for Higher Education / Educational institutions</i> | 20-0249 Subcontract 671117, 671398 | \$52,260 | Aug 1, 2020 Oct 31, 2023 | Mar 14, 2022 Feb 23, 2022 |
| The researchers will characterize, model, and test the influence of surface roughness on fatigue. | | | | | |

Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAVA.LANG.OBJECT;@369B3224 Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| PI / Key personnel | Title / <i>Sponsor</i> (Key personnel / Abstract) | Project number / <i>Grant numbers</i> | Sponsor amount | Period | Date award submitted / <i>Date awarded</i> |
|---|--|--|--------------------|------------------------------|---|
| Bae, Harok, PhD <i>Beachy, Atticus</i> | Hypersonic Vehicle Design Framework Using Machine Learning with Multi-Fidelity Data Under Uncertainty <i>Strategic Ohio Council for Higher Education / Educational institutions</i> | 21-0197 Subcontract 671365 | \$52,260 | Sep 1, 2021 Oct 31, 2023 | Mar 22, 2022 <i>Feb 24, 2022</i> |
| The researchers aim to enable rapid exploration of various hypersonic vehicle design concepts by using machine learning algorithm. | | | | | |
| Li, Dr. Sheng, PhD | Twin-disk Friction Test Project <i>Rolls-Royce / Industry</i> | 21-0212 Subcontract 671504 | \$20,517 | Jun 28, 2021 Jun 28, 2022 | Mar 22, 2022 <i>Mar 4, 2022</i> |
| The researchers project will focus on friction between the bearing contacting surfaces under varying loading and entrainment velocity conditions utilizing a grease as a lubricant. | | | | | |
| Wolff, Mitch, PhD <i>Jadischke, Jacob H</i> | Control Technology for Aircraft Energy Management <i>Southwestern Ohio Council for Higher Education / Educational institutions</i> | 21-0259 Subcontract 671121, 671194 | \$52,260 | Aug 24, 2020 Dec 31, 2023 | Mar 22, 2022 <i>Mar 6, 2022</i> |
| The objective of the proposed work is to develop a system to generate near optimal control solutions for hybrid unmanned aerial vehicles, requiring little input from the users. | | | | | |
| Wolff, Mitch, PhD <i>Mileski, Joseph William</i> | Design Approaches for Hypersonic Inlet and Isolator Operability <i>Strategic Ohio Council for Higher Education / Educational institutions</i> | 21-0179 Subcontract 671373 | \$18,400 | Jul 1, 2021 Nov 30, 2022 | Mar 25, 2022 <i>Mar 22, 2022</i> |
| The researchers will create a design for improved operability of hypersonic inlets and isolators using refined inlet starting criteria and prediction methods. | | | | | |
| Health, Education, and Human Services (CHEH) | | 23 | \$6,419,845 | | |
| College of Educ & Human Svcs Admin (CEHSA) | | 1 | \$4,339,766 | | |
| Watson, Kevin G. | Dayton Regional Science, Technology, Engineering, and Mathematics School Services Agreement <i>Dayton Regional Science, Technology, Engineering, and Mathematics (STEM) School / Educational institutions</i> | 14-0039 Contract 668340 | \$4,339,766 | Jul 1, 2021 Jun 30, 2022 | Sep 16, 2021 <i>Sep 9, 2021</i> |
| These funds will support salaries and fringe benefits of STEM school personnel who are paid through WSU. | | | | | |
| Leadership Studies in Educ (LDR55) | | 1 | \$80,566 | | |

Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAV.A.LANG.OBJECT;@788D20EC Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
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| PI / Key personnel | Title / Sponsor (Key personnel / Abstract) | Project number / Grant numbers | Sponsor amount | Period | Date award submitted / Date awarded |
|--|--|-----------------------------------|--------------------|-----------------------------|--|
| Miura, Dr. Yoko, EdD | Training for AFWERKS <i>Parallax Advanced Research Corporation / Non-profit</i> | 22-0039 Subcontract 671407 | \$80,566 | Jan 6, 2020 Dec 31, 2022 | Sep 2, 2021 Sep 1, 2021 |
| The researcher shall provide pedagogical support to the curriculum development and evaluation of a Massive Open Online Course (MOOC). | | | | | |
| Professional Psychology (PSI55) | | 3 | \$90,067 | | |
| Warfield, Janece, PsyD | Parents Early Childhood Education - Positive Action Choices Training (PECE-PACT) <i>Montgomery County ADAMH Services Board / Other government</i> | 21-0278 Contract 671405 | \$65,747 | Jul 1, 2021 Jun 30, 2022 | Sep 1, 2021 Aug 20, 2021 |
| This program will continue to provide a comprehensive range of services to Head Start youngsters and their families in order to develop child and parent resiliency skills. | | | | | |
| Cigrang, Jeff | SOPP Practicum: CompDrug, Inc. FY2022 <i>CompDrug / Industry</i> | 22-0048 Contract 671426 | \$8,320 | Jul 1, 2021 Jun 30, 2022 | Oct 4, 2021 Sep 20, 2021 |
| The sponsor will provide training and fiscal support for external rotations in the SOPP Doctoral students program during the 2021-2022 training year for one doctoral student. | | | | | |
| Cigrang, Jeff | SOPP Practicum Training: Central Clinic: 2021-2022 <i>Central Clinic / Industry</i> | 22-0168 Contract 671489 | \$16,000 | Jul 1, 2021 Jun 30, 2022 | Feb 22, 2022 Feb 15, 2022 |
| This sponsor will provide direct client services training for two (2) doctoral students. | | | | | |
| School of Professional Psychology (SOPPA) | | 15 | \$1,568,879 | | |
| Meyer, Cheryl L., JD <i>Subban, Jennifer E., PhD</i> | Research and Evaluation Program (REEP) 2021-2022 <i>Ohio Commission on Minority Health / State</i> | 21-0234 Grant 671358 | \$75,000 | Jul 1, 2021 Jun 30, 2022 | Jul 2, 2021 May 5, 2021 |
| The purpose of this project is to provide technical assistance and evaluation support to the Ohio Commission on Minority Health's demonstration Infant Mortality HUB projects. | | | | | |

Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAVA.LANG.OBJECT;@8BAC1E3 Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| PI / Key personnel | Title / <i>Sponsor</i> (Key personnel / Abstract) | Project number / <i>Grant numbers</i> | Sponsor amount | Period | Date award submitted / <i>Date awarded</i> |
|---|---|---|----------------|-----------------------------|---|
| Cigrang, Jeff | Lesbian, Gay, and Bisexual Couples in the Military: A Post-DADT Examination of Relationship Health, Perceived Community Acceptance, and Mission Readiness <i>Department of the Army / Federal</i> | 16-0233 Cooperative Agreement <i>670766, 671173</i> | \$117,079 | Jul 1, 2021 Jun 30, 2022 | Jul 6, 2021 <i>May 27, 2021</i> |
| The overall goal of the proposed study is to deliver a current, evidence-based understanding of relationship health, perceived community acceptance, and mission readiness in active-duty Air Force LGB couples compared to heterosexual couples. | | | | | |
| Cigrang, Jeff | Annual funding from the Alcohol, Drug Addiction and Mental Health Services (ADAMHS) of Montgomery County to support practicum training for School of Professional Psychology (SoPP) doctoral students <i>Montgomery County ADAMH Services Board / Other government</i> | 21-0269 Contract <i>671401</i> | \$37,100 | Jul 1, 2021 Jun 30, 2022 | Aug 27, 2021 <i>Aug 19, 2021</i> |
| Each year ADAMHS awards funding to SoPP to pay for student stipends at field training sites (practicums) that provide mental health and substance abuse disorder services in Montgomery County | | | | | |
| Cigrang, Jeff | Behavioral Health Student Training Practicum Stipend (SOPP-PSA) <i>Lindner Center of HOPE / Non-profit</i> | 22-0013 Cooperative Agreement <i>671419</i> | \$12,000 | Jul 1, 2021 Jun 30, 2022 | Sep 30, 2021 <i>Sep 20, 2021</i> |
| Sponsor will support the training of 1 doctoral student placed at the Facility during this training year. | | | | | |
| Cigrang, Jeff | SOPP Practicum: National Youth Advocate Program, Inc. FY2022 <i>National Youth Advocate Program / Non-profit</i> | 22-0047 Contract <i>671421</i> | \$15,000 | Jul 1, 2021 Jun 30, 2022 | Oct 1, 2021 <i>Sep 20, 2021</i> |
| The sponsor will provide direct client services training for two SOPP practicum students. | | | | | |
| Cigrang, Jeff | SOPP Practicum: Empower Health & Wellness FY22 <i>Empower Psychology + Wellness / Industry</i> | 22-0049 Contract <i>671424</i> | \$12,000 | Jul 1, 2021 Jun 30, 2022 | Oct 4, 2021 <i>Sep 20, 2021</i> |
| The sponsor will provide direct client services training for four SOPP practicum students. | | | | | |
| Cigrang, Jeff | SOPP Practicum: Hearthstone Psychology FY2022 <i>Hearthstone Psychology / Non-profit</i> | 22-0050 Contract <i>671427</i> | \$9,500 | Jul 1, 2021 Jun 30, 2022 | Oct 5, 2021 <i>Sep 20, 2021</i> |
| The sponsor will provide direct and indirect client services training for 3 doctoral students. | | | | | |



Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAV.A.LANG.OBJECT;@10B5A53E Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| PI / Key personnel | Title / Sponsor (Key personnel / Abstract) | Project number / Grant numbers | Sponsor amount | Period | Date award submitted / Date awarded |
|--|---|-----------------------------------|----------------|-----------------------------|--|
| Cigrang, Jeff | SOPP Practicum: Self Matters. FY2022 <i>Self Matters LLC / Industry</i> | 22-0051 Contract 671428 | \$3,000 | Jul 1, 2021 Jun 30, 2022 | Oct 11, 2021 Sep 20, 2021 |
| The sponsor will provide direct client services training for one SOPP practicum student. | | | | | |
| Cigrang, Jeff | SOPP Practicum: South Community, Inc. FY2022 <i>South Community Mental Health Center / Non-profit</i> | 22-0052 Grant 671429 | \$8,000 | Jul 1, 2021 Jun 30, 2022 | Oct 11, 2021 Sep 20, 2021 |
| The sponsor will support the training of 2 doctoral students placed at the Facility during this training year. | | | | | |
| Cigrang, Jeff | "Up-Armoring" At-Risk Military Couples: A Stepped Approach to Early Intervention and Strengthening of Military Families - Phase 2 <i>Air Force Research Laboratory / Federal</i> | 22-0014 Contract 670438 | \$1,204,800 | Oct 1, 2021 Sep 30, 2023 | Oct 18, 2021 Sep 27, 2021 |
| This study will follow a cohort of young military couples from entry-level training through the first 2 years at their initial duty stations to (1) adapt an evidence-informed universal prevention program for couples (specifically designed for the military culture) to make this suitable for delivery in a fast-paced training environment, and (2) evaluate the intervention with at-risk and low-risk couples (i.e., secondary and primary prevention applications). | | | | | |
| Cigrang, Jeff | SOPP - University Psychological Services Association Practicum- FY2022 <i>University Psychological Services Association, Inc. / Industry</i> | 22-0078 Contract 671439 | \$9,000 | Jul 1, 2021 Jun 30, 2022 | Nov 2, 2021 Oct 22, 2021 |
| UPSA will provide supervision, direct and indirect client services consistent with Wright State's training policies for two (2) doctoral student(s). | | | | | |
| Cigrang, Jeff | SOPP Practicum: Summit Behavioral Healthcare, Inc. FY2022 <i>Summit Behavioral Healthcare / Other government</i> | 22-0077 Contract 671444 | \$9,000 | Jul 1, 2021 Jun 30, 2022 | Nov 15, 2021 Oct 6, 2021 |
| The sponsor will provide direct client services training for two SOPP practicum students. | | | | | |
| Cigrang, Jeff | SOPP Practicum: Cordell Associates, LLC FY2022 <i>Cordell Associates, LLC / Non-profit</i> | 22-0091 Contract 671446 | \$24,000 | Jul 1, 2021 Jun 30, 2022 | Nov 16, 2021 Nov 16, 2021 |
| The sponsor will provide direct client services training for four SOPP practicum students. | | | | | |

Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAV.A.LANG.OBJECT;@2AA9AB4E Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| PI / Key personnel | Title / Sponsor (Key personnel / Abstract) | Project number / Grant numbers | Sponsor amount | Period | Date award submitted / Date awarded |
|---|---|--|------------------|-----------------------------|--|
| Cigrang, Jeff | SOPP Practicum: University of Dayton - FY2022 <i>University of Dayton / Educational institutions</i> | 22-0111 Contract 671457 | \$12,400 | Jul 1, 2021 Jun 30, 2022 | Dec 10, 2021 Dec 2, 2021 |
| The sponsor will provide direct client services training for one SOPP practicum student. | | | | | |
| Cigrang, Jeff | SOPP Practicum: Hillcrest Academy 2021-2022 <i>Hillcrest Academy / Non-profit</i> | 22-0117 Grant 671462 | \$21,000 | Jul 1, 2021 Jun 30, 2022 | Dec 17, 2021 Dec 17, 2021 |
| Sponsor will support the training of 3 doctoral students placed at the Facility during this training year. | | | | | |
| Social Work (SOW55) | | 1 | \$118,250 | | |
| Green, Nkechi P | University Partnership Program FY2022-2023 <i>Ohio Department of Job and Family Services / State</i> | 22-0097 Subcontract 671467, 671468 | \$118,250 | Jul 1, 2022 Jun 30, 2023 | Dec 30, 2021 Dec 20, 2021 |
| Students are trained to be public child welfare workers. 11 students participate and complete one year post graduation as a public child welfare worker in Ohio. | | | | | |
| Teacher Education (TED55) | | 2 | \$222,317 | | |
| Agro, Christa Preston | I Educate Montgomery County <i>University of Cincinnati / Educational institutions</i> | 22-0008 Subcontract 671487 | \$147,811 | Sep 1, 2021 Jun 30, 2022 | Feb 17, 2022 Jan 28, 2022 |
| The researchers will, in collaboration with three colleges and six school districts, work to increase the number of diverse students graduating with a teaching degree and securing a teaching license. | | | | | |
| Agro, Christa Preston | I Educate Montgomery County <i>University of Cincinnati / Educational institutions</i> | 22-0008 Subcontract 671487 | \$74,506 | Sep 1, 2021 Jun 30, 2022 | Mar 16, 2022 Mar 15, 2022 |
| The researchers will, in collaboration with three colleges and six school districts, work to increase the number of diverse students graduating with a teaching degree and securing a teaching license. | | | | | |
| Inclusive Excellence (CDO55) | | 1 | \$76,815 | | |
| Inclusive Excellence (CDO55) | | 1 | \$76,815 | | |



Grants and contracts awarded by college

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Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| PI / Key personnel | Title / Sponsor (Key personnel / Abstract) | Project number / Grant numbers | Sponsor amount | Period | Date award submitted / Date awarded |
|--|---|-----------------------------------|------------------|------------------------------|--|
| Mathis, Tonya | Ohio/Western Pennsylvania/West Virginia HERC Consortium 2019-2020 <i>Tides Center / Non-profit</i> | 19-0362 Grant 670737 | \$76,815 | Jul 1, 2021 Dec 14, 2022 | Oct 20, 2021 <i>Oct 8, 2021</i> |
| Wright State University will serve as the fiscal agent for the Ohio, Western Pennsylvania, West Virginia Higher Education Recruitment Consortium. | | | | | |
| Lake Campus (LAKE) | | 5 | \$140,816 | | |
| Lake Campus Admin (LAKEA) | | 2 | \$26,644 | | |
| Krane, Dan E., PhD | Evaluating the Means of Increasing the Commercialization of Technology Developed at Public and Private Universities in Ohio <i>Ohio Department of Higher Education / State</i> | 22-0068 Grant 671420 | \$1,644 | Sep 20, 2021 Dec 31, 2021 | Oct 1, 2021 <i>Sep 29, 2021</i> |
| WSU will work with ODHE to work on evaluating the means of increasing the commercialization of technology developed at public and private universities in Ohio | | | | | |
| Jones, Ms. Carol M. | Western Central Ohio Manufacturing Partnership Education Innovation Grant <i>Rhodes State College / Educational institutions</i> | 21-0178 Grant 671451 | \$25,000 | Feb 1, 2021 Jun 30, 2021 | Nov 29, 2021 |
| A trainer needs to learn the equipment and write the lab curriculum and workbooks for hands-on labs. | | | | | |
| Lake Campus Engineering Technology (LCH55) | | 1 | \$15,968 | | |
| Attariani, Hamed | A Hybrid Fuel Cell-Battery-Capacitor Power Source for UAS <i>Kent State University / Educational institutions</i> | 20-0122 Subcontract 671174 | \$15,968 | Jan 2, 2020 May 31, 2022 | Aug 24, 2021 <i>Aug 24, 2021</i> |
| The objective of this project is to develop an onboard power source to address the lightweight onboard energy requirements of UAS for extended flight time and payload. | | | | | |
| Lake Campus Science & Mathematics (LCM55) | | 2 | \$98,204 | | |
| Marshall, Melanie <i>Jacquemin, Stephen James Jaqueth, Aubrey Lowrey</i> | Using Stable Isotope Methods to Differentiate Among Agricultural Inorganic Phosphate Sources Seek Patterns of Addition Within the Grand Lake St. Mary's Watershed. <i>Ohio State University / Educational institutions</i> | 21-0221 Subcontract 671409 | \$64,290 | Jun 15, 2020 Dec 31, 2023 | Sep 7, 2021 <i>Aug 24, 2021</i> |
| The researchers will use novel stable isotope methods to differentiate among sources of phosphorus entering the Grand Lake St. Mary's watershed as well as exploring patterns of phosphate addition. | | | | | |

Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAV.A.LANG.OBJECT;@64570E6 Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| PI / Key personnel | Title / <i>Sponsor</i> (Key personnel / Abstract) | Project number / <i>Grant numbers</i> | Sponsor amount | Period | Date award submitted / <i>Date awarded</i> |
|--|--|--|------------------|------------------------------|---|
| Jacquemin, Stephen James | Nutrient and Sediment Retention Potential of Treatment Trains in Grand Lake St. Marys Watershed <i>St. Marys Community Foundation / Non-profit</i> | 18-0033 Grant 670536 | \$33,914 | Jan 1, 2022 Dec 31, 2022 | Feb 4, 2022 <i>Jan 25, 2022</i> |
| Through this project, the PI will assess the efficacy of two flow through wetland treatment train systems to reduce nutrient and sediment loads prior to discharge into waters of the state. | | | | | |
| Liberal Arts | | 6 | \$186,567 | | |
| Art & Art History (ART55) | | 2 | \$7,291 | | |
| Cebulash, Glen H., MFA | Robert and Elaine Stein Galleries 2021-2022 Season of Exhibitions <i>Ohio Arts Council / State</i> | 21-0241 Grant 671396 | \$3,291 | Aug 23, 2021 Apr 29, 2022 | Aug 18, 2021 <i>Aug 6, 2021</i> |
| The grant will support the Stein Galleries' new season of exhibitions for 2021-2022, reflecting the interests and concerns of the WSU Art Department and the communities we serve. | | | | | |
| Longley-Cook, Tracy, MFA | Eyewitness: Highlights From The Collection <i>FotoFocus / Non-profit</i> | 22-0158 Grant 671461 | \$4,000 | Jan 1, 2022 Dec 31, 2022 | Feb 15, 2022 <i>Feb 1, 2022</i> |
| "Eyewitness: Highlights From The Collection" will be a photographic exhibition held during the Fall of 2022 at the Robert Elaine Stein Galleries at Wright State University. | | | | | |
| English Language & Literatures (ENG55) | | 2 | \$167,780 | | |
| Hall, Ashley Bolden, Jeremy Ware, Jen | APEX <i>Wright State Applied Research Corporation / Non-profit</i> | 20-0175 Subcontract 671062, 671067 | \$33,890 | Jan 6, 2020 Dec 31, 2022 | Jul 19, 2021 <i>Jun 24, 2021</i> |
| The WSU researchers will provide media and pedagogical support for the APEX project for WSARC. | | | | | |
| Hall, Ashley Bolden, Jeremy Ware, Jen | APEX <i>Wright State Applied Research Corporation / Non-profit</i> | 20-0175 Subcontract 671062, 671067 | \$133,890 | Jan 6, 2020 Dec 31, 2022 | Oct 13, 2021 <i>Sep 29, 2021</i> |
| The WSU researchers will provide media and pedagogical support for the APEX project for WSARC. | | | | | |
| History (HST55) | | 2 | \$11,496 | | |

Grants and contracts awarded by college

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Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| PI / Key personnel | Title / Sponsor (Key personnel / Abstract) | Project number / Grant numbers | Sponsor amount | Period | Date award submitted / Date awarded |
|---|--|-----------------------------------|--------------------|------------------------------|--|
| Meyer, Kathryn B., PhD | Internship at VA Archives <i>Department of Veterans Affairs / Federal</i> | 21-0322 Contract 671410 | \$8,100 | Aug 23, 2021 Dec 31, 2021 | Sep 8, 2021 Aug 25, 2021 |
| The goal of this project is to place a WSU history GRA on-site at the VA National Archives in Dayton for one semester. | | | | | |
| Winkler, Jonathan R., PhD | Public History Internships at the National VA History Center <i>Department of Veterans Affairs / Federal</i> | 22-0118 Grant 671484 | \$3,396 | Jan 13, 2022 Apr 22, 2022 | Feb 12, 2022 Feb 7, 2022 |
| Exclusive support from the National VA History Center, located in Dayton, to graduate students in the Public History program completing practical training internships and capstone projects at the History Center. | | | | | |
| Provost (PV) | | 5 | \$1,247,494 | | |
| Provost (PRO55) | | 5 | \$1,247,494 | | |
| Kahrig, Dr. Tammy, PhD Wearly-Lewis, Nikki | Support for Position of Senior Associate Director, SCTAI, FY2021 <i>Ohio Department of Higher Education / State</i> | 21-0061 Subcontract 671238 | \$6,684 | May 1, 2021 Jun 30, 2021 | Jul 12, 2021 Jun 4, 2021 |
| This project continues support for the Senior Associate Director SCTAI. (Nikki Wearly) | | | | | |
| Kahrig, Dr. Tammy, PhD Wearly-Lewis, Nikki | Support for Position of Senior Associate Director, SCTAI, FY2021 <i>Ohio Department of Higher Education / State</i> | 21-0061 Subcontract 671238 | \$44,302 | Jul 1, 2021 Jun 30, 2022 | Oct 27, 2021 Oct 19, 2021 |
| This project continues support for the Senior Associate Director SCTAI. (Nikki Wearly) | | | | | |
| Leaman, Douglas W | Ohio Articulation and Transfer Network <i>Ohio Department of Higher Education / State</i> | 21-0058 Grant 668366 | \$101,600 | Jul 1, 2020 Jun 30, 2021 | Nov 5, 2021 Nov 3, 2021 |
| These funds will be used to operate the Articulation and Transfer Network, a consortium appointed by the Chancellor at the Ohio Department of Higher Education. | | | | | |
| Evans, Oliver H | Ohio Articulation and Transfer Network <i>Ohio Department of Higher Education / State</i> | 22-0085 Grant 668366 | \$1,000,000 | Jul 1, 2021 Jun 30, 2022 | Nov 5, 2021 Nov 4, 2021 |
| These funds will be used to operate the Articulation and Transfer Network, a consortium appointed by the Chancellor at the Ohio Department of Higher Education. | | | | | |



Grants and contracts awarded by college

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Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
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248

| PI / Key personnel | Title / Sponsor (Key personnel / Abstract) | Project number / Grant numbers | Sponsor amount | Period | Date award submitted / Date awarded |
|---|--|-----------------------------------|--------------------|-----------------------------|--|
| Kahrig, Dr. Tammy, PhD Conrad, Kristi Rebecca | Support for Position of Senior Associate Director, SCTAI, FY2021 <i>Ohio Department of Higher Education / State</i> | 21-0062 Subcontract 671239 | \$94,909 | Jul 1, 2021 Jun 30, 2022 | Feb 12, 2022 <i>Jan 31, 2022</i> |
| This project continues support for the Senior Associate Director SCTAI. (Kristi Conrad) | | | | | |
| Retention (RETN) | | 13 | \$2,544,200 | | |
| Student Success Services (UVCLA) | | 13 | \$2,544,200 | | |
| Littell, Tim | Conversations on Student Success: Building Momentum for Clear Pathways to Academic Success and Equity <i>Ohio Department of Higher Education / State</i> | 19-0317 Grant 670900 | \$12,000 | Mar 1, 2021 Nov 30, 2021 | Jul 7, 2021 <i>May 26, 2021</i> |
| This professional development program will provide workshops and seminars to increase awareness of the equity challenges in our gateway completion courses and to provide a forum in which faculty and staff will learn and apply new strategies to address equity gaps in our courses, programs, and support services. | | | | | |
| Littell, Tim Anderson, Denise Skira, Aaron M | Data Literacy Institute Program <i>Association of Public and Land Grant Universities / Non-profit</i> | 22-0006 Grant 671385 | \$1,000 | Apr 2, 2021 Jul 30, 2022 | Aug 21, 2021 <i>Aug 12, 2021</i> |
| Wright State University will participate in a pilot program that will improve data literacy among key stakeholders at institutions of higher education with the broader goal of improving student success outcomes. | | | | | |
| Littell, Tim McCamis, Jennifer L. Stuart, Cheryl | Choose Ohio First Scholarship Program 2021-2022 <i>Ohio Department of Higher Education / State</i> | 22-0038 Grant 671413 | \$660,500 | Jun 1, 2021 May 31, 2022 | Sep 11, 2021 <i>Aug 30, 2021</i> |
| Wright State University will support three remaining scholars from its 8.29 grant. | | | | | |
| Littell, Tim McCamis, Jennifer L. Stuart, Cheryl | Choose Ohio First Scholarship Program 2021-2022 <i>Ohio Department of Higher Education / State</i> | 22-0038 Grant 671413 | \$410,000 | Jun 1, 2022 May 31, 2023 | Sep 11, 2021 <i>Aug 30, 2021</i> |
| Wright State University will support three remaining scholars from its 8.29 grant. | | | | | |
| Littell, Tim McCamis, Jennifer L. Stuart, Cheryl | Choose Ohio First Scholarship Program 2021-2022 <i>Ohio Department of Higher Education / State</i> | 22-0038 Grant 671413 | \$206,000 | Jun 1, 2023 May 31, 2024 | Sep 11, 2021 <i>Aug 30, 2021</i> |
| Wright State University will support three remaining scholars from its 8.29 grant. | | | | | |



Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAV.A.LANG.OBJECT;@4FC277E5 Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
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248

| PI / Key personnel | Title / <i>Sponsor</i> (Key personnel / Abstract) | Project number / <i>Grant numbers</i> | Sponsor amount | Period | Date award submitted / <i>Date awarded</i> |
|---|---|--|----------------|------------------------------|---|
| Littell, Tim <i>McCamis, Jennifer L. Stuart, Cheryl</i> | Choose Ohio First Scholarship Program 2021-2022 <i>Ohio Department of Higher Education / State</i> | 22-0038 Grant <i>671413</i> | \$33,500 | Jun 1, 2024 May 31, 2025 | Sep 11, 2021 <i>Aug 30, 2021</i> |
| Wright State University will support three remaining scholars from its 8.29 grant. | | | | | |
| Littell, Tim <i>McCamis, Jennifer L. Stuart, Cheryl</i> | Choose Ohio First Scholarship Program FY22 <i>Ohio Department of Higher Education / State</i> | 21-0306 Grant <i>671414</i> | \$214,240 | May 20, 2021 Jun 30, 2022 | Sep 20, 2021 <i>Sep 9, 2021</i> |
| Wright State University will continue to provide Choose Ohio First Scholarships to current scholarship recipients in order for them to finish their degrees within the STEMM disciplines. | | | | | |
| Littell, Tim <i>McCamis, Jennifer L. Stuart, Cheryl</i> | Choose Ohio First Scholarship Program FY22 <i>Ohio Department of Higher Education / State</i> | 21-0306 Grant <i>671414</i> | \$214,240 | Jul 1, 2022 Jun 30, 2023 | Sep 20, 2021 <i>Sep 9, 2021</i> |
| Wright State University will continue to provide Choose Ohio First Scholarships to current scholarship recipients in order for them to finish their degrees within the STEMM disciplines. | | | | | |
| Littell, Tim <i>McCamis, Jennifer L. Stuart, Cheryl</i> | Choose Ohio First Scholarship Program FY22 <i>Ohio Department of Higher Education / State</i> | 21-0306 Grant <i>671414</i> | \$214,240 | Jul 1, 2023 Jun 30, 2024 | Sep 20, 2021 <i>Sep 9, 2021</i> |
| Wright State University will continue to provide Choose Ohio First Scholarships to current scholarship recipients in order for them to finish their degrees within the STEMM disciplines. | | | | | |
| Littell, Tim <i>McCamis, Jennifer L. Stuart, Cheryl</i> | Choose Ohio First Scholarship Program FY22 <i>Ohio Department of Higher Education / State</i> | 21-0306 Grant <i>671414</i> | \$214,240 | Jul 1, 2024 Jun 30, 2025 | Sep 20, 2021 <i>Sep 9, 2021</i> |
| Wright State University will continue to provide Choose Ohio First Scholarships to current scholarship recipients in order for them to finish their degrees within the STEMM disciplines. | | | | | |
| Littell, Tim <i>McCamis, Jennifer L. Stuart, Cheryl</i> | Choose Ohio First Scholarship Program FY22 <i>Ohio Department of Higher Education / State</i> | 21-0306 Grant <i>671414</i> | \$214,240 | Jul 1, 2025 Jun 30, 2026 | Sep 20, 2021 <i>Sep 9, 2021</i> |
| Wright State University will continue to provide Choose Ohio First Scholarships to current scholarship recipients in order for them to finish their degrees within the STEMM disciplines. | | | | | |

Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAV.A.LANG.OBJECT;@6C88CE98 Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| PI / Key personnel | Title / Sponsor (Key personnel / Abstract) | Project number / Grant numbers | Sponsor amount | Period | Date award submitted / Date awarded |
|--|--|------------------------------------|---------------------|------------------------------|--|
| Stark, Wayne | Support for the Center for Liberal Arts Student Success Center and the Model United Nations Program at Wright State University <i>Ohio Department of Higher Education / State</i> | 22-0110 Grant 671452, 671453 | \$75,000 | Jul 1, 2021 Jun 30, 2022 | Dec 6, 2021 Dec 3, 2021 |
| The funds will support the operations of the Center for Liberal Arts Student Success and providing funds for the Model United Nations Program. | | | | | |
| Stark, Wayne | Support for the Center for Liberal Arts Student Success Center and the Model United Nations Program at Wright State University <i>Ohio Department of Higher Education / State</i> | 22-0110 Grant 671452, 671453 | \$75,000 | Jul 1, 2022 Jun 30, 2023 | Dec 6, 2021 Dec 3, 2021 |
| The funds will support the operations of the Center for Liberal Arts Student Success and providing funds for the Model United Nations Program. | | | | | |
| School of Medicine (SOMD) | | 90 | \$14,340,127 | | |
| Biochemistry/Molecular Biology-SOM (BYM55) | | 7 | \$1,268,782 | | |
| Long, Dr. Weiwen, PhD <i>Morel, Marion F</i> | Role of FBXL16 in Lung Adenocarcinomas with Activating KRAS Mutations <i>American Lung Association / Non-profit</i> | 21-0223 New/Original 671408 | \$100,000 | Jul 1, 2021 Jun 30, 2022 | Sep 2, 2021 Aug 23, 2021 |
| The researchers aim to define the role of FBXL16 protein in promoting development and progression of lung adenocarcinomas expressing activating KRas mutants. | | | | | |
| Ren, Hongmei, PhD Post Doc <i>Voss, Andrew Alvin, PhD</i> | The Role of Lipin1 in Myofiber Stability and Integrity <i>National Institute of Arthritis & Musculoskeletal & Skin Diseases/NIH/DHHS / Federal/NIH</i> | 21-0106 Grant 671415, 671416 | \$381,682 | Jul 22, 2021 Jul 21, 2022 | Sep 21, 2021 Sep 17, 2021 |
| The researchers will assess the benefits and therapeutic efficacy of Lipin1 in the treatment of Duchenne muscular dystrophy (DMD). | | | | | |
| Kadakia, Madhavi, PhD | Enhancing STEM Education Through the iGEM Competition <i>UES, Inc. / Industry</i> | 21-0277 Subcontract 671417 | \$105,000 | Aug 20, 2021 Sep 30, 2022 | Sep 22, 2021 Sep 22, 2021 |
| The goals of this proposal are to develop USAF biotechnology leaders of tomorrow by enhancing biotech STEM education of the US Air Force Academy cadets; promote biotech literacy among the K-12 educators and students via outreach and professional development programs; and cultivate the future DoD workforce in biotechnology. | | | | | |



Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAV.A.LANG.OBJECT;@54B0EEB Program type: ALL Instrument type: ALL Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
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| PI / Key personnel | Title / Sponsor (Key personnel / Abstract) | Project number / Grant numbers | Sponsor amount | Period | Date award submitted / Date awarded |
|--|--|--|--------------------|------------------------------|--|
| Ren, Hongmei, PhD Post Doc Voss, Andrew Alvin, PhD Rich, Mark Monroe, MD, PhD | Lipin1 Improves Dystrophic Pathology and Muscle Function <i>Department of the Army / Federal</i> | 21-0124 Contract 671422, 671423 | \$525,000 | Aug 15, 2021 Aug 14, 2023 | Oct 2, 2021 Sep 21, 2021 |
| Completion of this research will determine whether lipin1 upregulation can serve as a therapy to re-establish membrane stability and restore muscle function to those afflicted with Duchenne muscular dystrophy (DMD). | | | | | |
| Kadokia, Madhavi, PhD | Enhancing STEM Education Through the iGEM Competition <i>UES, Inc. / Industry</i> | 21-0277 Subcontract 671417 | \$67,266 | Aug 20, 2021 Sep 30, 2022 | Mar 8, 2022 Feb 21, 2022 |
| The goals of this proposal are to develop USAF biotechnology leaders of tomorrow by enhancing biotech STEM education of the US Air Force Academy cadets; promote biotech literacy among the K-12 educators and students via outreach and professional development programs; and cultivate the future DoD workforce in biotechnology. | | | | | |
| Kadokia, Madhavi, PhD Craig, Dr. Michael, Ph.D. | Single-cell Dispensing to Accelerate Generation of Clonal or Rare Cell Populations, Augment Existing Sequencing Capabilities, and Facilitate Cutting-edge Single-cell Analyses <i>Air Force Office of Scientific Research / Federal</i> | 21-0289 Cooperative Agreement 671502 | \$86,950 | Mar 15, 2022 Mar 14, 2023 | Mar 21, 2022 Mar 4, 2022 |
| Wright State University (WSU) is requesting Defense University Research Instrumentation Program (DURIP) funds to obtain a Namocell Hana Single Cell Dispenser that would greatly augment research capabilities in the Dayton region. | | | | | |
| Kadokia, Madhavi, PhD | Enhancing STEM Education Through the iGEM Competition <i>UES, Inc. / Industry</i> | 21-0277 Subcontract 671417 | \$2,884 | Aug 20, 2021 Sep 30, 2022 | Mar 25, 2022 Mar 17, 2022 |
| The goals of this proposal are to develop USAF biotechnology leaders of tomorrow by enhancing biotech STEM education of the US Air Force Academy cadets; promote biotech literacy among the K-12 educators and students via outreach and professional development programs; and cultivate the future DoD workforce in biotechnology. | | | | | |
| Business Office-SOM (BOM55) | | 3 | \$3,594,301 | | |
| Rex, Kimberly Ann, MHA | ODHE Geriatric Medicine Subsidy <i>Ohio Department of Higher Education / State</i> | 22-0067 Grant 671350, 671351 | \$141,730 | Jul 1, 2021 Jun 30, 2023 | Jan 6, 2022 Jan 6, 2022 |
| This project will support the geriatric medicine program. | | | | | |

Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAV.A.LANG.OBJECT;@4F078065 Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| PI / Key personnel | Title / Sponsor (Key personnel / Abstract) | Project number / Grant numbers | Sponsor amount | Period | Date award submitted / Date awarded |
|---|--|---------------------------------------|------------------|------------------------------|--|
| Rex, Kimberly Ann, MHA | ODHE Subsidy for Family Practice <i>Ohio Department of Higher Education / State</i> | 22-0120 Grant 671346, 671347 | \$591,741 | Jul 1, 2021 Jun 30, 2022 | Feb 3, 2022 Jan 24, 2022 |
| This project will support the WSU Family Practice Program. | | | | | |
| Rex, Kimberly Ann, MHA | ODHE Clinical Teaching Subsidy <i>Ohio Department of Higher Education / State</i> | 22-0119 Contract 671344, 671345 | \$2,860,830 | Jul 1, 2021 Jun 30, 2022 | Feb 5, 2022 Jan 26, 2022 |
| This project will support WSU Clinical Teaching Program. | | | | | |
| Family Medicine (FPR55) | | 2 | \$756,875 | | |
| Hershberger, Paul John, PhD <i>Leeds, F Stuart Crawford, Dr. Timothy Nathaniel, PhD, MPH Jacobson, Michael Duane</i> | Wright MAT <i>Substance Abuse & Mental Health Services Administration / Federal</i> | 19-0372 Grant 671026 | \$149,984 | Sep 30, 2021 Sep 29, 2022 | Aug 11, 2021 Aug 3, 2021 |
| The purpose of this program is to expand/enhance access to medication-assisted treatment (MAT) services for persons with an opioid use disorder (OUD) seeking or receiving MAT through ensuring the education and training of students in the medical, physician assistant and nurse practitioner fields. | | | | | |
| Hershberger, Paul John, PhD | Health Inequities MES Project <i>Ohio State University / Educational institutions</i> | 21-0187 Subcontract 671342 | \$606,891 | Jul 1, 2021 Jun 30, 2022 | Oct 13, 2021 Oct 4, 2021 |
| Proulx, Anne M, DO; Wischgoll, Thomas, PhD; Gainer, Danielle Michelle; Crawford, Dr. Timothy Nathaniel, PhD, MPH; Binder, Bruce, PhD, MD; Gentile, Julie P, MD The researchers will develop and deliver online simulated patient experiences that address SDOH and are accessible to all Ohio Medicaid healthcare providers. | | | | | |
| Medical Education - BSOM (ASM55) | | 1 | \$244,004 | | |
| Roman, Brenda J.B., MD | ODHE Subsidy for AHEC Program <i>Ohio Department of Higher Education / State</i> | 22-0134 Grant 671474, 671475 | \$244,004 | Jul 1, 2021 Jun 30, 2023 | Feb 1, 2022 Jan 24, 2022 |
| This project will support the medical school regional area health education centers' educational programs for the continued support of medical and other health professions education. | | | | | |
| Medicine (MED55) | | 4 | \$382,237 | | |

Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAV.A.LANG.OBJECT;@1B38F12E Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| PI / Key personnel | Title / Sponsor (Key personnel / Abstract) | Project number / Grant numbers | Sponsor amount | Period | Date award submitted / Date awarded |
|--|--|--|--------------------|------------------------------|--|
| Krishnamani, Dr. Rajan, MD | CTRA - AIM POWER <i>Biofourmis, Inc. / Industry</i> | 22-0036 Grant 671438 | \$44,753 | Aug 12, 2021 Dec 31, 2022 | Nov 2, 2021 Oct 19, 2021 |
| Lamb, James F <i>Solomon, Glen D, MD Bricker, Dean Alan, MD</i> | CTRA - AIM POWER Cardi-OH - Diabetes and Cardiovascular Health <i>Case Western Reserve University / Educational institutions</i> | 21-0248 Subcontract 671471 | \$248,089 | Jul 1, 2021 Jun 30, 2022 | Jan 13, 2022 Jan 12, 2022 |
| The researchers will work within the consortium to (1) improve clinician knowledge on evidence-based practices to treat diabetes in adults and adolescents, focus on health equity, and address social determinants of health. | | | | | |
| Lamb, James F <i>Solomon, Glen D, MD</i> | Diabetes Quality Improvement Project (QIP) (Federal) <i>Case Western Reserve University / Educational institutions</i> | 22-0129 Subcontract 671498 | \$48,285 | Jul 1, 2021 Jun 30, 2022 | Mar 7, 2022 Feb 8, 2022 |
| WSU personnel will work with CWRU, ODM and project partners to meet the goal of improving diabetes outcomes in high volume Medicaid primary care practices across the state. | | | | | |
| McCoy, Luke | Dayton Children's Hospital Adult Cystic Fibrosis Center <i>Cystic Fibrosis Foundation / Non-profit</i> | 21-0210 Grant 671507 | \$41,110 | Nov 1, 2021 Oct 31, 2022 | Mar 24, 2022 Mar 14, 2022 |
| PI will expand the scope of adult CF care programs. It is intended to support physicians interested in developing expertise in the care of adults with CF. | | | | | |
| NeuroSci Cell Bio Physiology-SOM (ANM55) | | 16 | \$2,602,415 | | |
| Elbasiouny, Dr. Sherif M, Ph.D., P.E., P.Eng. | Identification of Electrophysiological Markers for Early Diagnosis of Amyotrophic Lateral Sclerosis <i>National Academy of Sciences / Non-profit</i> | 17-0075 Subcontract 670689, 670810 | \$5,624 | Apr 1, 2021 Feb 28, 2022 | Jul 2, 2021 Apr 9, 2021 |
| This project aims to combine computational modeling with animal experiments to identify early irregular patterns in nerve recordings for early diagnosis of Amyotrophic Lateral Sclerosis. | | | | | |
| Kozak, Dr. Juliusz Ashot, PhD | Sodium Influx Assay for Measurement of TRPM7 Channel Activity in Intact Cells <i>National Institute of Allergy and Infectious Diseases/NIH/ DHHS / Federal/NIH</i> | 20-0151 Grant 671145 | \$187,500 | Jun 1, 2021 May 31, 2022 | Jul 8, 2021 May 26, 2021 |
| The researchers propose to develop new tools for cell based assays of TRPM7 ion channel activity. | | | | | |

Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAVLA.LANG.OBJECT;@3C6CA745 Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| PI / Key personnel | Title / Sponsor (Key personnel / Abstract) | Project number / Grant numbers | Sponsor amount | Period | Date award submitted / Date awarded |
|--|---|------------------------------------|----------------|-----------------------------|--|
| Rich, Mark Monroe, MD, PhD Voss, Andrew Alvin, PhD | Novel Approaches to Therapy of Muscle Ion Channelopathies <i>National Institute of Arthritis & Musculoskeletal & Skin Diseases/NIH/DHHS / Federal/NIH</i> | 18-0404 Grant 670901, 670902 | \$521,840 | Apr 1, 2021 Mar 31, 2022 | Jul 12, 2021 Jun 9, 2021 |
| The goal of this project is to identify novel electrical currents responsible for the muscle dysfunction in diseases of electrical signaling. If successful, our studies will result in the development of novel therapies for patients with a number different skeletal muscle diseases. | | | | | |
| Rich, Mark Monroe, MD, PhD Walker II, Phillip Vance | Development of novel therapy for hypokalemic periodic paralysis <i>National Institute of Arthritis & Musculoskeletal & Skin Diseases/NIH/DHHS / Federal/NIH</i> | 19-0329 Grant 670901, 670972 | \$62,849 | Apr 1, 2021 Mar 31, 2022 | Jul 12, 2021 Jun 9, 2021 |
| The researchers will test the hypothesis that a novel current we discovered during studies of the muscle diseases myotonia congenita and hyperkalemic periodic paralysis also plays a central role in triggering attacks of weakness in the muscle disease hypokalemic periodic paralysis. | | | | | |
| Janson, Christopher G | Differential clearance of the pyroglutamate abeta through arachnoid and meningeal lymphatics in Alzheimer Disease. <i>National Institute on Aging/NIH/DHHS / Federal/NIH</i> | 20-0048 Grant 671031 | \$376,763 | Jul 1, 2021 Jun 30, 2022 | Jul 13, 2021 Jun 11, 2021 |
| The research is focused on alternative routes or mechanisms of clearance to resolve the problem of impaired AB brain clearance and to provide invaluable tools for the research community and to enable therapeutic discovery. | | | | | |
| Elbasiouny, Dr. Sherif M, Ph.D., P.E., P.Eng. | Motoneuronal Mechanisms Underlying Age-related Muscle Weakness <i>Ohio University / Educational institutions</i> | 21-0042 Subcontract 671372 | \$308,270 | Jun 1, 2021 Mar 31, 2022 | Jul 16, 2021 Jun 15, 2021 |
| The researchers aim to examine the motoneuronal mechanisms underlying muscle weakness during aging. | | | | | |
| Ume, Adaku C. | The Role of NFkB in Calcineurin-Induced Renal Damage <i>American Physiological Society / Professional/Academic Assoc & Soc.</i> | 21-0315 New/Original 671374 | \$28,300 | Sep 1, 2021 Aug 31, 2022 | Jul 19, 2021 Jun 21, 2021 |
| As our understanding of calcineurin signaling grows, we are able to elucidate the molecular mechanisms contributing to CNI-induced renal fibrosis. | | | | | |
| Susuki, Keiichiro Clafflin, Dr. Dragana Ivkovich, PhD | Disruption of excitable axonal domains by glucose metabolite methylglyoxal <i>National Institute of Neurological Disorders and Stroke/NIH/ DHHS / Federal/NIH</i> | 18-0433 Grant 670794, 670899 | \$330,488 | Aug 1, 2021 Jul 31, 2022 | Jul 24, 2021 Jul 9, 2021 |
| The purpose of this study is to show that the glucose metabolite methylglyoxal is involved in the neurological symptoms in neurodegenerative conditions such as diabetes. | | | | | |

Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAVLA.LANG.OBJECT;@5174CEE2 Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| PI / Key personnel | Title / Sponsor (Key personnel / Abstract) | Project number / Grant numbers | Sponsor amount | Period | Date award submitted / Date awarded |
|--|--|-----------------------------------|----------------|-----------------------------|--|
| Shelby, Jennae Nicolle <i>Rich, Mark Monroe, MD, PhD Susuki, Keiichiro</i> | Unfolding the Link Between the Endoplasmic Reticulum, AIS Shortening, and Cognitive Impairment in Type 2 Diabetes <i>National Institute of Neurological Disorders and Stroke/NIH/DHHS / Federal/NIH</i> | 21-0141 Grant 671388 | \$43,419 | Aug 1, 2021 Jul 31, 2022 | Aug 11, 2021 Jul 29, 2021 |
| The researchers will investigate cellular mechanisms responsible to uncover potential therapeutic targets while training a future physician scientist. | | | | | |
| Elbasiouny, Dr. Sherif M, Ph.D., P.E., P.Eng. | Brain-Computer Interfaces for Assessment and Enhancement of Airman and Teams in Operational Environments (BCI-AEA-TOE)** <i>Ball Aerospace / Industry</i> | 20-0316 Contract 671200 | \$51,382 | Jun 1, 2020 Sep 1, 2022 | Oct 16, 2021 Oct 5, 2021 |
| This research project aims to advance the sense-assess-augment paradigm to optimize individual and team performance in an operational environment. Here we focus on the use of non-invasive sensor suites and the application of assisted technologies to improve the mission performance of Airmen. | | | | | |
| Rich, Mark Monroe, MD, PhD <i>Wang, Dr. Qingbo</i> | Spinal Muscular Atrophy <i>Ohio State University / Educational institutions</i> | 21-0071 Grant 671443 | \$20,627 | Jul 1, 2021 Jun 30, 2022 | Nov 10, 2021 Nov 10, 2021 |
| The current proposal aims to use a novel suppressor screen to give insight into the fundamental mechanisms of mutation suppressors on Spinal Muscular Atrophy and what is important in addition it can serve as a model for understanding other neurological disorders. | | | | | |
| Brown, Thomas L., PhD | The maternal-fetal adiponectin differential and fetal fat deposition <i>University of California, San Diego / Educational institutions</i> | 19-0077 Grant 670883 | \$9,000 | Jul 1, 2019 Jun 30, 2020 | Jan 11, 2022 Jan 10, 2022 |
| Dr. Brown and his laboratory will provide training on lentiviral production, blastocyst transduction and embryo transfer into pseudopregnant females. | | | | | |
| Elbasiouny, Dr. Sherif M, Ph.D., P.E., P.Eng. | Mechanisms Underlying Excitability Regulation of Motoneuron Types in ALS Year 6-10 <i>National Institutes of Health/NIH/DHHS / Federal/NIH</i> | 21-0236 Grant 671479 | \$570,854 | Feb 1, 2022 Jan 31, 2023 | Feb 8, 2022 Jan 27, 2022 |
| The goal of this study is to investigate the ionic currents underlying the hypo-excitability changes in ALS. | | | | | |
| Brown, Thomas L., PhD | The maternal-fetal adiponectin differential and fetal fat deposition <i>University of California, San Diego / Educational institutions</i> | 19-0077 Grant 670883 | \$9,000 | Jul 1, 2020 Jun 30, 2021 | Feb 10, 2022 Feb 3, 2022 |
| Dr. Brown and his laboratory will provide training on lentiviral production, blastocyst transduction and embryo transfer into pseudopregnant females. | | | | | |

Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAV.A.LANG.OBJECT;@3CA560C5 Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| PI / Key personnel | Title / Sponsor (Key personnel / Abstract) | Project number / Grant numbers | Sponsor amount | Period | Date award submitted / Date awarded |
|---|---|-----------------------------------|-----------------|------------------------------|--|
| Brown, Thomas L., PhD | The maternal-fetal adiponectin differential and fetal fat deposition <i>University of California, San Diego / Educational institutions</i> | 19-0077 Grant 670883 | \$9,000 | Jul 1, 2021 Jun 30, 2022 | Feb 10, 2022 Feb 3, 2022 |
| Dr. Brown and his laboratory will provide training on lentiviral production, blastocyst transduction and embryo transfer into pseudopregnant females. | | | | | |
| Wrenshall, Lucile E, MD | Role of Nuclear IL-2Ra in Regulation of Vascular Smooth Muscle Cell Senescence <i>National Institute on Aging/NIH/DHHS / Federal/NIH</i> | 21-0025 Grant 671340 | \$67,500 | Mar 1, 2022 Feb 28, 2023 | Mar 14, 2022 Feb 24, 2022 |
| This proposal will determine whether nuclear localization of the cytokine receptor IL-2R alpha has a direct effect on promoting senescence in vascular smooth muscle cells. | | | | | |
| Orthopedic Surgery (OSM55) | | 2 | \$62,213 | | |
| Prayson, Michael Joseph, MD <i>Venkatarayappa, Indresh Jerele, Dr. Jennifer L Horne, Dr. Brandon R.</i> | CTRA - AQUEOUS-PREP <i>University of Maryland / Educational institutions</i> | 19-0019 Subcontract 670961 | \$47,880 | Sep 30, 2019 Sep 29, 2020 | Feb 16, 2022 Nov 27, 2019 |
| Prayson, Michael Joseph, MD <i>Venkatarayappa, Indresh Jerele, Dr. Jennifer L Horne, Dr. Brandon R.</i> | CTRA - AQUEOUS-PREP <i>University of Maryland / Educational institutions</i> | 19-0019 Subcontract 670961 | \$14,333 | Sep 30, 2021 Sep 29, 2022 | Mar 17, 2022 Mar 7, 2022 |
| Pediatrics (PED55) | | 2 | \$33,169 | | |
| Sherwin, Catherine Mary Turner, PhD | A Histamine Pharmacodynamic Biomarker to Guide Treatment in Pediatric Asthma <i>Children's Mercy Kansas City / Multiple Source</i> | 19-0217 Subcontract 671273 | \$19,169 | Jun 1, 2021 May 31, 2022 | Jul 28, 2021 Jun 15, 2021 |
| The researchers will determine the relationship between histamine pharmacodynamic response type as measured by Histamine Iontophoresis with laser Doppler monitoring (HILD) and therapeutic response to an antihistamine among children with allergic asthma. | | | | | |

Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAV.A.LANG.OBJECT;@74C9A189 Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| PI / Key personnel | Title / Sponsor (Key personnel / Abstract) | Project number / Grant numbers | Sponsor amount | Period | Date award submitted / Date awarded |
|---|---|--|--------------------|------------------------------|--|
| Sherwin, Catherine Mary Turner, PhD | Physiological-based Pharmacokinetics Approach to Determine the Extent of Drug Exposure of Antiseizure Medications During Pregnancy and Breastfeeding <i>University of Minnesota / Educational institutions</i> | 21-0326 Subcontract 671430 | \$14,000 | Aug 4, 2021 Aug 3, 2022 | Oct 12, 2021 Sep 22, 2021 |
| Dr. Sherwin will help develop PBPK models to investigate and characterize antiseizure medications throughout pregnancy and the early postpartum period. | | | | | |
| Pharmacology & Toxicology-SOM (PCL55) | | 27 | \$1,797,691 | | |
| Kemp, Mike <i>Hutcherson, Rebekah June</i> | Circadian Clock Modulating Drugs in Cancer Prevention and Treatment <i>Ohio Cancer Research Associates / Non-profit</i> | 20-0267 Contract 671170 | \$30,000 | Jul 1, 2021 Jun 30, 2022 | Sep 15, 2021 Sep 7, 2021 |
| The researchers will study and identify new treatment strategies that may be useful in the prevention and/or treatment of cancer. | | | | | |
| Travers, Jeffrey Bryant | Platelet Activating Factor and Epidermal Cytotoxicity <i>National Heart, Lung, and Blood Institute/NIH/DHHS / Federal/ NIH</i> | 19-0272 Grant 671066 | \$37,500 | Dec 1, 2020 Nov 30, 2021 | Oct 10, 2021 Jun 11, 2021 |
| Li, Gengxin; Chen, Yanfang, PhD; Bihl, Dr. Ji Chen, PhD; TBD, Biostatistician/Co-I; Cool, David, PhD | | | | | |
| The researchers will address knowledge gaps and generate new therapeutic approaches for environmental injuries. | | | | | |
| Travers, Jeffrey Bryant | Laboratory Animal Resources Care <i>Department of Veterans Affairs / Federal</i> | 20-0101 Contract 671019, 671201, 671431 | \$19,200 | Sep 30, 2021 Sep 29, 2022 | Oct 12, 2021 Sep 22, 2021 |
| Dr. Travers will provide LAR services for the VA. | | | | | |
| Sahu, Ravi P <i>Thyagarajan, Anita</i> | Defining the Novel Mechanistic Insights of the Platelet-activating Factor-receptor Axis in the Therapeutic Potential of Pancreatic Cancer <i>Pardee (Elsa U.) Foundation / Non-profit</i> | 21-0311 Grant 671432 | \$105,771 | Jul 1, 2021 Jun 30, 2022 | Oct 21, 2021 Oct 7, 2021 |
| The proposed studies will define the significance of the PAF system in human pancreatic cancer. | | | | | |
| Rapp, Ms. Christine M. | Dayton Veterans Affairs Medical Center IPA Agreement - Rapp <i>Veterans Affairs Medical Center / Federal</i> | 21-0019 Grant 671148, 671220, 671310, 671445, 671499 | \$8,788 | Oct 1, 2021 Nov 30, 2021 | Nov 15, 2021 Nov 15, 2021 |
| Ms. Rapp will be assisting in growing keratinocytes and measuring cytokines from cell and murine tissues. | | | | | |

Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAV.A.LANG.OBJECT;@76C16B41 Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
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248

| PI / Key personnel | Title / Sponsor (Key personnel / Abstract) | Project number / Grant numbers | Sponsor amount | Period | Date award submitted / Date awarded |
|--|--|--|----------------|------------------------------|--|
| Hong, Jessica Seyoun | VA IPA - Jessica Hong <i>Veterans Affairs Medical Center / Federal</i> | 22-0035 Grant 671447, 671480 | \$5,776 | Oct 19, 2021 Dec 31, 2021 | Nov 15, 2021 Nov 8, 2021 |
| Ms. Hong will coordinates day to day operations of human studies research at the Pharmacology Translational Unit on behalf of Investigators Dr. Jeffrey Travers, Dr. Craig Rohan, and Dr. Michael Kemp. | | | | | |
| Carpenter, Alex | VA IPA - Alex Carpenter <i>Veterans Affairs Medical Center / Federal</i> | 22-0033 Grant 671448, 671486 | \$13,825 | Oct 19, 2021 Dec 31, 2021 | Nov 19, 2021 Nov 15, 2021 |
| Mae Alexandra Carpenter, Ph.D. will examine the effects of DNA damaging agents on small extracellular vesicle release and content. | | | | | |
| Williams, Amy R. | Veterans Affairs Medical Center IPA Agreement - Williams <i>Veterans Affairs Medical Center / Federal</i> | 18-0363 Grant 670695, 671059, 671126, 671127, 671135 | \$10,501 | Oct 1, 2021 Nov 30, 2021 | Dec 1, 2021 Nov 30, 2021 |
| This study is designed to test whether FLR treatment of one forearm, wrist and dorsal hand will decrease the number of actinic keratosis and skin cancers developed on that arm over the next 5 years, in comparison to the untreated arm. | | | | | |
| Knisely, Christina | Veterans Affairs Medical Center IPA Agreement - Knisely <i>Veterans Affairs Medical Center / Federal</i> | 18-0362 Grant 670694, 671058, 671125, 671136 | \$14,593 | Oct 1, 2021 Nov 30, 2021 | Dec 10, 2021 Nov 30, 2021 |
| This study is designed to test whether FLR treatment of one forearm, wrist and dorsal hand will decrease the number of actinic keratosis and skin cancers developed on that arm over the next 5 years, in comparison to the untreated arm. | | | | | |
| Cates, Elizabeth E., BS | Dayton Veterans Affairs Medical Center IPA Agreement <i>Veterans Affairs Medical Center / Federal</i> | 21-0139 Grant 671296, 671458, 671488 | \$9,892 | Oct 1, 2021 Nov 30, 2021 | Dec 10, 2021 Dec 7, 2021 |
| Ms. Cates will be responsible for overseeing the day to day activities of Dr. Traver's Research. She will be involved in subject recruitment, study visits, and all correspondence and follow up per protocol guidelines. | | | | | |
| Khan, Saman | VA IPA - Khan <i>Veterans Affairs Medical Center / Federal</i> | 22-0034 Contract 671456, 671482 | \$6,421 | Oct 19, 2021 Dec 31, 2021 | Dec 10, 2021 Nov 30, 2021 |
| Dr. Khan assumes the general responsibility for the scientific operations of the laboratory. Dr. Khan is excellent at genetic screenings and has found various groups of eukaryotic mutants related to DNA replication checkpoint. | | | | | |

Grants and contracts awarded by college

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Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
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248

| PI / Key personnel | Title / Sponsor (Key personnel / Abstract) | Project number / Grant numbers | Sponsor amount | Period | Date award submitted / Date awarded |
|---|---|--|----------------|-----------------------------|--|
| Thyagarajan, Anita | Dayton VA Medical Center IPA Agreement - Anita Thyagarajan <i>Veterans Affairs Medical Center / Federal</i> | 21-0020 Grant 671198, 671219, 671307, 671463, 671490 | \$10,877 | Oct 1, 2021 Nov 30, 2021 | Dec 17, 2021 Nov 15, 2021 |
| The PI will be involved in studies defining the role of PAF-R in various COVID-19 spike proteins in pathologies such as inflammation and cancer. She will use various in-vitro cellular and molecular biology techniques, along with in-vitro mice models, which will help generate data for extramural funding and to present her findings at different national and international conferences and for peer-reviewed publications. | | | | | |
| Travers, Jeffrey Bryant | Platelet Activating Factor and Epidermal Cytotoxicity <i>National Heart, Lung, and Blood Institute/NIH/DHHS / Federal/ NIH</i> | 19-0272 Grant 671066 | \$337,500 | Dec 1, 2021 Nov 30, 2022 | Dec 28, 2021 Dec 13, 2021 |
| Li, Gengxin; Chen, Yanfang, PhD; Bihl, Dr. Ji Chen, PhD; TBD, Biostatistician/Co-I; Cool, David, PhD | | | | | |
| The researchers will address knowledge gaps and generate new therapeutic approaches for environmental injuries. | | | | | |
| Travers, Jeffrey Bryant Rohan, Craig A Sherwin, Catherine Mary Turner, PhD Cool, David, PhD | UVB Radiation-generated Microvesicle Particles as Effectors for Photosensitivity <i>National Institute of Environmental Health Sciences/NIH/ DHHS / Federal/NIH</i> | 20-0392 Grant 671339 | \$375,000 | Feb 1, 2022 Jan 31, 2023 | Feb 3, 2022 Jan 24, 2022 |
| This study will define the role of subcellular particles in ultraviolet radiation-induced skin responses. They will also test a potential treatment for photosensitivity. | | | | | |
| Hong, Jessica Seyoun | VA IPA - Jessica Hong <i>Veterans Affairs Medical Center / Federal</i> | 22-0035 Grant 671447, 671480 | \$5,776 | Jan 1, 2022 Mar 31, 2022 | Feb 9, 2022 Jan 27, 2022 |
| Ms. Hong will coordinates day to day operations of human studies research at the Pharmacology Translational Unit on behalf of Investigators Dr. Jeffrey Travers, Dr. Craig Rohan, and Dr. Michael Kemp. | | | | | |
| Khan, Saman | VA IPA - Khan <i>Veterans Affairs Medical Center / Federal</i> | 22-0034 Contract 671456, 671482 | \$6,421 | Jan 1, 2022 Mar 31, 2022 | Feb 14, 2022 Feb 14, 2022 |
| Dr. Khan assumes the general responsibility for the scientific operations of the laboratory. Dr. Khan is excellent at genetic screenings and has found various groups of eukaryotic mutants related to DNA replication checkpoint. | | | | | |

Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAV.A.LANG.OBJECT;@64053DB5 Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| PI / Key personnel | Title / Sponsor (Key personnel / Abstract) | Project number / Grant numbers | Sponsor amount | Period | Date award submitted / Date awarded |
|---|---|--|----------------|-----------------------------|--|
| Xu, Yong-jie, MD, PhD | DNA Replication Checkpoint in Fission Yeast <i>National Institute of General Medical Sciences/NIH/DHHS / Federal/NIH</i> | 21-0166 Grant 671485 | \$390,275 | Feb 1, 2022 Jan 31, 2023 | Feb 15, 2022 Jan 28, 2022 |
| This study is to understand the DNA replication checkpoint in fission yeast, a cell signaling pathway important for genomic stability in all eukaryotes and an anticancer barrier in humans. | | | | | |
| Carpenter, Alex | VA IPA - Alex Carpenter <i>Veterans Affairs Medical Center / Federal</i> | 22-0033 Grant 671448, 671486 | \$13,825 | Jan 1, 2022 Dec 31, 2022 | Feb 16, 2022 Feb 16, 2022 |
| Mae Alexandra Carpenter, Ph.D. will examine the effects of DNA damaging agents on small extracellular vesicle release and content. | | | | | |
| Cates, Elizabeth E., BS | Dayton Veterans Affairs Medical Center IPA Agreement <i>Veterans Affairs Medical Center / Federal</i> | 21-0139 Grant 671296, 671458, 671488 | \$20,385 | Dec 1, 2021 Mar 31, 2022 | Feb 18, 2022 Feb 3, 2022 |
| Ms. Cates will be responsible for overseeing the day to day activities of Dr. Traver's Research. She will be involved in subject recruitment, study visits, and all correspondence and follow up per protocol guidelines. | | | | | |
| Thyagarajan, Anita | Dayton VA Medical Center IPA Agreement - Anita Thyagarajan <i>Veterans Affairs Medical Center / Federal</i> | 21-0020 Grant 671198, 671219, 671307, 671463, 671490 | \$10,877 | Dec 1, 2021 Mar 31, 2022 | Mar 2, 2022 Mar 2, 2022 |
| The PI will be involved in studies defining the role of PAF-R in various COVID-19 spike proteins in pathologies such as inflammation and cancer. She will use various in-vitro cellular and molecular biology techniques, along with in-vitro mice models, which will help generate data for extramural funding and to present her findings at different national and international conferences and for peer-reviewed publications. | | | | | |
| Knisely, Christina | Veterans Affairs Medical Center IPA Agreement - Knisely <i>Veterans Affairs Medical Center / Federal</i> | 18-0362 Grant 670694, 671058, 671125, 671136 | \$14,593 | Dec 1, 2021 Mar 31, 2022 | Mar 4, 2022 Mar 3, 2022 |
| This study is designed to test whether FLR treatment of one forearm, wrist and dorsal hand will decrease the number of actinic keratosis and skin cancers developed on that arm over the next 5 years, in comparison to the untreated arm. | | | | | |
| Rapp, Ms. Christine M. | Dayton Veterans Affairs Medical Center IPA Agreement - Rapp <i>Veterans Affairs Medical Center / Federal</i> | 21-0019 Grant 671148, 671220, 671310, 671445, 671499 | \$8,788 | Dec 1, 2021 Mar 31, 2022 | Mar 7, 2022 Feb 4, 2022 |
| Ms. Rapp will be assisting in growing keratinocytes and measuring cytokines from cell and murine tissues. | | | | | |

Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAV.A.LANG.OBJECT;@54845355 Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| PI / Key personnel | Title / Sponsor (Key personnel / Abstract) | Project number / Grant numbers | Sponsor amount | Period | Date award submitted / Date awarded |
|---|--|--|--------------------|-----------------------------|--|
| Rapp, Ms. Christine M. | Dayton Veterans Affairs Medical Center IPA Agreement - Rapp <i>Veterans Affairs Medical Center / Federal</i> | 21-0019 Grant 671148, 671220, 671310, 671445, 671499 | \$8,788 | Dec 1, 2021 Mar 31, 2022 | Mar 7, 2022 Feb 9, 2022 |
| Ms. Rapp will be assisting in growing keratinocytes and measuring cytokines from cell and murine tissues. | | | | | |
| Kemp, Mike <i>Li, Gengxin</i> | DNA damage response kinase signaling in non-replicating human cells and tissues <i>National Institute of General Medical Sciences/NIH/DHHS / Federal/NIH</i> | 18-0219 Grant 670884 | \$268,200 | Feb 1, 2022 Jan 31, 2023 | Mar 22, 2022 Feb 2, 2022 |
| This project will examine the function of an important regulator of the DNA damage response in human cells and tissues, which is relevant to cancer development and treatment, drug toxicity, and aging. | | | | | |
| Thyagarajan, Anita | Dayton VA Medical Center IPA Agreement - Anita Thyagarajan <i>Veterans Affairs Medical Center / Federal</i> | 21-0020 Grant 671198, 671219, 671307, 671463, 671490 | \$10,877 | Dec 1, 2021 Mar 31, 2022 | Mar 23, 2022 Mar 10, 2022 |
| The PI will be involved in studies defining the role of PAF-R in various COVID-19 spike proteins in pathologies such as inflammation and cancer. She will use various in-vitro cellular and molecular biology techniques, along with in-vitro mice models, which will help generate data for extramural funding and to present her findings at different national and international conferences and for peer-reviewed publications. | | | | | |
| Kemp, Mike <i>Travers, Jeffrey Bryant</i> | Circadian clock disruption: A risk factor for environmental carcinogenesis <i>North Carolina State University / Educational institutions</i> | 19-0349 Subcontract 671287 | \$44,454 | Nov 1, 2021 Oct 31, 2022 | Mar 24, 2022 Mar 16, 2022 |
| The goal of this project is to determine whether night shift workers have a reduced ability to repair DNA damage in their skin caused by exposure to UV light. | | | | | |
| Rapp, Ms. Christine M. | Dayton Veterans Affairs Medical Center IPA Agreement - Rapp <i>Veterans Affairs Medical Center / Federal</i> | 21-0019 Grant 671148, 671220, 671310, 671445, 671499 | \$8,788 | Dec 1, 2021 Mar 31, 2022 | Mar 24, 2022 Mar 10, 2022 |
| Ms. Rapp will be assisting in growing keratinocytes and measuring cytokines from cell and murine tissues. | | | | | |
| Population and Public Health Sci (CMH55) | | 11 | \$2,632,828 | | |

Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAV.A.LANG.OBJECT;@6F35BC5E Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| PI / Key personnel | Title / Sponsor (Key personnel / Abstract) | Project number / Grant numbers | Sponsor amount | Period | Date award submitted / Date awarded |
|--|---|--|----------------|------------------------------|--|
| Ford, Jo Ann, MRC | Day-TREE <i>Substance Abuse & Mental Health Services Administration / Federal</i> | 18-0348 Grant 670807 | \$539,807 | Sep 30, 2021 Sep 29, 2022 | Aug 12, 2021 Aug 3, 2021 |
| This study will enhance and expand comprehensive treatment, early intervention, and recovery support services for transitional aged youth and young adults (ages 16-25), and their families/primary caregivers to reduce the prevalence and severity of substance use disorders and/or co-occurring substance use and mental health disorders. | | | | | |
| Wilson, Josephine F., DDS <i>Trim, Jeremy P. Embree, Mr. Jared Arthur, MA Kapp, Valerie A.</i> | Virtual Office Space (VOS): Improving Employment Opportunities for Individuals <i>Administration for Community Living/DHHS / Federal</i> | 19-0248 Grant 670998, 671206, 671400 | \$199,932 | Sep 30, 2021 Sep 29, 2022 | Aug 27, 2021 Aug 18, 2021 |
| For this proof of product development project, the researchers will develop and evaluate a fully-integrated, high resolution virtual desktop for individuals with low vision, which can be accessed online from home or the workplace. | | | | | |
| Nahas, Ramzi W., PhD | Support of the COVID-19 Vaccine Communication and Education <i>Karna, LLC. / Industry</i> | 21-0291 Subcontract 671341 | \$16,000 | May 17, 2021 Dec 22, 2021 | Oct 5, 2021 Sep 28, 2021 |
| The researchers will provide technical support to Karna, LLC on the COVID-19 Vaccine Communication and Education Support contract. The principal duties are research design, analysis, reporting, interpretation and utilization of results. | | | | | |
| Nahas, Ramzi W., PhD | Support of the COVID-19 Vaccine Communication and Education <i>Karna, LLC. / Industry</i> | 21-0291 Subcontract 671341 | \$10,000 | May 17, 2021 Dec 22, 2021 | Oct 27, 2021 Oct 18, 2021 |
| The researchers will provide technical support to Karna, LLC on the COVID-19 Vaccine Communication and Education Support contract. The principal duties are research design, analysis, reporting, interpretation and utilization of results. | | | | | |
| Kinzeler, Dr. Nicole, PhD <i>Kissell, Kevin Michael</i> | Evaluation Services for Montgomery County Juvenile Court <i>Montgomery County Juvenile Court / Other government</i> | 22-0037 Subcontract 671436 | \$28,350 | Jul 21, 2021 Jun 30, 2022 | Oct 27, 2021 Oct 15, 2021 |
| Montgomery County Juvenile Court has received a Subsidy Grant to support their behavioral change programs. The SARDI Program in BSOM will provide evaluation services to support this grant project. | | | | | |
| Kinzeler, Dr. Nicole, PhD <i>Crawford, Dr. Timothy Nathaniel, PhD, MPH</i> | SARDI Evaluation of the Ohio Disaster Relief Project <i>Montgomery County ADAMH Services Board / Other government</i> | 22-0101 Subcontract 671464 | \$279,218 | Sep 30, 2021 Sep 29, 2022 | Dec 17, 2021 Dec 13, 2021 |
| This study will provide evaluation support for the Ohio Disaster Relief Project (ODRP). | | | | | |

Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAVLA.LANG.OBJECT;@29D1B9E3 Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| PI / Key personnel | Title / Sponsor (Key personnel / Abstract) | Project number / Grant numbers | Sponsor amount | Period | Date award submitted / Date awarded |
|--|---|---|------------------|------------------------------|--|
| Ford, Jo Ann, MRC | The Offender Reentry Program <i>Substance Abuse & Mental Health Services Administration / Federal</i> | 18-0197 Grant 671094 | \$424,975 | Jan 15, 2022 Jan 14, 2023 | Jan 3, 2022 Dec 21, 2021 |
| The study is designed to decrease recidivism rates in the county and reduce substance use while improving quality of life for adults reentering the community from incarceration. We will provide case management and peer related services after incarceration and will complete intake and follow up interviews to collect data. | | | | | |
| Kinzeler, Dr. Nicole, PhD <i>Ford, Jo Ann, MRC Crawford, Dr. Timothy Nathaniel, PhD, MPH</i> | GPRA Evaluation, Training, Data Collection and Reporting For Ohio's State Opioid Response Grant 2.0. <i>Ohio Department of Mental Health and Addiction Services / State</i> | 22-0105 Subcontract 671470 | \$1,022,049 | Sep 30, 2021 Sep 29, 2022 | Jan 6, 2022 Jan 5, 2022 |
| The SARDI program will be providing evaluation, GPRA training, data collection and reporting support for Ohio's State Opioid Response Grant 2.0. | | | | | |
| Kinzeler, Dr. Nicole, PhD <i>Huber, Jon-Michael</i> | Program Evaluation for the Pickaway Addiction Action Coalition's (PAAC) Drug-Free Communities (DFC) Grant <i>Pickaway Addiction Action Coalition / Other government</i> | 22-0131 Grant 671477 | \$12,497 | Oct 1, 2021 Sep 30, 2022 | Feb 5, 2022 Jan 26, 2022 |
| SARDI will provide evaluation services to the Pickaway Addiction Action Coalition (PAAC) for their CDC Drug-Free Communities (DFC) grant. | | | | | |
| Kinzeler, Dr. Nicole, PhD <i>Huber, Jon-Michael McGlone, Connie</i> | Evaluation of the Zero Suicide Project for Montgomery County <i>Montgomery County ADAMH Services Board / Other government</i> | 22-0156 Subcontract 671492 | \$80,000 | Aug 31, 2021 Aug 30, 2022 | Mar 3, 2022 Feb 4, 2022 |
| The Substance Abuse Resources and Disability Issues (SARDI) program in the Boonshoft School of Medicine at Wright State University will provide evaluation support to the ADAMHS Board's Zero Suicide in Health Systems project. The evaluation team will provide GPRA training and support for providers, will perform all evaluation duties related to GPRA data entry and analysis, and generate reports for the ADAMHS Board, local providers, and SAMHSA. | | | | | |
| Silverstein, Sydney Meredith | Community Overdose Action Team & Grants Management Plan - Casey Smith Maternity Leave <i>Public Health Dayton and Montgomery County / Other government</i> | 22-0187 Cooperative Agreement 671505 | \$20,000 | Mar 1, 2022 Feb 28, 2023 | Mar 23, 2022 Mar 7, 2022 |
| This public service contract will cover the time necessary to do the work of Casey Smith, Project Manager for the Community Overdose Action Team (COAT) during her maternity leave. | | | | | |
| Psychiatry (PYC55) | | 11 | \$845,500 | | |

Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAV.A.LANG.OBJECT;@16A6A62F Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| PI / Key personnel | Title / Sponsor (Key personnel / Abstract) | Project number / Grant numbers | Sponsor amount | Period | Date award submitted / Date awarded |
|--|--|-----------------------------------|----------------|-----------------------------|--|
| Gainer, Danielle Michelle | Rural General Psychiatry <i>Ohio Department of Mental Health and Addiction Services / State</i> | 21-0284 Grant 671387 | \$10,000 | Jul 1, 2021 Jun 30, 2022 | Aug 11, 2021 Aug 5, 2021 |
| This grant will continue to support WSU's aim of improving the quality of psychiatric services in rural areas of Ohio and increasing psychiatrists working within the public mental health sector. | | | | | |
| Gentile, Julie P, MD <i>Cowan, Allison</i> | Ohio's Coordinating Center of Excellence in Mental Illness/ Intellectual Disability <i>Ohio Department of Mental Health and Addiction Services / State</i> | 21-0242 Grant 671391 | \$85,500 | Jul 1, 2021 Jun 30, 2022 | Aug 17, 2021 Jul 27, 2021 |
| The Coordinating Center of Excellence in MI/ID provides educational programs and statewide second opinion psychiatric assessments and ongoing psychiatric services via the statewide telepsychiatry program. | | | | | |
| Gentile, Julie P, MD <i>Cowan, Allison Harper, Kari Sharyce Gainer, Danielle Michelle</i> | DODD Resident Training Grant <i>Ohio Department of Developmental Disabilities / State</i> | 21-0243 Contract 671399 | \$90,000 | Jul 1, 2021 Jun 30, 2022 | Aug 20, 2021 Jul 28, 2021 |
| The goal of this project is to provide funding support for academic physicians and resident salary support to increase the workforce for the provision of evidence based patient care for patients with MI/ID. | | | | | |
| Gentile, Julie P, MD <i>Cowan, Allison Harper, Kari Sharyce Gainer, Danielle Michelle</i> | DODD Resident Training Grant <i>Ohio Department of Developmental Disabilities / State</i> | 21-0243 Contract 671399 | \$90,000 | Jul 1, 2022 Jun 30, 2023 | Aug 20, 2021 Jul 28, 2021 |
| The goal of this project is to provide funding support for academic physicians and resident salary support to increase the workforce for the provision of evidence based patient care for patients with MI/ID. | | | | | |
| Mast, Ryan Christopher | Child and Adolescent Psychiatry <i>Ohio Department of Mental Health and Addiction Services / State</i> | 22-0019 Grant 671394 | \$35,000 | Jul 1, 2021 Jun 30, 2022 | Aug 21, 2021 Aug 17, 2021 |
| This grant is requested for partial support of the salary of Ryan Mast, D.O., as Training Director for the residency in Child and Adolescent Psychiatry at Wright State University Boonshoft School of Medicine. This support allows Dr. Mast to direct his full effort to the training program, relieving him of responsibility for activities unrelated to the educational mission of the program. | | | | | |

Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAV.A.LANG.OBJECT;@5B365A2C Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| PI / Key personnel | Title / Sponsor (Key personnel / Abstract) | Project number / Grant numbers | Sponsor amount | Period | Date award submitted / Date awarded |
|---|--|-----------------------------------|----------------|-----------------------------|--|
| Merrill, Brian | Community General Psychiatry <i>Ohio Department of Mental Health and Addiction Services / State</i> | 22-0020 Grant 671392 | \$30,000 | Jul 1, 2021 Jun 30, 2022 | Aug 26, 2021 Aug 17, 2021 |
| This funding will continue the Professorship of Community Psychiatry partnership with the Ohio Department of Mental Health and Addiction Services to improve the quality of clinical services in the region and enhance the training programs in public sector psychiatry. | | | | | |
| Merrill, Brian | Adult Psychiatry <i>Ohio Department of Mental Health and Addiction Services / State</i> | 22-0021 Grant 671393 | \$15,000 | Jul 1, 2021 Jun 30, 2022 | Aug 26, 2021 Aug 17, 2021 |
| This funding will continue the Professorship of Adult General Psychiatry partnership with the Ohio Department of Mental Health and Addiction Services to improve the quality of clinical services in the region and enhance the training programs in public sector psychiatry. Dr. Merrill is taking over the funding from Dr. Welton in this grant year. | | | | | |
| Gentile, Julie P, MD | Professorship of Intellectual Disability/Mental Illness Residency Training <i>Montgomery County ADAMH Services Board / Other government</i> | 21-0276 Contract 671403 | \$30,000 | Jul 1, 2021 Jun 30, 2022 | Aug 27, 2021 Aug 19, 2021 |
| The Professorship supports a faculty position through Wright State Psychiatry to provide clinical services and supervision of psychiatry residents and medical students in a CMHC focused on Intellectual Disability. | | | | | |
| Mast, Ryan Christopher | Child Psychiatry Placements <i>Montgomery County ADAMH Services Board / Other government</i> | 21-0281 Grant 671402 | \$150,000 | Jul 1, 2021 Jun 30, 2022 | Aug 27, 2021 Aug 19, 2021 |
| This project provides support/stipends for the training of two residents (fellows) in Child and Adolescent Psychiatry. These residents train, serve and provide programmatic support in community mental health settings. | | | | | |
| Gentile, Julie P, MD Mast, Ryan Christopher Cowan, Allison Harper, Kari Sharyce Harper, Bethany L. | Ohio's Telepsychiatry Project in Intellectual Disability <i>Ohio Department of Developmental Disabilities / State</i> | 21-0244 Grant 671433 | \$250,000 | Jul 1, 2021 Jun 30, 2022 | Oct 21, 2021 Oct 7, 2021 |
| Ohio's Telepsychiatry Project for Intellectual Disability provides specialized mental health services to rural communities. After ten years, over 1,650 complex needs patients with intellectual disabilities are engaged. | | | | | |



Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAVA.LANG.OBJECT;@7F663711 Program type: ALL Instrument type: ALL Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| PI / Key personnel | Title / Sponsor (Key personnel / Abstract) | Project number / Grant numbers | Sponsor amount | Period | Date award submitted / Date awarded |
|--|---|-----------------------------------|-----------------|------------------------------|--|
| Gentile, Julie P, MD Cowan, Allison Harper, Kari Sharyce Gainer, Danielle Michelle | Residency Traineeship Program for Psychiatric Residents in Dual Diagnosis - MI/DD Ohio Department of Developmental Disabilities / State | 20-0067 Contract 671040 | \$60,000 | Oct 1, 2020 Sep 30, 2021 | Nov 29, 2021 Nov 19, 2021 |
| This funding will provide FY2018-FY2019 funds for faculty positions for training in psychiatric services to the mentally disabled. | | | | | |
| Research Affairs-SOM (RAM55) | | 3 | \$57,743 | | |
| Dudley, Emily Suzanne, DVM | Biopsy Study Devicor Medical Products, Inc. / Industry | 20-0171 Grant 671025 | \$11,063 | Jul 1, 2022 Jun 30, 2023 | Sep 14, 2021 Mar 6, 2020 |
| Wright State University will support the testing of biopsy devices. | | | | | |
| Dudley, Emily Suzanne, DVM | Biopsy Study Devicor Medical Products, Inc. / Industry | 20-0171 Grant 671025 | \$7,574 | Jul 1, 2019 Jun 30, 2022 | Dec 30, 2021 Dec 20, 2021 |
| Wright State University will support the testing of biopsy devices. | | | | | |
| Daniels, Jennifer Lynn Fishbein, Dr. Gary | CTRA - ELEGANCE Boston Scientific Corporation / Industry | 22-0125 Subcontract 671481 | \$39,107 | Dec 6, 2021 Dec 31, 2026 | Feb 10, 2022 Feb 3, 2022 |
| CTRA - ELEGANCE | | | | | |
| Surgery (SUR55) | | 1 | \$62,371 | | |
| Woods, Randy J., MD | CTRA - TU100 Syneos Health, LLC / Industry | 21-0303 Subcontract 671369 | \$62,371 | May 19, 2021 Sep 30, 2023 | Jul 12, 2021 Jun 8, 2021 |
| CTRA - TU100 | | | | | |
| University Libraries (ULIB) | | 1 | \$1,000 | | |
| Library Administration (ULIBA) | | 1 | \$1,000 | | |



Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAV.A.LANG.OBJECT;@6E03169C Program type: ALL Instrument type: ALL Show abstract: true PI: ALL Inv: ALL

Proj \$52,151,465
Spon \$48,932,523
248

| PI / Key personnel | Title / Sponsor (Key personnel / Abstract) | Project number / Grant numbers | Sponsor amount | Period | Date award submitted / Date awarded |
|---|--|-----------------------------------|----------------|------------------------------|--|
| Wilhoit, Karen H. | Celebrating Ohio Book Awards & Authors <i>State Library of Ohio / State</i> | 22-0196 Grant 671509 | \$1,000 | Mar 1, 2022 Feb 28, 2023 | Mar 25, 2022 Mar 17, 2022 |
| The purchase of COBAA titles will support students and faculty in the African and African American Studies, English, and Women, Gender and Sexuality Studies programs in the College of Liberal Arts. | | | | | |
| V Prov Acad Aff & Dean Grad School (CI) | | 2 | \$77,952 | | |
| AP-Associate Provost (VPCIA) | | 2 | \$77,952 | | |
| Kahrig, Dr. Tammy, PhD | CTAV FY21 <i>Ohio Department of Higher Education / State</i> | 21-0148 Subcontract 671327 | \$1,500 | Nov 23, 2021 Jun 30, 2022 | Dec 29, 2021 Dec 19, 2021 |
| This project supports the implementation of policies and procedures to support successful transfer of Career-Technical courses through the states CTAG/CTAV initiatives. | | | | | |
| Kahrig, Dr. Tammy, PhD | Support for Position of Senior Associate Director, SCTAI, FY2022 <i>Ohio Department of Higher Education / State</i> | 22-0132 Subcontract 671469 | \$76,452 | Oct 6, 2021 Jun 30, 2022 | Jan 4, 2022 Dec 28, 2021 |
| This project continues support for the Senior Associate Director SCTAI. (Ben Parrot) | | | | | |
| VP - Student Success (EM) | | 6 | \$7,581,864 | | |
| Financial Aid (FIA55) | | 2 | \$7,244,876 | | |
| Everhart, Kim | Pell Grant Program 2020-2021 <i>Department of Education / Federal</i> | 20-0382 Grant 671081 | \$895,070 | Apr 1, 2021 Jun 30, 2022 | Jul 5, 2021 Jun 15, 2021 |
| These funds support PELL grants for students. | | | | | |
| Everhart, Kim | Pell Grant Program 2020-2021 <i>Department of Education / Federal</i> | 20-0382 Grant 671081 | \$6,349,806 | Apr 1, 2021 Jun 30, 2022 | Jan 3, 2022 Dec 22, 2021 |
| These funds support PELL grants for students. | | | | | |
| VP - Student Success Admin (EMD55) | | 4 | \$336,988 | | |

Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAVIA.LANG.OBJECT;@77946D36 Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| PI / Key personnel | Title / Sponsor (Key personnel / Abstract) | Project number / Grant numbers | Sponsor amount | Period | Date award submitted / Date awarded |
|---|---|-----------------------------------|------------------|-----------------------------|--|
| Everhart, Kim | Science, Mathematics, and Research for Transformation (SMART) Defense Scholarship Program 2021-2022 <i>American Society for Engineering Education / Non-profit</i> | 22-0029 Subcontract 671390 | \$113,976 | Aug 1, 2021 Apr 30, 2022 | Aug 13, 2021 Aug 12, 2021 |
| The SMART Scholarship recipients will collaborate with their mentors to support the AFRL/HE Human Measurement and Signal INTElligence (H-MASINT) program. | | | | | |
| Everhart, Kim | Science, Mathematics, and Research for Transformation (SMART) Defense Scholarship Program 2021-2022 <i>American Society for Engineering Education / Non-profit</i> | 22-0029 Subcontract 671390 | \$18,996 | Aug 1, 2021 Apr 30, 2022 | Sep 20, 2021 Sep 10, 2021 |
| The SMART Scholarship recipients will collaborate with their mentors to support the AFRL/HE Human Measurement and Signal INTElligence (H-MASINT) program. | | | | | |
| Sanders, Donikea R | ACHIEVE: A Chance to Have and Improve the Experience and Value of Education <i>Department of Education / Federal</i> | 20-0038 Grant 670845 | \$194,816 | Oct 1, 2021 Sep 30, 2022 | Oct 16, 2021 Oct 8, 2021 |
| The renewal project will continue to increase access to postsecondary education for low-income student parents through the provision of child care services at Mini University. | | | | | |
| Sanders, Donikea R | GEAR UP Scholarships AY 21/22 <i>Ohio Department of Higher Education / State</i> | 22-0076 Subcontract 670276 | \$9,200 | Jul 1, 2021 Jun 30, 2022 | Oct 25, 2021 Oct 11, 2021 |
| Funds will support scholarships for Wright State University students participating in the US Department of Education's GEAR UP program. | | | | | |
| VP-Research & Graduate Studies (RG) | | 6 | \$215,634 | | |
| Wright State Research Institute (WSRI5) | | 6 | \$215,634 | | |
| Harchick, Bill <i>Napier, Sarah</i> | Secure, Live, Virtual, and Constructive Operations in Personnel Recovery Missions and Training <i>L3Harris / Industry</i> | 21-0211 Subcontract 671363 | \$40,000 | May 27, 2021 Sep 8, 2021 | Jul 6, 2021 Jun 3, 2021 |
| The researchers will assist with developing, validating, and maintaining the testbed architecture, data and infrastructure for mission training support. | | | | | |

Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAV.A.LANG.OBJECT;@439CDABF Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| PI / Key personnel | Title / <i>Sponsor</i> (Key personnel / Abstract) | Project number / <i>Grant numbers</i> | Sponsor amount | Period | Date award submitted / <i>Date awarded</i> |
|---|--|--|------------------|-----------------------------|---|
| Harchick, Bill <i>Napier, Sarah</i> | Tactical Rescue and Medical Training <i>Bloodstone Division LLC / Industry</i> | 21-0270 Subcontract 671362 | \$53,876 | Jun 22, 2021 Aug 5, 2021 | Jul 6, 2021 <i>Jun 22, 2021</i> |
| The WSU researchers will assist the Bureau of Alcohol, Tobacco, Firearms & Explosives (ATF) with Tactical Rescue and Medical Training using Perfused Cadavers under realistic conditions. | | | | | |
| Harchick, Bill <i>Napier, Sarah</i> | Secure, Live, Virtual, and Constructive Operations in Personnel Recovery Missions and Training <i>L3Harris / Industry</i> | 21-0211 Subcontract 671363 | \$25,000 | Sep 8, 2021 Sep 8, 2022 | Oct 16, 2021 <i>Oct 6, 2021</i> |
| The researchers will assist with developing, validating, and maintaining the testbed architecture, data and infrastructure for mission training support. | | | | | |
| Napier, Sarah <i>Harchick, Bill</i> | Advanced Trauma Life Support Program <i>Air Force Research Laboratory / Federal</i> | 22-0079 Grant 671434 | \$37,713 | Oct 1, 2021 Sep 30, 2022 | Oct 26, 2021 <i>Oct 26, 2021</i> |
| The ATLS Course provides education to Flight Doctor's from the United States Air Force School of Aerospace Medicine, to be better prepared for field trauma situations. | | | | | |
| Harchick, Bill <i>Napier, Sarah</i> | Air Force Operational Medicine (AFOM) 101 <i>Air Force Research Laboratory / Federal</i> | 22-0080 Grant 671441 | \$30,320 | Oct 1, 2021 Sep 30, 2022 | Nov 3, 2021 <i>Oct 26, 2021</i> |
| AFOM 101 is designed to introduce students to the "Fundamentals of Aerospace Medicine"and the unique aeromedical issues pertinent to the flight environment. | | | | | |
| Harchick, Bill <i>Napier, Sarah</i> | USAFSAM Chemical, Biological, Radiological, Nuclear, and Explosive Training Course <i>Air Force Research Laboratory / Federal</i> | 22-0081 Grant 671440 | \$28,725 | Oct 1, 2021 Sep 30, 2022 | Nov 3, 2021 <i>Oct 26, 2021</i> |
| This course is designed to familiarize students with Air Force Chemical Warfare ensemble and how to provide medical care in a CBRNE environment. | | | | | |
| VP-Student Affairs (SA) | | 3 | \$295,659 | | |
| Counseling & Wellness Svcs Operating (CWS55) | | 1 | \$30,312 | | |
| Biesemeyer, Destinee N <i>Rando, Robert A., PhD</i> | On-Going Wraparound Services for Victims of Crime <i>Ohio Office of the Attorney General / State</i> | 21-0334 Subcontract 671500 | \$30,312 | Oct 1, 2021 Sep 30, 2022 | Mar 8, 2022 <i>Feb 9, 2022</i> |
| This renewal project is intended to continue survivor advocacy and case management services on Wright State's Campus. | | | | | |



Grants and contracts awarded by college

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAVA.LANG.OBJECT;@2033624B Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| PI / Key personnel | Title / <i>Sponsor</i> (Key personnel / Abstract) | Project number / <i>Grant numbers</i> | Sponsor amount | Period | Date award submitted / <i>Date awarded</i> |
|---|---|--|---------------------|-----------------------------|---|
| Intercollegiate Athletics (IAC55) | | 2 | \$265,347 | | |
| Brown, Joylynn M <i>Hill, Sara Jane</i> | Academic Enhancement Fund <i>Horizon League / Educational institutions</i> | 22-0026 Grant 696778 | \$195,402 | Sep 1, 2021 Aug 31, 2022 | Aug 19, 2021 <i>Aug 11, 2021</i> |
| The purpose of this award is to provide direct benefits to student athletes or their families as determined by conference offices. | | | | | |
| Brown, Joylynn M <i>Hill, Sara Jane</i> | NCAA Academic Performance Funds 2021-2022 <i>Horizon League / Educational institutions</i> | 22-0027 Grant 671175 | \$69,945 | Jul 1, 2021 Jun 30, 2022 | Aug 19, 2021 <i>Aug 12, 2021</i> |
| The academic performance fund is distributed to conferences based on the academic performance of active and qualifying Division I institutions. | | | | | |
| | | 248 | \$48,932,523 | | |

Grants and contracts awarded by college: Summary

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [Ljava.lang.Object;@48DDC90B Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| | Count | Sponsor | F&A | TDC | Project |
|---|-----------|---------------------|--------------------|--------------------|---------------------|
| College of Science & Mathematics (COSM) | 28 | \$2,161,364 | \$419,032 | \$1,797,177 | \$2,216,208 |
| Biological Sciences (BIO55) | 5 | \$506,283 | \$47,968 | \$458,315 | \$506,283 |
| Chemistry (CHM55) | 1 | \$2,962 | \$987 | \$1,974 | \$2,962 |
| College of Science & Math Admin (COSMA) | 1 | \$378,540 | \$78,385 | \$300,155 | \$378,540 |
| Earth and Environmental Sciences (GLY55) | 3 | \$413,002 | \$77,999 | \$372,027 | \$450,026 |
| Mathematics & Statistics (MTH55) | 5 | \$86,622 | \$18,239 | \$68,383 | \$86,622 |
| Physics (PHY55) | 6 | \$260,964 | \$79,207 | \$199,577 | \$278,784 |
| Psychology (PSY55) | 4 | \$97,884 | \$30,590 | \$67,294 | \$97,884 |
| Semiconductor Research Center (SRC55) | 3 | \$415,109 | \$85,657 | \$329,452 | \$415,109 |
| Division of Finance (BF) | 3 | \$2,961,601 | \$0 | \$2,961,601 | \$2,961,601 |
| AVP-Financial Operations (VPBFA) | 3 | \$2,961,601 | \$0 | \$2,961,601 | \$2,961,601 |
| Engineering & Computer Science (CECS) | 56 | \$10,681,585 | \$1,560,048 | \$9,599,098 | \$11,159,146 |
| Biomed Indust & Human Factor Engr (BME55) | 4 | \$976,834 | \$165,971 | \$810,863 | \$976,834 |
| College of Eng & Computer Sci Admin (CECS5) | 2 | \$91,510 | \$22,937 | \$97,003 | \$119,940 |
| Computer Science (CSC55) | 9 | \$5,917,002 | \$537,248 | \$5,678,731 | \$6,215,979 |
| Electrical Engineering (EEG55) | 19 | \$2,615,255 | \$686,279 | \$1,928,976 | \$2,615,255 |
| Mechanical & Materials Engineering (MEG55) | 22 | \$1,080,984 | \$147,613 | \$1,083,525 | \$1,231,138 |
| Health, Education, and Human Services (CHEH) | 23 | \$6,419,845 | \$202,483 | \$6,217,362 | \$6,419,845 |
| College of Educ & Human Svcs Admin (CEHSA) | 1 | \$4,339,766 | \$0 | \$4,339,766 | \$4,339,766 |
| Leadership Studies in Educ (LDR55) | 1 | \$80,566 | \$22,737 | \$57,829 | \$80,566 |
| Professional Psychology (PSI55) | 3 | \$90,067 | \$5,977 | \$84,090 | \$90,067 |
| School of Professional Psychology (SOPPA) | 15 | \$1,568,879 | \$161,699 | \$1,407,180 | \$1,568,879 |
| Social Work (SOW55) | 1 | \$118,250 | \$0 | \$118,250 | \$118,250 |
| Teacher Education (TED55) | 2 | \$222,317 | \$12,070 | \$210,247 | \$222,317 |
| Inclusive Excellence (CDO55) | 1 | \$76,815 | \$0 | \$76,815 | \$76,815 |
| Inclusive Excellence (CDO55) | 1 | \$76,815 | \$0 | \$76,815 | \$76,815 |

Grants and contracts awarded by college: Summary

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [Ljava.lang.Object;@5752396C Program type: ALL Instrument type: ALL
Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
Spon **\$48,932,523**
248

| | Count | Sponsor | F&A | TDC | Project |
|--|-----------|---------------------|--------------------|---------------------|---------------------|
| Lake Campus (LAKE) | 5 | \$140,816 | \$53,542 | \$151,650 | \$205,192 |
| Lake Campus Admin (LAKEA) | 2 | \$26,644 | \$0 | \$26,644 | \$26,644 |
| Lake Campus Engineering Technology (LCH55) | 1 | \$15,968 | \$3,656 | \$12,312 | \$15,968 |
| Lake Campus Science & Mathematics (LCM55) | 2 | \$98,204 | \$49,886 | \$112,694 | \$162,580 |
| Liberal Arts | 6 | \$186,567 | \$49,684 | \$143,242 | \$192,926 |
| Art & Art History (ART55) | 2 | \$7,291 | \$3,068 | \$10,582 | \$13,650 |
| English Language & Literatures (ENG55) | 2 | \$167,780 | \$44,949 | \$122,831 | \$167,780 |
| History (HST55) | 2 | \$11,496 | \$1,667 | \$9,829 | \$11,496 |
| Provost (PV) | 5 | \$1,247,494 | \$59,405 | \$1,188,090 | \$1,247,494 |
| Provost (PRO55) | 5 | \$1,247,494 | \$59,405 | \$1,188,090 | \$1,247,494 |
| Retention (RETN) | 13 | \$2,544,200 | \$0 | \$4,925,400 | \$4,925,400 |
| Student Success Services (UVCLA) | 13 | \$2,544,200 | \$0 | \$4,925,400 | \$4,925,400 |
| School of Medicine (SOMD) | 90 | \$14,340,127 | \$2,665,334 | \$11,901,821 | \$14,567,151 |
| Biochemistry/Molecular Biology-SOM (BYM55) | 7 | \$1,268,782 | \$350,697 | \$918,085 | \$1,268,782 |
| Business Office-SOM (BOM55) | 3 | \$3,594,301 | \$197,247 | \$3,397,054 | \$3,594,301 |
| Family Medicine (FPR55) | 2 | \$756,875 | \$53,396 | \$703,479 | \$756,875 |
| Medical Education - BSOM (ASM55) | 1 | \$244,004 | \$0 | \$244,004 | \$244,004 |
| Medicine (MED55) | 4 | \$382,237 | \$117,238 | \$492,023 | \$609,261 |
| NeuroSci Cell Bio Physiology-SOM (ANM55) | 16 | \$2,602,415 | \$790,687 | \$1,811,729 | \$2,602,415 |
| Orthopedic Surgery (OSM55) | 2 | \$62,213 | \$12,838 | \$49,375 | \$62,213 |
| Pediatrics (PED55) | 2 | \$33,169 | \$11,057 | \$22,112 | \$33,169 |
| Pharmacology & Toxicology-SOM (PCL55) | 27 | \$1,797,691 | \$484,342 | \$1,313,349 | \$1,797,691 |
| Population and Public Health Sci (CMH55) | 11 | \$2,632,828 | \$616,393 | \$2,016,435 | \$2,632,828 |
| Psychiatry (PYC55) | 11 | \$845,500 | \$4,286 | \$841,214 | \$845,500 |
| Research Affairs-SOM (RAM55) | 3 | \$57,743 | \$14,283 | \$43,461 | \$57,743 |
| Surgery (SUR55) | 1 | \$62,371 | \$12,870 | \$49,501 | \$62,371 |



Grants and contracts awarded by college: Summary

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAVA.LANG.OBJECT;@6A227F6 Program type: ALL Instrument type: ALL Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
 Spon **\$48,932,523**
248

| | Count | Sponsor | F&A | TDC | Project |
|--|------------|---------------------|--------------------|---------------------|---------------------|
| University Libraries (ULIB) | 1 | \$1,000 | \$0 | \$1,000 | \$1,000 |
| Library Administration (ULIBA) | 1 | \$1,000 | \$0 | \$1,000 | \$1,000 |
| V Prov Acad Aff & Dean Grad School (CI) | 2 | \$77,952 | \$3,641 | \$74,311 | \$77,952 |
| AP-Associate Provost (VPCIA) | 2 | \$77,952 | \$3,641 | \$74,311 | \$77,952 |
| VP - Student Success (EM) | 6 | \$7,581,864 | \$14,431 | \$7,567,433 | \$7,581,864 |
| Financial Aid (FIA55) | 2 | \$7,244,876 | \$0 | \$7,244,876 | \$7,244,876 |
| VP - Student Success Admin (EMD55) | 4 | \$336,988 | \$14,431 | \$322,557 | \$336,988 |
| VP-Research & Graduate Studies (RG) | 6 | \$215,634 | \$71,878 | \$143,756 | \$215,634 |
| Wright State Research Institute (WSRI5) | 6 | \$215,634 | \$71,878 | \$143,756 | \$215,634 |
| VP-Student Affairs (SA) | 3 | \$295,659 | \$10,233 | \$293,004 | \$303,237 |
| Counseling & Wellness Svs Operating (CWS55) | 1 | \$30,312 | \$10,233 | \$27,657 | \$37,890 |
| Intercollegiate Athletics (IAC55) | 2 | \$265,347 | \$0 | \$265,347 | \$265,347 |
| Total: | 248 | \$48,932,523 | \$5,109,711 | \$47,041,760 | \$52,151,465 |



Grants and contracts awarded by college: Grand summary

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [Ljava.lang.Object;@385ABBC3 Program type: ALL Instrument type: ALL Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
 Spon **\$48,932,523**
248

| College | Count | Sponsor | F&A | TDC | Project |
|--|------------|---------------------|--------------------|---------------------|---------------------|
| College of Science & Mathematics (COSM) | 28 | \$2,161,364 | \$419,032 | \$1,797,177 | \$2,216,208 |
| Division of Finance (BF) | 3 | \$2,961,601 | \$0 | \$2,961,601 | \$2,961,601 |
| Engineering & Computer Science (CECS) | 56 | \$10,681,585 | \$1,560,048 | \$9,599,098 | \$11,159,146 |
| Health, Education, and Human Services (CHEH) | 23 | \$6,419,845 | \$202,483 | \$6,217,362 | \$6,419,845 |
| Inclusive Excellence (CDO55) | 1 | \$76,815 | \$0 | \$76,815 | \$76,815 |
| Lake Campus (LAKE) | 5 | \$140,816 | \$53,542 | \$151,650 | \$205,192 |
| Liberal Arts | 6 | \$186,567 | \$49,684 | \$143,242 | \$192,926 |
| Provost (PV) | 5 | \$1,247,494 | \$59,405 | \$1,188,090 | \$1,247,494 |
| Retention (RETN) | 13 | \$2,544,200 | \$0 | \$4,925,400 | \$4,925,400 |
| School of Medicine (SOMD) | 90 | \$14,340,127 | \$2,665,334 | \$11,901,821 | \$14,567,151 |
| University Libraries (ULIB) | 1 | \$1,000 | \$0 | \$1,000 | \$1,000 |
| V Prov Acad Aff & Dean Grad School (CI) | 2 | \$77,952 | \$3,641 | \$74,311 | \$77,952 |
| VP - Student Success (EM) | 6 | \$7,581,864 | \$14,431 | \$7,567,433 | \$7,581,864 |
| VP-Research & Graduate Studies (RG) | 6 | \$215,634 | \$71,878 | \$143,756 | \$215,634 |
| VP-Student Affairs (SA) | 3 | \$295,659 | \$10,233 | \$293,004 | \$303,237 |
| Grand total: | 248 | \$48,932,523 | \$5,109,711 | \$47,041,760 | \$52,151,465 |



Grants and contracts awarded by activity: Grand summary

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAVA.LANG.OBJECT;@67A163D2 Program type: ALL Instrument type: ALL Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
 Spon **\$48,932,523**
248

| Program type | Count | Sponsor | F&A | TDC | Project |
|-----------------------|------------|---------------------|--------------------|---------------------|---------------------|
| Academic Support | 10 | \$845,614 | \$476 | \$845,138 | \$845,614 |
| Applied Research | 34 | \$2,206,634 | \$489,222 | \$1,783,454 | \$2,272,675 |
| Basic Research | 109 | \$21,956,069 | \$3,346,048 | \$18,838,789 | \$22,184,832 |
| Clinical Trial | 10 | \$1,827,931 | \$307,057 | \$1,520,874 | \$1,827,931 |
| Institutional Support | 2 | \$13,000 | \$0 | \$13,000 | \$13,000 |
| Instruction | 24 | \$5,076,260 | \$440,835 | \$4,862,449 | \$5,303,284 |
| Public Service | 21 | \$6,223,446 | \$499,742 | \$5,730,064 | \$6,229,805 |
| Student Aid | 35 | \$10,556,941 | \$1,667 | \$13,238,451 | \$13,240,118 |
| Student Services | 3 | \$226,628 | \$24,664 | \$209,542 | \$234,206 |
| Grand total: | 248 | \$48,932,523 | \$5,109,711 | \$47,041,760 | \$52,151,465 |

By research activities

| Program type | Count | Sponsor | F&A | TDC | Project |
|-----------------------------------|------------|---------------------|--------------------|---------------------|---------------------|
| Applied Research | 34 | \$2,206,634 | \$489,222 | \$1,783,454 | \$2,272,675 |
| Basic Research | 109 | \$21,956,069 | \$3,346,048 | \$18,838,789 | \$22,184,832 |
| Clinical Trial | 10 | \$1,827,931 | \$307,057 | \$1,520,874 | \$1,827,931 |
| Research activities total: | 153 | \$25,990,634 | \$4,142,327 | \$22,143,117 | \$26,285,438 |



Grants and contracts awarded by sponsor: Grand summary

Award submitted: 2021-07-01 to 2022-03-31 Dept: ALL Parent dept: ALL Sponsor: ALL Sponsor type: [LJAVA.LANG.OBJECT;@2B61D1A9 Program type: ALL Instrument type: ALL Show abstract: true PI: ALL Inv: ALL

Proj **\$52,151,465**
 Spon **\$48,932,523**
248

| Sponsor type | Count | Sponsor | F&A | TDC | Project |
|------------------------------------|------------|---------------------|--------------------|---------------------|---------------------|
| Educational institutions | 55 | \$8,297,950 | \$789,307 | \$8,018,266 | \$8,807,571 |
| Federal | 56 | \$21,607,224 | \$1,604,177 | \$20,003,048 | \$21,607,224 |
| Federal/NIH | 18 | \$5,081,287 | \$1,476,532 | \$3,604,756 | \$5,081,287 |
| Foreign | 1 | \$40,000 | \$0 | \$40,000 | \$40,000 |
| Industry | 37 | \$1,688,930 | \$417,455 | \$1,271,476 | \$1,688,930 |
| Multiple Source | 1 | \$19,169 | \$6,390 | \$12,779 | \$19,169 |
| Non-profit | 27 | \$1,084,423 | \$136,543 | \$977,327 | \$1,113,870 |
| Other government | 10 | \$711,912 | \$116,344 | \$595,568 | \$711,912 |
| Professional/Academic Assoc & Soc. | 1 | \$28,300 | \$0 | \$28,300 | \$28,300 |
| State | 42 | \$10,373,328 | \$562,963 | \$12,490,240 | \$13,053,202 |
| Grand total: | 248 | \$48,932,523 | \$5,109,711 | \$47,041,760 | \$52,151,465 |