



**Research and Sponsored Programs**  
3640 Colonel Glenn Hwy.  
Dayton, OH 45435

388 University Hall  
Main (937) 775-2425  
[rsp@wright.edu](mailto:rsp@wright.edu)

Date: September 4, 2024

To: Daniel Palmer

From: Marianne Shreck

RE: September 2024 Board of Trustees Report

Research and Sponsored Programs has been asked to provide a statement for the minutes of the September 2024 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 270 awards totaling \$65,724,462 in external funding for the time period of July 1, 2023 – June 30, 2024.

Recent funding received by the University includes \$58,542 from the National Endowment for the Humanities to Dr. Gary Schmidt, College of Liberal Arts for “From STEM to SHTEAM Through Story-telling and Dialogue”. The purpose of this grant is to expose high-achieving students from underserved school districts to the interdisciplinary study of the humanities through a summer bridge program. In this program, students will approach issues of contemporary relevance by integrating the content and methodologies of different humanities disciplines, dialoguing with STEM students, and exploring how data and facts are transformed into narrative through story-telling.

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

Thank you,

*Marianne Shreck*

## Grants and Contracts Awarded by College

Awards from: 7/1/2023 - 6/30/2024

College / Dept / PI / Award	Award Title / Abstract	Sponsor	Grant ID	#	Total	Awarded On
<b>College of Engineering and Computer Science (CECS)</b>				<b>60</b>	<b>7,889,966.00</b>	
<b>Biomed Indust &amp; Human Factor Engr (BME55)</b>				<b>2</b>	<b>250,000.00</b>	
<b>Subhashini Ganapathy</b>						
23-0306-A0001-1	Intel Semiconductor Education Program at Central State University (ISEP-CSU) WSU faculty will provide Training for courses related to computer hardware and semiconductor processing.	Central State University	671651		40,000.00	5/15/2024
23-0311-A0001-1	OASIS: Ohio-Southwest Alliance on Semiconductors and Integrated Scalable-Manufacturing Work on developing research related to the Intel RFP call - Manufacturing Operations and Industrial Systems (MOIS) relevant to Semiconductor Industry.	University of Cincinnati	671656		210,000.00	10/12/2023
<b>College of Eng &amp; Computer Sci Admin (CECS5)</b>				<b>3</b>	<b>2,389,096.00</b>	
<b>Darryl Keith Ahner</b>						
24-0099-A0001-0	Digital Engineering, Technology, and Healthcare Workforce Development (DET&H) The primary objective of this proposal is to equip the region's workforce with state-of-the-art technology, training resources, and simulation tools to develop worker capacity and strengthen business-led strategies for regional employers including Wright-Patterson Air Force Base.	Ohio Department of Higher Education	671887		1,443,000.00	2/15/2024
24-0130-A0001-0	Integrative Digital Engineering Approaches for Advanced Air Mobility The outcomes of this effort will include advancements in operational performance and planning, technical aerospace advancement and situational awareness and sensing for Advanced Air Mobility to include accurate placement and information collection, resilience of existing power transfer systems, AAM infrastructure development, search and detection, real-time route planning methods, Human-AAM teaming and safety, electromagnet spectrum management, and mitigating safety concerns related to loss of control in-flight.	Ohio Department of Higher Education	671883		896,096.00	2/15/2024
24-0134-A0001-0	Homeland Security Test Engineering & Planning Research This effort focuses on test engineering and planning in the areas of Scientific Test and Analysis Techniques, Modeling and Simulation, Cyber Security and Resilience, Software (includes DevSecOps, agile, automated testing, T&E of cloud-based solutions), Artificial Intelligence and Autonomous Systems, Chemical Biological Radiological Nuclear and Explosives Detection and Interdiction with the initial effort on test engineering and planning for Artificial Intelligence and Autonomous Systems with the expansion to other areas as resourced.	Alion Science and Technology	671709		50,000.00	1/17/2024
<b>Computer Engineering (CSE55)</b>				<b>1</b>	<b>37,260.00</b>	
<b>Cogan Matthew Shimizu</b>						
24-0173-A0001-0	KGWRAPS: Knowledge Graph-poWered Research Assistant for Polymer Science This project will create a virtual research assistant, powered via knowledge graphs, to assist in the acceleration of science and research, as it pertains to polymer science.	Strategic Ohio Council for Higher Education	671923		37,260.00	5/8/2024
<b>Computer Science (CSC55)</b>				<b>15</b>	<b>2,155,464.00</b>	
<b>Fathi Hassan Mohamed Amsaad</b>						
23-0197-A0001-1	ML-assisted Approach for Human Machine Teaming in Multi-Agent Reinforcement Learning In this proposed project, we will provide an approach to address these challenges and support human operators in flight path planning using reinforcement machine learning.	Strategic Ohio Council for Higher Education	671736		44,130.00	5/2/2024
23-0321-A0001-0	Runtime Hardware Trojan Resilience in COTS Components using Side-Channel Monitoring of Software Signature	University of Cincinnati	671855		100,282.00	12/14/2023

## Grants and Contracts Awarded by College

Awards from: 7/1/2023 - 6/30/2024

	In this project, we aim to develop a runtime hardware Trojan resilience framework that leverages side-channel information of the untrusted components to identify functional anomalies caused by the hardware Trojans.				
24-0257-A0001-0	Intel Summer Internship Program for Women and Underrepresented Minorities WSU faculty will provide support for an on-campus summer camp for trainings related to computer hardware and semiconductor processing.	Central State University	671927	90,000.00	5/16/2024
<b>Tanvi Banerjee</b>					
23-0430-A0001-0	Automated analysis of Supplier Capabilities for Ensuring National Dominance The WSU Research team will apply advanced natural language processing techniques and associated machine learning methods to assist in the development of the ASCEND analytics pipeline and interactive user interface.	Kairos Research LLC	671552	207,000.00	9/1/2023
<b>Soon M. Chung</b>					
23-0174-A0001-0	Anomaly Detection in Time-Series Data with Multiple Seasonal Trends Develop a multi-Seasonal Autoregressive Integrated Moving-Average (mult-SARIMA) model for anomaly detection in time-series data.	Strategic Ohio Council for Higher Education	671773	44,130.00	7/13/2023
23-0174-A0001-1	Anomaly Detection in Time-Series Data with Multiple Seasonal Trends Develop a multi-Seasonal Autoregressive Integrated Moving-Average (mult-SARIMA) model for anomaly detection in time-series data.	Strategic Ohio Council for Higher Education	671773	44,130.00	5/2/2024
<b>Michael L. Raymer</b>					
24-0149-A0001-0	Application of natural language processing in electronic medical record to improve proactive behavioral health consult service We will develop an AI model to identify Dayton Children's Hospital patients that can benefit from psychiatric interventions based on electronic health records.	Dayton Children's Hospital	671932	24,000.00	5/14/2024
<b>Cogan Matthew Shimizu</b>					
23-0184-A0001-0	Adaptive Machine Learning Under Uncertainty Via Global Sensitivity Analysis Create composable glyphs for representing complex AI systems.	Strategic Ohio Council for Higher Education	671778	22,519.00	8/8/2023
23-0382-A0001-0	Proto-OKN Theme 3: An Education Gateway for the Proto-OKN To create a unified educational curriculum for OKN technologies and use cases.	National Science Foundation	671786	1,499,518.00	9/15/2023
23-0382-A0002-0	Proto-OKN Theme 3: An Education Gateway for the Proto-OKN To create a unified educational curriculum for OKN technologies and use cases.	National Science Foundation	671786	25,820.00	4/17/2024
24-0003-A0001-0	III: Travel Fellowships for Students from U.S. Universities to Attend ISWC 2023 Travel Fellowships for Students from U.S. Universities to Attend ISWC 2023	National Science Foundation	671807	20,000.00	9/15/2023
24-0080-A0001-0	NASIC Knowledge Modeling and Engineering Consultations The PI will provide advice, assistance, research data, other tasks as related to knowledge modeling	Riverside Research	671818	4,855.00	9/25/2023
24-0175-A0001-0	TASK-MATS: Task Adaptation with Shared Knowledge for Multi-Agent Teaming Systems	Strategic Ohio Council for Higher Education	671922	12,259.00	5/8/2024

## Grants and Contracts Awarded by College

Awards from: 7/1/2023 - 6/30/2024

		This project uses knowledge graphs to assist an AI planner accomplish novel tasks in digital manufacturing.			
24-0176-A0001-0	NASIC Knowledge Modeling and Engineering Consultations	Riverside Research	671890	1,821.00	2/22/2024
	The PI will provide advice, assistance, research data, other tasks as related to knowledge modeling				
<b>Junjie Zhang</b>					
24-0105-A0001-0	Digital Forensics: A Hands-on and Interdisciplinary Approach Curriculum	Strategic Ohio Council for Higher Education	671859	15,000.00	12/11/2023
	To address pressing needs and adapt to the ever-evolving challenges of the digital age, the researchers propose to develop a comprehensive Digital Forensics curriculum with a robust emphasis on hands-on learning and an interdisciplinary approach.				
<b>Electrical Engineering (EEG55)</b>			<b>12</b>	<b>1,734,830.00</b>	
<b>Joshua Noel Ash</b>					
24-0178-A0001-0	Hyperspectral Anomaly Detection in Maritime Environments	Strategic Ohio Council for Higher Education	671920	43,943.00	5/7/2024
	Due to the relatively flat and low reflectance of water, anomaly detection in maritime environments presents unique challenges for hyperspectral sensors. In particular, it is difficult to distinguish bright statistical anomalies, from items such as whitecaps and clouds, from meaningful anomalies of interest, such as ships. The objective of this research effort is to develop a hyperspectral anomaly-of-interest detection algorithm that combines physics-based radiative transfer models with recent deep learning architectures and probabilistic models in order to obtain robustness to unknown maritime atmospheric conditions and reject uninteresting anomalies, such as whitecaps and clouds.				
<b>Brian D. Rigling</b>					
23-0386-A0001-3	Dynamic, Multi-Objective Beamforming Optimization for Phased Arrays	Strategic Ohio Council for Higher Education	671364	34,960.00	7/11/2023
	Beamforming is a commonly used signal processing technique. Many beamforming algorithms are impractical. We propose to research and develop solutions which will mitigate at least a subset of these shortcomings.				
<b>Michael A. Saville</b>					
23-0122-A0001-0	Application of Next Generation Learning, Education, and Research for Sensors (ANGLERS)	University of Dayton	671814	296,595.00	9/25/2023
	Application of Next Generation Learning, Education, and Research for Sensors (ANGLERS)				
23-0375-A0001-0	Optics, Plasma Technology and Electro-Magnetic Antenna Structures (OPTEMASt)	Riverside Research	671572	52,000.00	7/27/2023
	The goal of this project is to develop calibration methods for advanced antenna arrays.				
23-0375-A0002-0	Optics, Plasma Technology and Electro-Magnetic Antenna Structures (OPTEMASt)	Riverside Research	671572	8,200.00	11/14/2023
	The goal of this project is to develop calibration methods for advanced antenna arrays.				
<b>James Leo Schmitz</b>					
24-0113-A0001-0	FY24 Bistatic and EO Support	Riverside Research	671886	364,126.00	2/16/2024
	The researcher will support the National Air & Space Intelligence Center Geospatial and Signatures Intelligence Group in various technical and management issues concerning the Bi-static and EO support.				
24-0113-A0002-0	FY24 Bistatic and EO Support	Riverside Research	671886	9,877.00	3/20/2024
	The researcher will support the National Air & Space Intelligence Center Geospatial and Signatures Intelligence Group in various technical and management issues concerning the Bi-static and EO support.				
24-0113-A0002-1	FY24 Bistatic and EO Support	Riverside Research	671886	10.00	3/20/2024

## Grants and Contracts Awarded by College

Awards from: 7/1/2023 - 6/30/2024

		The researcher will support the National Air & Space Intelligence Center Geospatial and Signatures Intelligence Group in various technical and management issues concerning the Bi-static and EO support.				
<b>Rhonda Jean Vickery</b>						
23-0122-A0002-0	Application of Next Generation Learning, Education, and Research for Sensors (ANGLERS)	University of Dayton	671814	531,229.00	4/9/2024	
WSU will provide general program support, computational resources support, and training support and documentation.						
23-0140-A0002-0	SOARING OTTER	University of Dayton	671675	173,568.00	9/25/2023	
WSU will provide general program support, computational resources support, and training support and documentation						
23-0140-A0002-1	SOARING OTTER	University of Dayton	671675	200,000.00	12/12/2023	
WSU will provide general program support, computational resources support, and training support and documentation						
<b>Xiaodong Zhang</b>						
24-0177-A0001-0	Analogical Reinforcement Learning for Adversarial Systems	Strategic Ohio Council for Higher Education	671949	20,322.00	6/26/2024	
In this research, we will combine analogical reasoning algorithms with reinforcement learning (RL) to maximize success of RL in various environments. The proposed approach would allow AI systems to quickly learn new environment by leverage experience.						
<b>Mechanical &amp; Materials Engineering (MEG55)</b>				<b>27</b>	<b>1,323,316.00</b>	
<b>Harok Bae</b>						
23-0167-A0001-1	Adaptive Machine Learning Under Uncertainty Via Global Sensitivity Analysis	Strategic Ohio Council for Higher Education	671730	44,129.00	5/2/2024	
The proposed project will develop an adaptive machine learning UQ framework using Emulator Embedded Neural Network. The framework computes the global sensitivities of decomposed emulators.						
23-0326-A0001-0	A machine learning framework for digital engineering of hypersonic vehicles with quantified prediction uncertainty	CFD Research Corporation	671870	42,960.00	1/17/2024	
Digital technology is reshaping engineering through AI-driven surrogate models that simulate complex systems faster. This topic explores using AI for developing advanced engineering systems and their digital twins, streamlining design and improvement processes.						
23-0326-A0001-1	A machine learning framework for digital engineering of hypersonic vehicles with quantified prediction uncertainty	CFD Research Corporation	671870	42,960.00	6/6/2024	
Digital technology is reshaping engineering through AI-driven surrogate models that simulate complex systems faster. This topic explores using AI for developing advanced engineering systems and their digital twins, streamlining design and improvement processes.						
24-0028-A0001-0	High-Dimensional Design Study of Conceptual Hypersonic Vehicles Using Physics-Informed Machine Learning	Purdue University	671835	69,000.00	10/23/2023	
This project is to develop a concept design exploration methodology using machine learning techniques for hypersonic vehicles.						
24-0028-A0001-2	High-Dimensional Design Study of Conceptual Hypersonic Vehicles Using Physics-Informed Machine Learning	Purdue University	671835	0.00	10/23/2023	
This project is to develop a concept design exploration methodology using machine learning techniques for hypersonic vehicles.						
<b>Craig M Baudendistel</b>						
24-0136-A0001-0	SAE Baja	Ohio Space Grant Consortium	671866	5,000.00	1/17/2024	
Solar Splash Mechanical Engineering Senior Capstone Design project support for 6 undergraduate students over the 2023-2024 academic year.						
<b>George P Huang</b>						
24-0166-A0001-0	A Pade-WENO Numerical Scheme for the Solution of High Mach Number Viscous Flows	Strategic Ohio Council for Higher Education	671930	44,129.00	5/21/2024	

## Grants and Contracts Awarded by College

Awards from: 7/1/2023 - 6/30/2024

<p>This proposal outlines a comprehensive research initiative in computational fluid dynamics (CFD), with the primary aim of developing and validating a novel flux reconstructing numerical scheme.</p>						
<b>Nathan W. Klingbeil</b>						
23-0308-A0001-6	The Ohio LSAMP Alliance	The Ohio State University	669334	29,351.00	3/4/2024	
<p>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.</p>						
24-0164-A0001-0	Characterization of Microstructure and Damage of High Temperature Ceramic Matrix Composites for Aerospace Applications	Strategic Ohio Council for Higher Education	671921	42,130.00	5/8/2024	
<p>This proposal seeks to investigate the relationship between microstructure and high temperature damage evolution in ceramic matrix composites for aerospace applications.</p>						
<b>Akm Ahsan Mian</b>						
23-0164-A0001-1	Spot Radiation Shielding of Space Electronics using Aerosol Jet Printed Nanocomposites	Strategic Ohio Council for Higher Education	671726	52,260.00	5/2/2024	
<p>This study is to formulate different ink materials (conductive and dielectric) for printed electronics, and find optimum formulations for different printing methods (e.g. aerosol jet, ink jet, material extrusion, and spray coater). The best materials will then be used to create and test applicable electronic packages.</p>						
23-0165-A0001-1	Mechanical Reliability, Characterization, and Optimization of Board-Level Metal Embedded Chip Assembly Process	Strategic Ohio Council for Higher Education	671727	44,130.00	5/2/2024	
<p>The study is to optimize the additively manufactured MECA process and find its mechanical reliability.</p>						
23-0165-A0001-2	Mechanical Reliability, Characterization, and Optimization of Board-Level Metal Embedded Chip Assembly Process	Strategic Ohio Council for Higher Education	671727	0.00	5/17/2024	
<p>The study is to optimize the additively manufactured MECA process and find its mechanical reliability.</p>						
24-0041-A0001-0	Thermal-Mechanical Reliability of Printed Electronics	Strategic Ohio Council for Higher Education	671787	11,922.00	8/17/2023	
<p>The focus of the work will be to perform reliability assessment of printed circuits under thermal and mechanical loads.</p>						
<b>Anthony N. Palazotto</b>						
23-0285-A0002-0	Comparison of IN 718 AM and Traditional Buk Specimens Under High Energy Impact With an Additional Study of 3D Lattice AM Specimens	Air Force Office of Scientific Research	671783	91,520.00	8/2/2023	
<p>The researchers will study additively manufactured superalloy materials under high-speed impact conditions.</p>						
24-0087-A0001-0	STTR "Catholike"	AD Engineering LLC	671856	22,000.00	12/14/2023	
<p>The WSU PI will act as a consultant relative to the modeling of the structure and will advise on the failure conditions characterized in the model.</p>						
<b>J. Mitch Wolff</b>						
23-0016-A0002-0	An Experimental Investigation into the Effect of Inlet Swirl on the Compression System of a Jet Engine	Strategic Ohio Council for Higher Education	671579	42,476.00	8/21/2023	
<p>The researchers will explain the need for a study into the effects of swirl and how they plan to study these effects.</p>						
23-0178-A0001-1	Infrared Imaging of High-Speed Flows in a Reacting Environment	Strategic Ohio Council for Higher Education	671729	44,130.00	5/2/2024	
<p>Infrared images will be obtained in research cell 18 at AFRL. This data will be in an open environment to assess the effect of windows have on infrared data.</p>						
23-0180-A0001-1	Unsteady Flow Control Investigation for High Lift/High Work LPT Blades	Strategic Ohio Council for Higher Education	671737	44,130.00	5/2/2024	

## Grants and Contracts Awarded by College

Awards from: 7/1/2023 - 6/30/2024

		Various configurations of active flow control will be implemented in the linear cascade at AFRL/RQTT. Sensors will be used to study the changes in flow from the unsteady flow control.			
23-0181-A0001-0	Combustion Cold Starting for a Mini Gas Turbine at Altitude	Strategic Ohio Council for Higher Education	671771	46,000.00	7/31/2023
	CFD simulations of combustion has made considerable progress and will be utilized to understand the flow physics. Knowledge gained will be incorporated into the experimental tests accomplished at AFRL.				
23-0182-A0001-0	Machine Learning Enhancement of a Viscous Approximation Method for Supersonic-Hypersonic Flow	Strategic Ohio Council for Higher Education	671766	40,860.00	7/14/2023
	This research would benefit efforts to develop hypersonic vehicles enabling higher fidelity heat transfer predictions earlier. Having higher fidelity predictions would allow for more effective design optimization before RANS CFD.				
24-0049-A0001-0	WSU FY 2024 Campus Allocation	Ohio Space Grant Consortium	671789	7,500.00	10/6/2023
	OSGC funds to be used by the OSGC campus representative to support OSGC supported activities on campus and/or with WSU students.				
24-0049-A0002-0	WSU FY 2024 Campus Allocation	Ohio Space Grant Consortium	671789	5,000.00	2/1/2024
	OSGC funds to be used by the OSGC campus representative to support OSGC supported activities on campus and/or with WSU students.				
24-0051-A0001-0	Unsteady Aerodynamics and Heat Transfer in Turbines	Strategic Ohio Council for Higher Education	671790	49,469.00	8/28/2023
	The researchers will determine the significance of the upstream unsteady pressures compared to the downstream unsteady pressures which typically are considered for an aeromechanical analysis.				
24-0063-A0001-0	APOP	Innovative Scientific Solutions Inc.	671816	14,000.00	9/14/2023
	Design and build a thrust reversal mechanisms on a small ~20 lbf thrust turbine engine. Jet engine thrust vectoring enables enhanced maneuverability as well as shorter take-off and landing distances. Little research has been conducted on small jet UAV engine thrust vectoring mechanisms.				
24-0159-A0001-0	Thermal Performance of Transient Two-phase Flow Based Cooling Systems	Strategic Ohio Council for Higher Education	671925	44,130.00	5/10/2024
	Currently, aircraft thermal and power systems account for up to 30% of the size and weight budgets of a UAV. However, new requirements continue increasing the thermal loads imposed on these military aircraft. It is proposed to use a two-phase flow cooling system.				
<b>Henry D. Young</b>					
23-0176-A0001-1	DEVELOPMENT AND CURE-DEPTH STUDIES OF ULTRA HIGH TEMPERATURE CERAMIC AND COMPOSITE SLURRIES FOR ADDITIVE MANUFACTURING	Strategic Ohio Council for Higher Education	671728	44,130.00	5/2/2024
	We will be studying the additive manufacturing of oxide-oxide composite materials for extremely high temperature aerospace applications.				
23-0420-A0001-0	Evaluation of Forging Preforms Fabricated via Additive Manufacturing Processes	Cleveland State University	671864	400,000.00	1/2/2024
	The proposed study will investigate the properties, viability, efficiency, cost-effectiveness, lead times, and other potential advantages of employing preforms made by additive manufacturing to reduce the tooling needed to produce forgings.				
<b>College of Health, Education, and Human Services (CHEH)</b>				<b>30</b>	<b>8,391,234.00</b>
<b>Coll of Health Ed &amp; Human Serv Adm (CHEHA)</b>				<b>2</b>	<b>6,305,495.00</b>
<b>James Christopher Denniston</b>					
24-0014-A0001-0	Great Minds Fellowship Program	Ohio Department of Higher Education	671794	930,639.00	8/1/2023
	The grant will provide financial aid to Ohio resident students who are within two years of graduating with degrees or certificates in the following academic programs: social work, marriage and family therapy, mental health counseling, mental health nurse, and substance abuse/addiction counseling.				
24-0083-A0001-0	Dayton Regional Science, Technology, Engineering, and Mathematics School Services Agreement FY 24	Dayton Regional STEM School	668340	5,374,856.00	9/22/2023

## Grants and Contracts Awarded by College

Awards from: 7/1/2023 - 6/30/2024

These funds will support salaries and fringe benefits of STEM school personnel who are paid through WSU.

<b>Human Services (EHS55)</b>		<b>3</b>	<b>703,773.00</b>		
<b>Huma Aman Bashir</b>					
24-0076-A0001-0	Campus-Community Collaborative Grants	Northeast Ohio Medical University	671906	5,000.00	3/18/2024
To prevent suicides, advocate for mental well-being, and combat the stigma surrounding mental health.					
24-0106-A0001-0	ODHE MH Support Funding Application	Ohio Department of Higher Education	671831	496,352.00	10/30/2023
The purpose of this grant is multi-fold to help with the post-pandemic crisis of mental health-related issues with our students.					
24-0115-A0001-0	Behavioral Health Workforce Expansion Program	Ohio Department of Higher Education	671900	202,421.00	3/8/2024
Our goal is to develop a well-trained workforce that can meet the pressing mental health needs of Ohioans. This grant proposal is not just about addressing the current crisis but also about planning for the future, ensuring that Ohio's mental health system can respond effectively to emerging trends and needs.					
<b>Kinesiology &amp; Health (KNH55)</b>		<b>1</b>	<b>249,751.00</b>		
<b>Kevin Lorson</b>					
23-0226-A0001-1	Behavioral Health Education Curriculum in Ohio	Ohio Department of Mental Health and Addiction Services	671838	249,751.00	11/9/2023
This project will create K-12 behavioral health education lessons, tools to develop local K-12 curriculum, and professional development to support delivery of skills-based health education to improve students' behavioral health.					
<b>Leadership Studies in Educ (LDR55)</b>		<b>1</b>	<b>81,299.00</b>		
<b>Noah L Schroeder</b>					
23-0396-A0001-0	AI Institute: Inclusive and Innovative Intelligent Technologies for Education	University of Illinois at Urbana-Champaign	671762	81,299.00	7/12/2023
We will investigate questions such as how the design of virtual characters can influence STEM learning and support the development of K-12 students' social and emotional learning skills.					
<b>School of Professional Psychology (SOPPA)</b>		<b>18</b>	<b>729,312.00</b>		
<b>Michelle S Schultz</b>					
24-0098-A0001-0	Clinical Psychology BIPOC Mentorship and Recruitment Project	American Psychological Association	671858	5,000.00	12/19/2023
The CEMRRAT funds will be used to create the SOPP Clinical Psychology Ambassador Initiative in which SOPP ambassadors will partner with select Ohio undergraduate programs to provide knowledge and mentorship to BIPOC psychology majors regarding preparation for and application to graduate psychology programs.					
<b>Jeremiah Allen Schumm</b>					
23-0387-A0001-0	SOPP Practicum: Trinity Community FY 2024	Trinity Community of Beavercreek	671755	12,000.00	7/1/2023
This placement will provide supervision, direct and indirect client services consistent with Wright State's training policies for 2 doctoral students.					
23-0390-A0001-0	SOPP Student Stipends from ADAMHS for Field Training in Montgomery County FY 2024	ADAMHS Board for Montgomery County	671806	18,500.00	9/15/2023
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.					
23-0394-A0002-0	SOPP Practicum: Hearthstone FY 2024	Hearthstone Psychology	671754	2,375.00	10/23/2023



## Grants and Contracts Awarded by College

Awards from: 7/1/2023 - 6/30/2024

					This placement will provide supervision, direct and indirect client services consistent with Wright State's training policies for 1 doctoral student.
23-0400-A0001-0	SOPP Practicum: One Fifteen FY 2024	OneFifteen	671764	10,000.00	7/13/2023
					The facility will provide supervision, direct and indirect client services consistent with Wright State's training policies for 2 doctoral students.
24-0001-A0001-0	SOPP Practicum: Hope Center - Mini University FY 2024	Mini University Inc.	671765	1,890.00	7/13/2023
					The facility will provide supervision, direct and indirect client services consistent with Wright State's training policies for 1 doctoral student.
24-0010-A0001-0	SOPP Practicum: Hope Center - Mini University FY 2024	Mini University Inc.	671774	300.00	8/2/2023
					The facility will provide supervision, direct, and indirect client services consistent with Wright State's training policies for 1 doctoral student: Erin Yancey.
24-0018-A0001-0	SOPP Practicum: Lindner Center FY 2024	Lindner Center for HOPE	671775	35,360.00	8/7/2023
					The Facility will provide supervision, direct and indirect client services consistent with Wright State's training policies for 2 doctoral students.
24-0019-A0001-0	SOPP Practicum: University of Cincinnati FY 2024	University of Cincinnati	671776	15,040.00	8/7/2023
					The Facility will provide supervision, direct and indirect client services consistent with Wright State's training policies for 1 doctoral student.
24-0030-A0001-0	SOPP Practicum: University of Dayton FY 2024	University of Dayton	671788	12,400.00	8/21/2023
					The facility will provide supervision, direct and indirect client services consistent with Wright State's training policies for 2 doctoral students.
24-0030-A0002-0	SOPP Practicum: University of Dayton FY 2024	University of Dayton	671788	6,200.00	11/1/2023
					The facility will provide supervision, direct and indirect client services consistent with Wright State's training policies for 1 doctoral student.
24-0033-A0001-0	SOPP Practicum Empower Psychology & Wellness FY 2024	Empower Psychology + Wellness	671784	27,000.00	8/17/2023
					The facility will provide supervision, direct and indirect client services consistent with Wright State's training policies for 9 doctoral students.
24-0036-A0001-0	SOPP Practicum: TriHealth FY 2024	TriHealth	671798	11,500.00	9/8/2023
					The Facility will provide supervision, direct and indirect client services consistent with Wright State's training policies for 1 doctoral student.
24-0050-A0001-0	SOPP Practicum: Compdrug FY 2024	CompDrug	671801	8,320.00	8/24/2023
					The Facility will provide supervision, direct and indirect client services consistent with Wright State's training policies for 1 doctoral student(s).
24-0052-A0001-0	SOPP Practicum: Cordell FY 2024	Cordell Associates, LLC	671799	18,000.00	9/8/2023
					The Facility will provide supervision, direct and indirect client services consistent with Wright State's training policies for 3 doctoral students.
24-0092-A0001-0	SOPP Practicum: Central Clinic FY 2024	Central Clinic	671812	24,000.00	9/28/2023
					This sponsor will provide direct client services training for three doctoral students.
24-0097-A0001-0	SOPP Practicum: TCN Behavioral Health FY 2024	TCN Behavioral Health Services Inc	671817	7,500.00	10/6/2023
					This sponsor will provide direct client services training for two doctoral students.
<b>Janeece Warfield</b>					
23-0095-A0002-0	Promise Zone	Omega Community Development Corporation	671862	513,927.00	1/5/2024

## Grants and Contracts Awarded by College

Awards from: 7/1/2023 - 6/30/2024

This proposal would expand Moms2B program to the Hope Zone Dayton Promise Neighborhood.

<b>Social Work (SOW55)</b>		<b>2</b>	<b>200,000.00</b>
<b>Elizabeth Peffer Talbot</b>			
24-0015-A0001-0	REEP FY24	Ohio Commission on Minority Health 671821	100,000.00 10/9/2023
The purpose of this project is to provide technical assistance evaluation support, and consultation to the Ohio Commission on Minority Health's demonstration Infant Mortality HUB project.			
24-0112-A0001-0	Infant Mortality Hub Evaluation Grant CY24	Ohio Commission on Minority Health 671863	100,000.00 1/4/2024
The Research and Evaluation Infant Mortality Enhancement Program evaluates minority health projects. Promotes health disparity research.			
<b>Teacher Education (TED55)</b>		<b>3</b>	<b>121,604.00</b>
<b>Brian T. Boyd</b>			
23-0372-A0001-0	IEducate Montgomery County 2023	University of Cincinnati 671777	82,104.00 8/1/2023
The I Educate Montgomery County 2023 grant proposes an innovative partnership between institutions of higher education (IHEs) with a focus on Faculty Sponsors to support incoming BIPOC (Black, Indigenous, and People of Color) students obtaining a bachelor degree in teaching and PreK-12 positions.			
<b>David L. Herick</b>			
24-0225-A0001-0	Ohio Department of Education Science of Reading Alignment	Ohio Department of Higher Education 671933	20,000.00 5/28/2024
This grant request is to support the review, realignment, and rewrite of course syllabi to align with the new Science of Reading standards.			
<b>Tracey A. Kramer</b>			
24-0145-A0001-0	Science of Reading for Student Teacher Placement	Ohio Department of Higher Education 671916	19,500.00 4/22/2024
We are seeking assistance from ODHE to place student teachers with cooperating teachers who have received instruction in evidence based strategies aligned with the science of reading, use high quality materials aligned to the science of reading, and implement a structured literacy approach in their classrooms.			
<b>Lake Campus (LAKE)</b>		<b>10</b>	<b>296,515.00</b>
<b>Lake Campus Admin (LAKEA)</b>		<b>5</b>	<b>51,414.00</b>
<b>Tamara Ann Eilerman</b>			
24-0122-A0001-0	Step Outside Grant	Ohio Department of Natural Resources 671919	500.00 4/23/2024
This grant will be used to promote fishing to our students at the Lake Campus.			
24-0135-A0001-0	Talent Ready 24_25	Ohio Department of Higher Education 671857	14,555.00 12/15/2023
Talent Ready Grant to support workforce credential and certificate programs.			
<b>Mindy Sue Meininger Fulks</b>			
24-0125-A0001-0	Ohio Middle Level Association State Conference Travel Assistance Grant	Mercer County Civic Foundation 671836	1,081.00 10/17/2023
Grant Assistance for registration and hotel expenses for Middle Childhood preservice teachers to attend the state of Ohio Middle Level Association School Conference in Sandusky, Ohio.			

## Grants and Contracts Awarded by College

Awards from: 7/1/2023 - 6/30/2024

<b>Gretchen M. Rentz</b>						
24-0143-A0001-0	Ohio Work Ready Grant - Lake Campus	Ohio Department of Higher Education	671867	20,278.00	12/7/2023	Financial aid to in-state students who have high financial need and are enrolled in a program that is in demand for critical jobs in Ohio.
24-0229-A0001-0	Rise and Thrive Grant	Prevention Action Alliance	671915	15,000.00	3/26/2024	Wright State University Lake Campus was selected as a recipient of Rise & Thrive Campus-Community Partnerships Grant, beginning January 1, 2024. Funding for this opportunity will support campus community partnerships in implementing awareness and accessibility measures to promote mental and behavioral health among students and staff on campus.
<b>Lake Campus Business &amp; Admin (LCD55)</b>				<b>1</b>	<b>10,000.00</b>	
<b>Tamara Ann Eilerman</b>						
23-0361-A0001-0	Gene Haas Foundation Grant	Gene Haas Foundation	671853	10,000.00	11/2/2023	The Gene Haas Foundation offers a grant each year that is to be used to provide scholarships for students taking a Computer Numerical Control (CNC) course.
<b>Lake Campus Education &amp; Human Svcs (LCE55)</b>				<b>1</b>	<b>2,403.00</b>	
<b>Betsy Jo Crites</b>						
24-0075-A0001-0	LakerSpace Teacher STEM Camp	Mercer County Civic Foundation	671833	2,403.00	10/17/2023	LakerSpace Teacher STEM Camp will allow local educators from Mercer County to participate in STEM activities such as using 3-D pens, programming a Glowforge, coding Spheros and drones, and learning to solder.
<b>Lake Campus Science &amp; Mathematics (LCM55)</b>				<b>3</b>	<b>232,698.00</b>	
<b>Stephen James Jacquemin</b>						
23-0129-A0001-1	Water Quality Monitoring (Nutrients and Sediment) of Restored Grand Lake St Marys Wetlands	St. Marys Community Foundation	670536	35,061.00	11/3/2023	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.
24-0056-A0001-0	H2Ohio Wetland Monitoring	The Ohio State University	671839	197,637.00	11/9/2023	The proposed project would be to support nutrient monitoring of wetlands in the H2Ohio Program. Wetlands are an important conservation area and can contribute to healthier environments. This proposal will support wetland monitoring.
24-0056-A0001-2	H2Ohio Wetland Monitoring	The Ohio State University	671839	0.00	11/9/2023	The proposed project would be to support nutrient monitoring of wetlands in the H2Ohio Program. Wetlands are an important conservation area and can contribute to healthier environments. This proposal will support wetland monitoring.
<b>College of Liberal Arts (COLA)</b>				<b>6</b>	<b>246,222.00</b>	
<b>College of Liberal Arts Admin (COLA5)</b>				<b>3</b>	<b>226,542.00</b>	
<b>Pascale Agnes Abadie</b>						
24-0234-A0001-0	Wright State in Normandy Internship and Exchange Program	Albertine Foundation	671951	18,000.00	5/22/2024	This grant would allow us to expand our current international internship collaboration, working with TESOL and Department of Education partners, and providing cultural and pedagogical training sessions for student interns.
<b>Gary Schmidt</b>						
24-0071-A0001-0	NEH Spotlight on Humanities Development Grant - From Data to Dialog through Stories	National Endowment for the Humanities/Natl. Fndn. on the Arts & Humanities	671934	58,542.00	5/9/2024	

## Grants and Contracts Awarded by College

Awards from: 7/1/2023 - 6/30/2024

We will develop and offer a bridge program to high school students from underserved school districts in the Dayton region that will introduce them to study in the humanities, as well as how humanities fields and research methods can be used in collaboration with approaches from STEM to solve pressing contemporary world challenges by examining big questions surrounding the relationship between humankind and nature, the significance of new discoveries in genetics in the age-old nature vs. nurture debate, the perils and promises of artificial intelligence, and questions of war and peace. Students will be brought to campus for an interdisciplinary summer seminar that addresses these topics and also includes field trips to area sites of importance, such as the Dayton International Peace Museum, the National Museum of African American History and Culture, the Museum of the United States Air Force, and the Dayton Art Institute. Faculty and staff from various disciplines will introduce students to different areas of study in CoLA and job opportunities associated with these areas.

**Wayne Frederick Stark**

24-0068-A0001-0

COLA CLASS and Model UN ODHE Funding

Ohio Department of Higher  
Education

671822

150,000.00

9/7/2023

ODHE grant funds will be used to support the Model United Nations Program and the operations of the Center for Liberal Arts Student Success at Wright State University.

**History (HST55)**

**1**

**7,680.00**

**Sean M. Pollock**

24-0005-A0001-0

Public History Internships at the University of Dayton  
Library (23-24)

University of Dayton

671820

7,680.00

7/7/2023

Public History Internships at the University of Dayton Library.

**School of Fine and Performing Arts (FPA55)**

**2**

**12,000.00**

**Tracy Suzanne Longley-Cook**

24-0133-A0001-0

Elementary-Photographs by Daniel McInnis

FotoFocus

671845

4,000.00

11/16/2023

Daniel McInnis' project \_Elementary\_ addresses gender, economics, class, access, and how Covid-19 affected education at the elementary level.

**Benjamin J. Montague**

24-0072-A0001-0

ReWritten: Photographers Reshaping the Narrative

FotoFocus

671846

8,000.00

11/16/2023

The photography exhibition, "ReWritten: Photographers Reshaping the Narrative" explores contemporary photographers who actively transform the narrative potential of their medium.

**Boonshoft School of Medicine (SOMD)**

**111**

**25,322,566.00**

**Biochemistry/Molecular Biology-SOM (BYM55)**

**8**

**1,214,733.00**

**Madhavi P. Kadakia**

23-0169-A0001-0

Role of DeltaNp63 alpha and TIP60 in SCC progression  
and chemoresistance

National Institutes of Health

671860

651,120.00

12/20/2023

This study aims to define the role  $\Delta Np63\alpha$  and TIP60 play in cancer progression and chemoresistance in squamous cell carcinoma, and to determine the therapeutic potential of targeting these proteins.

24-0006-A0001-1

Enhancing STEM education through the iGEM competition

Universal Energy Systems Inc.

671574

146,850.00

7/27/2023

The goal of this proposal is to enhance STEM education through the International Genetically Engineered Machine (iGEM) competition. Participation in the iGEM competition will serve as a tool to educate future national biotech workforce and develop USAF biotechnology leaders of tomorrow.

**Michael P. Markey**

23-0297-A0001-1

Specimen Analysis for Solvita (formerly Community  
Tissue Services)

Solvita

671713

9,765.00

1/19/2024

The Center for Genomics Research (CGR) will provide DNA extraction services for lyophilized dermal tissue specimens from Community Tissue Services (CTS). The purpose of the study is to provide repetition of DNA extractions being performed at CTS, as a check for consistency in recovered quantity and quality of the resulting DNA. Specimens will be provided by CTS already de-identified.

24-0017-A0001-0

Direct RNA sequencing of ant queen vs. male caste

Central State University

671840

12,930.00

11/1/2023

## Grants and Contracts Awarded by College

Awards from: 7/1/2023 - 6/30/2024

		The purpose of this project is to carry out direct RNA sequencing of RNA samples taken from ants, comparing gene and gene isoform expression in the queen vs. worker caste.				
24-0060-A0001-0	Fluorometry and method validation for CTS	Solvita	671849	14,922.00	10/24/2023	
		The purpose of the study is to provide repetition of DNA extractions being performed at CTS, as a check for consistency in recovered quantity and quality of the resulting DNA.				
24-0254-A0001-0	Direct sequencing of RNA	Central State University	671935	2,580.00	6/17/2024	
		This project was to sequence RNA directly from honeybee brains.				
<b>Oleg Paliy</b>						
24-0255-A0001-0	Optimization of Vaginal and Fecal Sample Collection and Processing	Kettering College	671939	6,473.00	5/7/2024	
		Drs. Paliy and Markey will process and analyze samples for Dr. Adelaide Durkin's research project with Kettering College.				
<b>Hongmei Ren</b>						
23-0405-A0001-3	The Role of Lipin1 in Myofiber Stability and Integrity	National Institute of Arthritis & Musculoskeletal & Skin Diseases/NIH/DHHS	671415	370,093.00	5/21/2024	
		The researchers will assess the benefits and therapeutic efficacy of Lipin1 in the treatment of Duchenne muscular dystrophy (DMD).				
<b>Business Office-SOM (BOM55)</b>				<b>8</b>	<b>7,333,075.00</b>	
<b>Amanda Catherine Carson-Spychalski</b>						
24-0067-A0001-0	ODHE Subsidy - WSU Clinical Teaching	Ohio Department of Higher Education	671714	2,947,000.00	11/20/2023	
		This project will support WSU Clinical Teaching Program.				
24-0067-A0001-1	ODHE Subsidy - WSU Clinical Teaching	Ohio Department of Higher Education	671714	3,035,000.00	11/20/2023	
		This project will support WSU Clinical Teaching Program.				
24-0074-A0001-0	ODHE Subsidy for Primary Care	Ohio Department of Higher Education	671718	201,738.00	11/27/2023	
		This project will support primary care residencies.				
24-0074-A0001-1	ODHE Subsidy for Primary Care	Ohio Department of Higher Education	671718	201,738.00	11/27/2023	
		This project will support primary care residencies.				
24-0078-A0001-0	ODHE Subsidy for Family Practice	Ohio Department of Higher Education	671716	399,728.00	11/8/2023	
		This project will support the WSU Family Practice Program.				
24-0078-A0001-1	ODHE Subsidy for Family Practice	Ohio Department of Higher Education	671716	399,728.00	11/8/2023	
		This project will support the WSU Family Practice Program.				
24-0101-A0001-0	WSU Geriatric Medicine program	Ohio Department of Higher Education	671720	73,000.00	11/8/2023	
		This project will support the geriatric medicine program.				

## Grants and Contracts Awarded by College

Awards from: 7/1/2023 - 6/30/2024

24-0101-A0001-1	WSU Geriatric Medicine program	Ohio Department of Higher Education	671720	75,143.00	11/8/2023
	This project will support the geriatric medicine program.				
<b>Family Medicine (FPR55)</b>				<b>5</b>	<b>643,334.00</b>
<b>Katharine Marie Conway</b>					
23-0389-A0001-0	Refugee Health Care 2	Catholic Social Services of the Miami Valley	671782	35,022.00	7/21/2023
	Provide the following to the Dayton area Afghan refugee community: Healthcare Provider/System trainings, Proposed Community Healthcare Trainings for Afghan Community members and home visits.				
<b>Paul J. Hershberger</b>					
24-0127-A0001-0	SOAR	The Ohio State University	671885	106,273.00	2/9/2024
	The SOAR Study will focus on some disproportionate risk-to-resilience gaps in rural and urban areas across the 88 counties of Ohio using innovative, high-tech sampling strategies that are inclusive of broad socio-economic, gender, and racial representation across all geocultural areas of Ohio.				
<b>Peter L Reynolds</b>					
23-0117-A0001-1	Program Augmenting Resident Training for Needs in the Emotional Realm (PARTNER)	Health Resources and Services Administration/DHHS	671678	458,022.00	8/4/2023
	Train primary care residents in prevention, identification, diagnosis, treatment, and referral of services for mental and behavioral health conditions for the pediatric, adolescent, young adult.				
<b>Anna Murley Squibb</b>					
24-0218-A0002-0	Addiction Fellowship Support	ADAMHS Board for Montgomery County	671929	14,267.00	5/1/2024
	ADAMHS funding support for the addiction medicine fellowship.				
24-0218-A0002-1	Addiction Fellowship Support	ADAMHS Board for Montgomery County	671929	29,750.00	5/1/2024
	ADAMHS funding support for the addiction medicine fellowship.				
<b>Medical Education - BSOM (ASM55)</b>				<b>1</b>	<b>251,410.00</b>
<b>Jayna Marie Vossler</b>					
24-0156-A0001-0	Area Health Education Center Program (AHEC)	Ohio Department of Education	671841	251,410.00	1/11/2024
	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.				
<b>Medicine (MED55)</b>				<b>3</b>	<b>294,199.00</b>
<b>Kunal Rohitbhai Desai</b>					
24-0047-A0001-0	EEG study	Heartfulness Institute	671830	5,000.00	8/4/2023
	This study will explore the effects of trainer-guided meditation compared with unguided meditation among healthy volunteers as well as long-term Heartfulness meditators with measurement of EEG and subjective meditation experience in order to assess the impact of the yogic technique of 'transmission' employed in Heartfulness meditation practice.				
<b>James F Lamb</b>					
23-0257-A0001-0	Cardi-OH - Diabetes and Cardiovascular Health	Case Western Reserve University	671876	248,089.00	11/30/2023
	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.				

## Grants and Contracts Awarded by College

Awards from: 7/1/2023 - 6/30/2024

<b>Luke Daniel McCoy</b>					
23-0410-A0001-2	Dayton Children's Hospital Adult Cystic Fibrosis Center	Cystic Fibrosis Foundation	671507	41,110.00	8/17/2023
The researcher 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.					
<b>NeuroSci Cell Bio Physiology-SOM (ANM55)</b>				<b>22</b>	<b>3,567,342.00</b>
<b>Thomas L. Brown</b>					
23-0436-A0001-0	In Utero Trophoblast Transgenesis	National Institute of Child Health and Human Development/NIH/DHHS	671904	215,817.00	4/16/2024
The research team proposes to validate a novel in utero trophoblast transgenesis approach, in which lentiviral infection of blastocysts in utero provides a rapid, specific, and highly efficient way to evaluate critical mediators of placental development and pregnancy associated disorder.					
<b>Christopher Dupont</b>					
23-0293-A0001-1	Treating Hyperkalemic Periodic Paralysis	National Institute of Neurological Disorders and Stroke/NIH/DHHS	671596	45,077.00	8/11/2023
The researchers will unveil the mechanism causing the attacks of muscle paralysis in hyperkalemic periodic paralysis with the goal of finding a treatment for the disease.					
<b>Sherif M Elbasiouny</b>					
23-0264-A0001-1	Mechanisms Underlying Excitability Regulation of Motoneuron Types in ALS Year 6-10	National Institute of Neurological Disorders and Stroke/NIH/DHHS	671479	483,094.00	2/23/2024
The goal of this study is to investigate the ionic currents underlying the hypo-excitability changes in ALS.					
23-0264-A0001-2	Mechanisms Underlying Excitability Regulation of Motoneuron Types in ALS Year 6-10	National Institute of Neurological Disorders and Stroke/NIH/DHHS	671479	37,573.00	5/1/2024
The goal of this study is to investigate the ionic currents underlying the hypo-excitability changes in ALS.					
23-0417-A0001-1	Cognitive and Physical Performance in Operational Environments (CaPPOE)	Ball Aerospace	671761	65,000.00	3/14/2024
The overarching goal of this work is to develop and conduct physiological and behavioral assessments of various cognitive states to enable the development of personalized cognitive performance enhancements.					
23-0417-A0001-2	Cognitive and Physical Performance in Operational Environments (CaPPOE)	Ball Aerospace	671761	90,000.00	5/1/2024
The overarching goal of this work is to develop and conduct physiological and behavioral assessments of various cognitive states to enable the development of personalized cognitive performance enhancements.					
24-0013-A0001-0	Excitability dysfunction mechanisms underlying the TDP43 -dependent ALS and FTD pathogenesis	National Institute of Neurological Disorders and Stroke/NIH/DHHS	671815	633,851.00	8/29/2023
This proposal examines the mechanisms of excitability dysfunction in a new animal model of ALS/FTLD					
24-0110-A0001-0	3D Immunohistochemistry analysis to enhance the rigor of motoneuronal somatic reconstruction and potassium channel characterization	National Institute of Neurological Disorders and Stroke/NIH/DHHS	671815	45,695.00	2/29/2024
We propose to expand and improve current immunohistochemistry analysis methods via development of advanced algorithms for reconstruction of motoneuron somatic morphology and characterization of potassium ion channel expression to better understand these structures' roles in ALS.					
24-0110-A0001-1	3D Immunohistochemistry analysis to enhance the rigor of motoneuronal somatic reconstruction and potassium channel characterization	National Institute of Neurological Disorders and Stroke/NIH/DHHS	671815	12,599.00	2/29/2024

## Grants and Contracts Awarded by College

Awards from: 7/1/2023 - 6/30/2024

We propose to expand and improve current immunohistochemistry analysis methods via development of advanced algorithms for reconstruction of motoneuron somatic morphology and characterization of potassium ion channel expression to better understand these structures' roles in ALS.

**David R. Ladle**

23-0185-A0001-1	Sustained Peripheral Nerve Injury in Military Relevant Operational Environment: Role of Mitochondrial Function	Strategic Ohio Council for Higher Education	671732	52,260.00	5/2/2024
-----------------	--	---	--------	-----------	----------

This research will show how mitochondria, structures that produce energy in all cells, are affected in peripheral nerve injuries.

**Mark Monroe Rich**

23-0115-A0001-0	Neural mechanisms of age-related weakness	Ohio University	671882	16,134.00	1/11/2024
-----------------	---	-----------------	--------	-----------	-----------

The researchers will explore the possibility of developing a new treatment for weakness in the elderly.

23-0262-A0001-2	Novel Approaches to Therapy of Muscle Ion Channelopathies	National Institute of Arthritis & Musculoskeletal & Skin Diseases/NIH/DHHS	670901	484,181.00	3/14/2024
-----------------	---	--	--------	------------	-----------

The researchers will 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.

23-0305-A0001-2	Genetic suppression of SMN mutations in spinal muscular atrophy	The Ohio State University	671443	19,917.00	9/8/2023
-----------------	---	---------------------------	--------	-----------	----------

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.

**Jennae Nicolle Shelby**

24-0066-A0001-2	Unfolding the Link Between the Endoplasmic Reticulum, AIS Shortening, and Cognitive Impairment in Type 2 Diabetes	National Institute of Neurological Disorders and Stroke/NIH/DHHS	671388	52,694.00	8/2/2023
-----------------	---	--	--------	-----------	----------

The researchers will investigate cellular mechanisms responsible to uncover potential therapeutic targets while training a future physician scientist.

**Matthew Scott Sherwood**

23-0144-A0002-0	Cognitive and Neurology Research 2	KBR	671626	141,071.00	1/11/2024
-----------------	------------------------------------	-----	--------	------------	-----------

This study seeks to assess neuroinflammatory effects of hypergravity exposure (up to +9Gz) using advanced MRI applications.

23-0230-A0001-0	Transcranial magnetic stimulation pilot program	JLC Services, Inc.	671785	160,843.00	8/17/2023
-----------------	---	--------------------	--------	------------	-----------

The purpose of this project is to assess transcranial magnetic stimulation as a therapeutic for veterans and first responders.

23-0230-A0002-0	Transcranial magnetic stimulation pilot program	JLC Services, Inc.	671785	65,808.00	11/15/2023
-----------------	---	--------------------	--------	-----------	------------

Additional funding for Phase 1 clinical trial to assess transcranial magnetic stimulation as a therapeutic for veterans and first responders.

23-0230-A0003-0	Transcranial magnetic stimulation pilot program	JLC Services, Inc.	671785	780,363.00	5/10/2024
-----------------	---	--------------------	--------	------------	-----------

This study is a Phase 2 clinical trial to assess electroencephalography (EEG) guided transcranial magnetic stimulation (eTMS) as a therapeutic in veterans and first responders. 140 patients will be recruited to participant in 22 total sessions across a 4-6 week period. The total duration is 24 months.

23-0339-A0001-0	MRI scanning in support of the cognitive neuroscience portfolio	Universal Energy Systems Inc.	671847	100,000.00	9/21/2023
-----------------	---	-------------------------------	--------	------------	-----------

The researcher will perform 400+ MRI scans in support of AFRL Cognitive Neuroscience programs.

24-0201-A0001-0	MRI Scans for DIAN-TU	Washington University in St. Louis	671894	1,688.00	4/17/2024
-----------------	-----------------------	------------------------------------	--------	----------	-----------

WSU will provide MRI scans to patients enrolled in "Dominantly Inherited Alzheimer's Network Trials Unit (DIAN-TU)" research project.



## Grants and Contracts Awarded by College

Awards from: 7/1/2023 - 6/30/2024

<b>Adaku C. Ume</b>						
23-0292-A0001-1	The role of NFkB in calcineurin inhibitor-induced renal fibrosis	National Institute of Arthritis & Musculoskeletal & Skin Diseases/NIH/DHHS	671606	45,077.00	8/11/2023	
Our project goal is to test the hypothesis that renal CnAα inhibition upregulates NFkB signaling which promotes irreversible renal damage.						
<b>Clintoria Richards Williams</b>						
24-0035-A0001-0	John F. Perkins, Jr. Research Career Enhancement Award	American Physiological Society	671848	18,600.00	9/15/2023	
This innovative proposal aims to identify the impact of Zn on mitochondria dynamics.						
<b>Obstetrics &amp; Gynecology (OBJ55)</b>				<b>2</b>	<b>540,000.00</b>	
<b>David Nathaniel Dhanraj</b>						
23-0041-A0002-0	Boonshoft School of Medicine/Miami Valley Regional Quality Improvement Hub	The Ohio State University	671795	386,000.00	7/1/2023	
This project establishes a Quality Improvement HUB infrastructure to support regional efforts to improve health for Medicaid populations in the Dayton region. This proposal covers years 2 and 3 of the project involving implementation and expansion of 10-15 clinical sites conducting QI initiatives to improve maternal health.						
23-0041-A0002-1	Boonshoft School of Medicine/Miami Valley Regional Quality Improvement Hub	The Ohio State University	671795	154,000.00	7/1/2023	
This project establishes a Quality Improvement HUB infrastructure to support regional efforts to improve health for Medicaid populations in the Dayton region. This proposal covers years 2 and 3 of the project involving implementation and expansion of 10-15 clinical sites conducting QI initiatives to improve maternal health.						
<b>Pediatrics (PED55)</b>				<b>2</b>	<b>39,601.00</b>	
<b>Cynthia Judine Sieck</b>						
23-0427-A0001-1	ACHIEVE: Successfully achieving and maintaining euglycemia during pregnancy for type 2 diabetes through technology and coaching	The Ohio State University	671644	26,207.00	11/2/2023	
The objective of ACHIEVE is to successfully achieve and maintain glycemic control for Medicaid-enrolled pregnant individuals with poorly-controlled T2D through technology and team-based coaching.						
24-0124-A0001-0	Developing Primary Care Algorithms for Early Identification of Young Women with von Willebrand Disease	Research Institute at Nationwide Children's Hospital	671837	13,394.00	11/9/2023	
The researchers will develop a screening protocol for von Willebrand Disease among young women with heavy menstrual bleeding. The screening process will be implemented in primary care offices.						
<b>Pharmacology &amp; Toxicology-SOM (PCL55)</b>				<b>29</b>	<b>2,242,916.00</b>	
<b>Mae Alexandra Carpenter</b>						
23-0242-A0001-2	VA IPA - A. Carpenter	Veterans Affairs Medical Center	671448	280.00	8/17/2023	
23-0242-A0001-3	VA IPA - A. Carpenter	Veterans Affairs Medical Center	671448	17,882.00	11/2/2023	
23-0242-A0001-4	VA IPA - A. Carpenter	Veterans Affairs Medical Center	671448	17,882.00	1/18/2024	

## Grants and Contracts Awarded by College

Awards from: 7/1/2023 - 6/30/2024

23-0242-A0001-5	VA IPA - A. Carpenter	Veterans Affairs Medical Center	671448	35,764.00	5/23/2024
<b>William Cvammen</b>					
24-0004-A0001-0	Travel to 2023 EMGS Meeting  Travel award to attend EMGS meeting.	Environmental Mutagenesis and Genomics Society	671780	500.00	7/21/2023
<b>Karen M. Henkels</b>					
23-0239-A0001-4	VA IPA - K. Henkels	Veterans Affairs Medical Center	671549	297.00	8/17/2023
23-0239-A0001-5	VA IPA - K. Henkels	Veterans Affairs Medical Center	671549	15,839.00	11/2/2023
23-0239-A0001-6	VA IPA - K. Henkels	Veterans Affairs Medical Center	671549	63,832.00	1/5/2024
23-0239-A0001-7	VA IPA - K. Henkels	Veterans Affairs Medical Center	671549	21,277.00	1/18/2024
23-0239-A0001-8	VA IPA - K. Henkels	Veterans Affairs Medical Center	671549	26,241.00	5/23/2024
<b>Jessica Seyoun Hong</b>					
23-0238-A0001-2	VA IPA - J. Hong	Veterans Affairs Medical Center	671447	7,741.00	11/2/2023
23-0238-A0001-3	VA IPA - J. Hong	Veterans Affairs Medical Center	671447	7,741.00	1/18/2024
23-0238-A0001-4	VA IPA - J. Hong	Veterans Affairs Medical Center	671447	15,482.00	5/23/2024
<b>Christine M. Rapp</b>					
23-0241-A0001-2	VA IPA - C. Rapp	Veterans Affairs Medical Center	671220	41,445.00	8/17/2023

## Grants and Contracts Awarded by College

Awards from: 7/1/2023 - 6/30/2024

Stanley Dean Rider					
23-0218-A0001-1	VA IPA - S. Dean Rider	Veterans Affairs Medical Center	671742	326.00	8/17/2023
Dr. Rider's main duties include: maintaining keratinocyte cell cultures, perform in vitro experiments with keratinocytes and UV radiation, purify RNA and extract protein from skin biopsies, analyze changes in RNA and protein expression, perform bioinformatic analyses, order supplies, maintain laboratory equipment and lab organization, assist with manuscript preparation and present findings.					
23-0218-A0001-2	VA IPA - S. Dean Rider	Veterans Affairs Medical Center	671742	13,305.00	11/2/2023
Dr. Rider's main duties include: maintaining keratinocyte cell cultures, perform in vitro experiments with keratinocytes and UV radiation, purify RNA and extract protein from skin biopsies, analyze changes in RNA and protein expression, perform bioinformatic analyses, order supplies, maintain laboratory equipment and lab organization, assist with manuscript preparation and present findings.					
23-0218-A0001-3	VA IPA - S. Dean Rider	Veterans Affairs Medical Center	671742	13,304.00	1/18/2024
Dr. Rider's main duties include: maintaining keratinocyte cell cultures, perform in vitro experiments with keratinocytes and UV radiation, purify RNA and extract protein from skin biopsies, analyze changes in RNA and protein expression, perform bioinformatic analyses, order supplies, maintain laboratory equipment and lab organization, assist with manuscript preparation and present findings.					
23-0218-A0001-4	VA IPA - S. Dean Rider	Veterans Affairs Medical Center	671742	26,609.00	5/23/2024
Dr. Rider's main duties include: maintaining keratinocyte cell cultures, perform in vitro experiments with keratinocytes and UV radiation, purify RNA and extract protein from skin biopsies, analyze changes in RNA and protein expression, perform bioinformatic analyses, order supplies, maintain laboratory equipment and lab organization, assist with manuscript preparation and present findings.					
Ravi P Sahu					
23-0406-A0001-1	Mechanisms of augmented UVB immunosuppressive responses by polyaromatic hydrocarbons	National Institute of Environmental Health Sciences/NIH/DHHS	671584	187,500.00	8/4/2023
The proposed studies will determine the impact of lipid mediator, platelet-activating factor and microvesicle particles in an augmented immunosuppressive responses induced by an environmental carcinogen, UVB and pollutant, benzo[a]pyrene.					
Anita Thyagarajan					
23-0243-A0001-2	VA IPA - A. Thyagarajan	Veterans Affairs Medical Center	671219	228.00	8/17/2023
23-0243-A0001-3	VA IPA - A. Thyagarajan	Veterans Affairs Medical Center	671219	15,176.00	8/17/2023
23-0243-A0001-4	VA IPA - A. Thyagarajan	Veterans Affairs Medical Center	671219	14,586.00	1/18/2024
23-0243-A0001-5	VA IPA - A. Thyagarajan	Veterans Affairs Medical Center	671219	30,941.00	5/23/2024
Jeffrey Bryant Travers					
23-0273-A0001-1	UVB Radiation-generated Microvesicle Particles as Effectors for Photosensitivity	National Institute of Environmental Health Sciences/NIH/DHHS	671339	337,500.00	1/26/2024
This study will define the role of subcellar particles in ultraviolet radiation-induced skin responses. They will also test a potential treatment for photosensitivity.					

## Grants and Contracts Awarded by College

Awards from: 7/1/2023 - 6/30/2024

23-0407-A0001-0	Laboratory Animal Resources Care	Veterans Affairs Medical Center	671850	18,068.00	9/30/2023
	Dr. Travers will provide LAR services for the VA.				
23-0428-A0001-1	Wounding Therapy and Photocarcinogenesis	National Institute on Aging/NIH/DHHS	671660	450,670.00	11/21/2023
	This study will test the ability of wounding geriatric skin to protect from skin cancer.				
24-0007-A0001-0	Oxidized lipids and microvesicle particles as effectors for chemical threats to skin	National Institute of Arthritis & Musculoskeletal & Skin Diseases/NIH/DHHS	671793	187,500.00	7/10/2023
	This project applies well-established techniques and approaches to investigate the involvement of the lipid mediator Platelet-activating factor and microvesicle particles (MVP) release in chemical warfare-associated agents-induced deleterious effects.				
<b>Yong-jie Xu</b>					
23-0415-A0001-2	DNA Replication Checkpoint in Fission Yeast	National Institute of General Medical Sciences/NIH/DHHS	671485	337,500.00	2/1/2024
	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.				
23-0415-A0001-3	DNA Replication Checkpoint in Fission Yeast	National Institute of General Medical Sciences/NIH/DHHS	671485	337,500.00	2/1/2024
	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.				
<b>Population and Public Health Sci (CMH55)</b>				<b>13</b>	<b>6,070,467.00</b>
<b>Timothy N Crawford</b>					
24-0039-A0001-0	VA IPA - T. Crawford	Veterans Affairs Medical Center	671851	7,500.00	8/31/2023
	Dr. Crawford's main duties include: write-up of quality improvement project for submission to research office, data management/statistical work for Health Equity related projects				
<b>Jo Ann Ford</b>					
23-0423-A0001-1	Minority AIDS Initiative (MAI) - High Risk Populations "Reachable, Teachable, and Inclusive" (RTI) project	Substance Abuse & Mental Health Services Administration	671641	472,714.00	7/13/2023
	The RTI project will increase engagement in care for African Americans in Montgomery County who are at risk for or are living with HIV/AIDS.				
23-0423-A0001-2	Minority AIDS Initiative (MAI) - High Risk Populations "Reachable, Teachable, and Inclusive" (RTI) project	Substance Abuse & Mental Health Services Administration	671641	1,449,731.00	6/27/2024
	The RTI project will increase engagement in care for African Americans in Montgomery County who are at risk for or are living with HIV/AIDS.				
23-0431-A0001-4	The Offender Reentry Program	Substance Abuse & Mental Health Services Administration	671094	360,987.00	12/14/2023
	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.				
<b>Amanda Michelle Hinson-Enslin</b>					
24-0045-A0001-0	Identifying if Trauma is Associated with Substance Use Among Deaf Individuals	Peter F. McManus Charitable Trust	671861	74,998.00	11/30/2023
	The aims of this project are to translate the ACE into American Sign Language (ASL) for deaf individuals, test the ACE with 540 deaf adults who use ASL as their preferred language, examine the association of childhood trauma with alcohol use and substance use among deaf adults, and disseminate results of the study via a publication.				

## Grants and Contracts Awarded by College

Awards from: 7/1/2023 - 6/30/2024

<b>Nicole Kinzeler</b>					
23-0322-A0001-0	SAMHSA's Strategic Prevention Framework - Partnerships for Success	Substance Abuse & Mental Health Services Administration	671852	374,487.00	9/18/2023
The Substance Abuse Resources and Disability Issues (SARDI) Program in the Boonshoft School of Medicine will partner with Central State University and Wilberforce University assess, plan, implement, and evaluate substance abuse prevention efforts with African American college students ages 18 to 25.					
23-0432-A0001-0	Evaluation Services for Montgomery County Juvenile Court	Montgomery County Juvenile Court	671880	28,350.00	7/1/2023
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.					
24-0198-A0001-0	Innovative Community Crisis Response Partnership Evaluation	ADAMHS Board for Montgomery County	671892	58,309.00	2/10/2024
The Wright State University SARDI team will provide evaluation support services to the Montgomery County ADAMHS Board for their Innovative Community Crisis Response Project.					
24-0202-A0002-0	Program Evaluation - Zero Suicide Project	ADAMHS Board for Montgomery County	671891	80,000.00	2/26/2024
SARDI will provide training, technical assistance, and evaluation support for Montgomery County ADAMHS' Zero Suicide Project.					
24-0203-A0001-0	Program Evaluation: Mitigation of Trauma-Related Mental Health Conditions Experienced by Black Youth through Policy Reform	ADAMHS Board for Montgomery County	671893	60,871.00	2/26/2024
Wright State University will provide evaluation services for the project: Montgomery County ADAMHS: Mitigation of Trauma-Related Mental Health Conditions Experienced by Black Youth through Policy Reform.					
<b>Marietta A. Orlowski</b>					
24-0157-A0001-0	Establishment of the Aerospace Medicine and Human Performance Center at Wright State University	Ohio Department of Higher Education	671843	3,000,000.00	1/16/2024
WSU agrees to use the Funds to support the establishment of the Aerospace Medicine and Human Performance Center at Wright State University.					
<b>Cynthia Judine Sieck</b>					
24-0132-A0001-0	Ohio Medicaid Health Safety Net Evaluation	The Ohio State University	671914	68,836.00	4/5/2024
The main goals of the MHSN are to examine health care safety net capacities, safety net users' needs, and the mismatches between health care safety net service capacities and health care safety net needs.					
<b>Sydney Meredith Silverstein</b>					
23-0414-A0001-1	Down by Law: Assessing the Impacts of the Decriminalization of Non-Prescribed in Rhode Island	Rhode Island Hospital	671681	33,684.00	7/31/2023
This study will examine the effects of decriminalization of diverted buprenorphine in a major US metropolitan area through research with both law enforcement and people who use opioids.					
<b>Psychiatry (PYC55)</b>				<b>10</b>	<b>1,496,814.00</b>
<b>Danielle Gainer</b>					
23-0424-A0001-1	Wright OUTT (Opioid Use Treatment Training) Program	Substance Abuse & Mental Health Services Administration	671639	245,000.00	10/27/2023
Provide training to residents, and graduate-level medical students and physician assistant programs to treat opioid use disorders in office-based settings.					
<b>Julie Patrice Gentile</b>					
23-0251-A0001-0	Mental Illness/Intellectual Disability Professorship	ADAMHS Board for Montgomery County	671888	30,000.00	2/19/2024
The MI/ID Professorship supports a WSU Psychiatry faculty who provides clinical services and supervision of residents in a mental health center for patients with co-occurring ID and mental illness.					

## Grants and Contracts Awarded by College

Awards from: 7/1/2023 - 6/30/2024

23-0333-A0002-0	Ohio's Resident Training Project in Intellectual Disability	Ohio Department of Developmental Disabilities	671908	500,000.00	11/30/2023	The project supports non-billable patient care/clinical and educational work of faculty and resident physicians to increase workforce in this under-served patient population.
23-0434-A0001-0	Coordinating Center of Excellence in Mental Illness/Intellectual Disability	Ohio Department of Mental Health and Addiction Services	671792	85,500.00	10/31/2023	The project has a three-part administrative paradigm. It offers educational trainings, promotes the formation of Dual Diagnosis Intervention Teams, and provides Psychiatric Assessments.
24-0120-A0001-0	Ohio's Telepsychiatry Project for Intellectual Disability	Ohio Department of Developmental Disabilities	671910	250,000.00	10/31/2023	Wright State University will lead collaborative effort involving the Ohio Department of Mental Health and Addiction Services and the Ohio Department of Developmental Disabilities with the goal of providing appropriate treatment for individuals with co-occurring mental illness and intellectual disabilities;
<b>Kari Sharyce Harper</b>						
23-0252-A0001-0	Child Psychiatry Placements	ADAMHS Board for Montgomery County	671889	150,000.00	2/19/2024	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
<b>Brian Michael Merrill</b>						
23-0037-A0002-0	Adult Psychiatry	Ohio Department of Mental Health and Addiction Services	671808	15,000.00	2/20/2024	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.
23-0038-A0002-0	Community General Psychiatry	Ohio Department of Mental Health and Addiction Services	671811	15,000.00	2/20/2024	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.
23-0402-A0001-0	SOS 3.0 FFY2023 - Resident Expansion	ADAMHS Board for Montgomery County	671813	32,768.00	9/28/2023	This project provides support/stipends for the training of two residents in General Psychiatry. These residents train, serve, and provide programmatic support in community mental health settings.
<b>Suzie K. Nelson</b>						
24-0123-A0001-0	SOS 3.0 FFY 2024	ADAMHS Board for Montgomery County		173,546.00	5/15/2024	<b>**Abstract:**</b> This project provides support/stipends for the training of two residents in General Psychiatry. These residents provide direct clinical service at Board-supported venues. The residents also engage in an administrative project and service research.
<b>Research Affairs-SOM (RAM55)</b>				<b>8</b>	<b>1,628,675.00</b>	
<b>John S. Bruun</b>						
23-0348-A0001-0	CTRA SPOTLITE CTRA - SPOTLITE	Outcome Sciences, LLC	671611	24,255.00	9/11/2023	
<b>Jennifer Lynn Daniels</b>						
23-0328-A0001-0	CTRA Victorion CTRA Victorion	Novartis Pharmaceuticals Corporation	671631	167,850.00	11/29/2023	
23-0437-A0001-0	CTRA LibrexiaAF	Janssen Research and Development, LLC		194,642.00	11/29/2023	

## Grants and Contracts Awarded by College

Awards from: 7/1/2023 - 6/30/2024

	CTRA Librexia_AF				
24-0043-A0001-0	CTRA - Change AFIB	American Heart Association (National) (SWAP U00001353)	671834	142,652.00	11/16/2023
	CTRA study Change AFIB				
24-0142-A0001-0	CTRA study - MK616	Merck Sharp & Dohme Inc.	671868	485,069.00	2/21/2024
	CTRA study - MK-0616				
<b>Tracy J. Eicher</b>					
23-0364-A0001-0	CTRA AGNOS	Novartis Pharmaceuticals Corporation	671770	457,364.00	11/29/2023
	CTRA AGNOS				
<b>Daniel Gaudin</b>					
23-0363-A0001-0	CTRA Insightec	InSightec Ltd.	671722	50,873.00	9/11/2023
	CTRA - Insightec				
<b>Gregory Semon</b>					
24-0187-A0001-0	Clinical Trial - TBI	Pinteon Therapeutics, Inc	671556	105,970.00	2/6/2024
	Clinical Trial - TBI				
<b>College of Science and Mathematics (COSM)</b>				<b>18</b>	<b>2,408,967.00</b>
<b>Biochemistry/Molecular Biology-COSM (BMB55)</b>				<b>1</b>	<b>450,000.00</b>
<b>Weiwen Long</b>					
23-0207-A0001-0	FBXL16 as a novel factor in promoting endocrine therapy resistance and metastasis of ER+ breast cancer	National Cancer Institute/NIH/DHHS	671877	450,000.00	1/16/2024
	The proposed study aims to elucidate the role of FBXL16 in ER-positive breast tumor development and advanced progression with ET resistance and/or metastasis.				
<b>Biological Sciences (BIO55)</b>				<b>4</b>	<b>445,917.00</b>
<b>Abimbola Olayinka Kolawole</b>					
23-0263-A0001-0	Campus Wastewater Monitoring-WSU Campus	Ohio Department of Health	671829	381,313.00	9/12/2023
	This project is to continue on campus dormitory wastewater monitoring for SARS-CoV-2 gene fragments and variants during autumn and spring semester of the 2023 to 2024 academic year.				
<b>Silvia Elena Newell</b>					
23-0304-A0001-2	DISES: Coproducing Actionable Science to Understand, Mitigate, and Adapt to Cyanobacterial Harmful Algal Blooms (CHABS)	University of Connecticut	671473	31,175.00	2/6/2024
	This research proposes a transdisciplinary approach to tackle the complex problem of mitigating Cyanobacterial Harmful Algal Blooms				
<b>William Lee Romine</b>					
23-0272-A0001-1	Restructuring Middle School Science around Grand Challenges	University of North Carolina at Chapel Hill	671652	22,010.00	10/27/2023
	To restructure middle school science education around Grand Challenges and students' desire to be well-informed and to develop agency with respect to these issues.				

## Grants and Contracts Awarded by College

Awards from: 7/1/2023 - 6/30/2024

<b>Megan Arlene Rua</b>						
23-0245-A0002-1	The Tree Microbiome Project: At the Root of Climate Proofing Forests	New Zealand Forest Research Institute Limited, trading as Scion	671355	11,419.00	10/24/2023	
<b>Physics (PHY55)</b>				<b>7</b>	<b>1,006,952.00</b>	
<b>Timothy Arthur Cooper</b>						
23-0282-A0001-11	Electrical and Optical Characterization 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.	KBR	671379	812,249.00	10/11/2023	
23-0282-A0001-6	Electrical and Optical Characterization 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.	KBR	671379	24,215.00	10/11/2023	
23-0282-A0001-7	Electrical and Optical Characterization 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.	KBR	671379	6,128.00	10/11/2023	
23-0282-A0001-8	Electrical and Optical Characterization 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.	KBR	671379	34,591.00	10/11/2023	
23-0282-A0001-9	Electrical and Optical Characterization 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.	KBR	671379	34,769.00	10/11/2023	
<b>Jane L. Fox</b>						
23-0045-A0001-2	Mars Atmosphere and Volatile Evolution (MAVEN) Mission for 3 year Phase E Extended Mission 5 (EM5) and an additional 3 year Phase E Option (EM6) The WSU Principal Investigator will participate in additional activities during Phase E for the Mars Atmosphere and Volatile Evolution (MAVEN) mission.	Univ of Colorado	668674	55,000.00	2/5/2024	
23-0045-A0001-3	Mars Atmosphere and Volatile Evolution (MAVEN) Mission for 3 year Phase E Extended Mission 5 (EM5) and an additional 3 year Phase E Option (EM6) The WSU Principal Investigator will participate in additional activities during Phase E for the Mars Atmosphere and Volatile Evolution (MAVEN) mission.	Univ of Colorado	668674	40,000.00	2/5/2024	
<b>Psychology (PSY55)</b>				<b>6</b>	<b>506,098.00</b>	
<b>Danielle Gainer</b>						
23-0035-A0002-0	Rural General Psychiatry 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.	Ohio Department of Mental Health and Addiction Services	671810	10,000.00	2/20/2024	
<b>Kari Sharyce Harper</b>						
24-0204-A0001-0	Child/Adolescent Psychiatry Resident Training This grant is requested for partial support of the salary of the Training Director for the residency in Child and Adolescent Psychiatry at Wright State University Boonshoft School of Medicine.	Ohio Department of Mental Health and Addiction Services	671809	35,000.00	2/20/2024	



## Grants and Contracts Awarded by College

Awards from: 7/1/2023 - 6/30/2024

<b>Ion Juvina</b>					
23-0319-A0001-0	Ocular and Physio-Temporal Indicators of Cognitive State (OPTICS)	Kairos Research LLC	671854	200,000.00	12/12/2023
The research will identify eye movement and physiological indicators of fatigue and drowsiness in dynamic human-machine tasks such as flying a plane or driving a car.					
<b>David M. Lahuis</b>					
23-0315-A0001-0	Calibrated Reliance in Artificial Intelligence / Machine Learning Systems (CRAIML)	InfoSciTex	671800	65,000.00	9/26/2023
This goal of this effort is to develop innovative research concepts that advance the overall mission of the Collaborative Interfaces and Teaming Branch (711 HPW/RHWCT), Collaborative Teaming Section which is to conduct research to develop, test, evaluate and transition methods to foster calibrated reliance in artificial intelligence / machine learning systems and methods to evaluate the relationship of calibrated reliance artificial intelligence / machine learning systems.					
<b>Valerie L. Shalin</b>					
23-0276-A0001-1	Medic Surgical Technical Assistance Tool (mSTAT) Development and Testing	University of Maryland	671357	57,802.00	9/26/2023
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.					
<b>Scott N J Watamaniuk</b>					
23-0124-A0001-0	Cortical and brainstem contributions to binocular eye movements	Smith-Kettlewell Eye Research Institute	671791	138,296.00	8/2/2023
This study explores the coordination of binocular eye movements made to objects at different distances from the observer when either both eyes are viewing or one eye is covered.					
<b>Audit Risk and Compliance (ARC5)</b>				<b>2</b>	<b>10,000.00</b>
<b>Audit Risk and Compliance (ARC55)</b>				<b>2</b>	<b>10,000.00</b>
<b>Katherine Mae Page</b>					
24-0240-A0001-0	Expanding Campus Partnerships Grant RFP	Ohio Department of Higher Education		0.00	6/4/2024
Expanding campus partnerships grant through ODHE to increase collaborative approach to sexual assault prevention.					
24-0240-A0002-0	Expanding Campus Partnerships Grant RFP	Ohio Department of Higher Education	671936	10,000.00	6/5/2024
Expanding campus partnerships grant through ODHE to increase collaborative approach to sexual assault prevention.					
<b>Chief Operating Officer (CO05)</b>				<b>3</b>	<b>2,491,232.00</b>
<b>Chief Operating Officer (CO055)</b>				<b>2</b>	<b>2,480,000.00</b>
<b>Gregory Paul Sample</b>					
23-0366-A0001-0	The Power House	National Institute of Standards & Technology/Technology Administration/DOC	671819	1,980,000.00	9/27/2023
Wright State University (WSU) with support from industry partner, Infinity Labs, will build a world class prototyping and Research & Development (R&D) facility as a catalyst for economic growth.					
24-0061-A0001-0	Clearance Ready Program	Ohio Department of Higher Education	671824	500,000.00	11/7/2023
Section 381.410 of Amended Substitute House Bill 33 of the 135th General Assembly appropriated funds to WSU for the Wright State University Clearance Ready Program.					
<b>Veterans Affairs (VMC55)</b>				<b>1</b>	<b>11,232.00</b>

## Grants and Contracts Awarded by College

Awards from: 7/1/2023 - 6/30/2024

<b>Seth Elliot Gordon</b>					
24-0239-A0001-0	Veterans Affairs Annual Reporting CY 23	Department of Veterans Affairs	671166	11,232.00	4/23/2024
Schools are provided a reporting fee based on the number of students who were certified to VA at least once during the year and who received VA educational benefits.					
<b>Intercollegiate Athletics (IAC5)</b>				<b>2</b>	<b>307,912.00</b>
<b>Intercollegiate Athletics (IAC55)</b>				<b>2</b>	<b>307,912.00</b>
<b>Joylynn Mary Brown</b>					
24-0008-A0002-0	NCAA Academic Performance Funds	Horizon League	671175	138,829.00	8/28/2023
The academic performance fund is distributed to conferences based on the academic performance of active and qualifying Division I institutions.					
24-0023-A0001-0	Academic Enhancement Fund FY 24	Horizon League	696778	169,083.00	8/28/2023
The purpose of this award is to provide direct benefits to student athletes or their families as determined by conference offices.					
<b>University Police Department (PDT5)</b>				<b>1</b>	<b>191.00</b>
<b>University Police Department (PDT55)</b>				<b>1</b>	<b>191.00</b>
<b>Kurt Andrew Holden</b>					
24-0251-A0001-0	Wright State Sexual Assault Kit Funding 2023	Ohio Office of Criminal Justice Services	671938	191.00	6/5/2024
We are applying for the personnel and costs associated with the transportation of a Sexual Assault Kit to the Bureau of Criminal Investigations in London, OH.					
<b>Provost Non-Academic (PVN5)</b>				<b>8</b>	<b>1,689,515.00</b>
<b>Provost (PRO55)</b>				<b>8</b>	<b>1,689,515.00</b>
<b>Wafa Hozien</b>					
24-0025-A0001-0	Ohio Articulation & Transfer Network FY 24	Ohio Department of Higher Education	668366	1,000,000.00	8/8/2023
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.					
<b>Bruce Martin Mackh</b>					
24-0025-A0002-0	Ohio Articulation & Transfer Network FY 24	Ohio Department of Higher Education	668366	354,711.00	6/6/2024
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.					
24-0053-A0001-0	Industry Recognized Credential Transfer Assurance Guides "ITAGs" FY 24	Ohio Department of Higher Education	671827	24,000.00	10/23/2023
This project will provide support for Industry Recognized Credential Transfer Assurance Guides "ITAGs".					
24-0057-A0001-0	Support for Position of Senior Associate Director, SCTAI, FY2024	Ohio Department of Higher Education	671802	48,548.00	9/13/2023
This project continues support for the Senior Director SCTAI. (Nikki Wearly).					
24-0058-A0001-0	Support for Position of Senior Associate Director, SCTAI, FY 2024	Ohio Department of Higher Education	671803	78,299.00	9/13/2023
This project continues support for the Senior Associate Director SCTAI (Ben Parrot).					

## Grants and Contracts Awarded by College

Awards from: 7/1/2023 - 6/30/2024

24-0059-A0001-0	Support for Position of Senior Associate Director, SCTAI, FY2024 Support for Position of Senior Associate Director, SCTAI, FY2024 (Lisa Holstrom).	Ohio Department of Higher Education	671804	91,093.00	9/13/2023
24-0212-A0001-0	Support for Position of Associate Director, SCTAI FY 2024 This project provides support for the Associate Director SCTAI (Brittany Kim).	Ohio Department of Higher Education	671907	38,579.00	3/19/2024
24-0242-A0001-0	Support for Position of Senior Associate Director, One-Year Option FY 2024 The project provides support for Senior Associate Director One-Year Option (Lisa Holstrom).	Ohio Department of Higher Education	671926	54,285.00	5/10/2024
<b>Recruitment (RECR)</b>				<b>11</b>	<b>15,768,120.00</b>
<b>Financial Aid (FIA55)</b>				<b>11</b>	<b>15,768,120.00</b>
<b>Kimberly Ann Everhart</b>					
23-0195-A0003-0	Pell Grant Program 2022-2023 These funds support PELL grants for students.	U.S. Department of Education	671497	368,467.00	11/14/2023
23-0350-A0002-0	PELL 2023/2024 These funds support PELL grants for students.	U.S. Department of Education	671689	7,335,996.00	10/19/2023
23-0350-A0003-0	PELL 2023/2024 These funds support PELL grants for students.	U.S. Department of Education	671689	6,428,182.00	2/15/2024
24-0185-A0001-0	Supplemental Educational Opportunity Grant Program (SEOG) 2024-2025 These funds support SEOG grants for students.	U.S. Department of Education	671878	341,018.00	2/6/2024
24-0186-A0001-0	Federal Work Study Program 2024-2025 These funds help support the college work-study program at WSU.	U.S. Department of Education	668743	792,535.00	2/6/2024
24-0273-A0001-0	Grow Your Own Teacher Program The Grow Your Own Teacher College (GYO) Scholarship program provides financial assistance to low-income students in eligible teacher preparation programs.	Ohio Department of Higher Education	671942	2,500.00	6/12/2024
<b>Bryan Maleik Martin</b>					
23-0002-A0002-1	ACHIEVE: A Chance to Have & Improve the Experience & Value of Education	U.S. Department of Education	671600	397,073.00	9/12/2023
24-0029-A0001-0	Science, Mathematics, and Research for Transformation (SMART) Defense Scholarship Program 2023-2024 The Science, Mathematics and Research for Transformation (SMART) Scholarship for Service Program is an opportunity for students pursuing a degree in Science, Technology, Engineering, and Mathematics (STEM) disciplines to receive a full scholarship and be gainfully employed by the Department of Defense (DoD) upon degree completion.	Logistics Management Institute	671772	82,224.00	8/17/2023
24-0107-A0001-0	Gear Up Scholarships	Ohio Department of Higher Education	670276	18,400.00	10/19/2023

## Grants and Contracts Awarded by College

Awards from: 7/1/2023 - 6/30/2024

Funds will support scholarships for Wright State University students participating in the US Dept. of Education's GEAR UP program.

24-0107-A0002-0

Gear Up Scholarships

Ohio Department of Higher  
Education

670276

1,150.00

11/20/2023

Funds will support scholarships for Wright State University students participating in the US Dept. of Education's GEAR UP program.

24-0107-A0003-0

Gear Up Scholarships

Ohio Department of Higher  
Education

670276

575.00

6/25/2024

Funds will support scholarships for Wright State University students participating in the US Dept. of Education's GEAR UP program.

**Retention (RETN)**

**1**

**670,000.00**

**Student Success Services (UVCLA)**

**1**

**670,000.00**

**Elissa Falcone**

24-0269-A0001-0

Wright State Choose Ohio First Scholarship Program

Ohio Department of Higher  
Education

671931

670,000.00

5/29/2024

The proposed enhanced Wright State Choose Ohio First (COF) Scholars program will support students in the engineering, science, information science, and health disciplines that have been identified by Ohio Means Jobs as in-demand occupations or by JobsOhio as key industries for the State of Ohio.

**University Libraries (ULIB)**

**1**

**75,000.00**

**Special Collections and Archives (SCA55)**

**1**

**75,000.00**

**Jane S. Wildermuth**

24-0199-A0002-0

Wright State University Special Collections and Archives  
Facilities Improvement

National Aviation Heritage  
Area

671917

75,000.00

4/23/2024

Special Collections and Archives (SCA) would use the grant money to upgrade its facilities which will aid in the preservation and security of our collections and enhance the overall aesthetics of the reading room.

**VP-Research and Innovation (VPRG)**

**6**

**157,022.00**

**Research & Sponsored Programs (RSP55)**

**2**

**54,340.00**

**Madhavi P. Kadakia**

24-0172-A0001-0

NEC Space

Ball Aerospace

671913

53,440.00

4/11/2024

Collaboration with Ball Aerospace and AFRL for use of NEC space.

24-0172-A0001-1

NEC Space

Ball Aerospace

671913

900.00

5/8/2024

Collaboration with Ball Aerospace and AFRL for use of NEC space.

**Wright State Research Institute (WSRI5)**

**4**

**102,682.00**

**William M Harchick**

24-0179-A0001-0

USAFSAM CBRNE FY24

Air Force Research Laboratory 671901

30,697.00

3/7/2024

CBRNE class is designed to introduce students to the "Fundamentals of Working in a contaminated/chemical environment" and the unique challenges associated with caring for patients in that arena.

24-0188-A0001-0

USAFSAM AFOM FY24

Air Force Research Laboratory 671901

29,835.00

3/7/2024

AFOM 101 is designed to introduce students to the "Fundamentals of Aerospace Medicine" and the unique aeromedical issues pertinent to the flight environment.

**Sarah Napier**

24-0102-A0001-0

USAFSAM ATLS 23-24

Air Force Research Laboratory 671826

42,150.00

10/30/2023

## Grants and Contracts Awarded by College

Awards from: 7/1/2023 - 6/30/2024

	Advanced Trauma Life Support® (ATLS) program teaches you a systematic, concise approach to the care of a trauma patient. Calamityville will support the delivery of this course.			
24-0102-A0001-1	USAFSAM ATLS 23-24	Air Force Research Laboratory	671826	0.00 10/30/2023
	Advanced Trauma Life Support® (ATLS) program teaches you a systematic, concise approach to the care of a trauma patient. Calamityville will support the delivery of this course.			
<b>Total</b>				<b>65,724,462.00</b>

## Grants and Contracts Awarded by College

Awards from: 7/1/2023 - 6/30/2024

College	#	Total
College of Engineering and Computer Science (CECS)	60	7,889,966.00
College of Health, Education, and Human Services (CHEH)	30	8,391,234.00
Lake Campus (LAKE)	10	296,515.00
College of Liberal Arts (COLA)	6	246,222.00
Boonshoft School of Medicine (SOMD)	111	25,322,566.00
College of Science and Mathematics (COSM)	18	2,408,967.00
Audit Risk and Compliance (ARC5)	2	10,000.00
Chief Operating Officer (COO5)	3	2,491,232.00
Intercollegiate Athletics (IAC5)	2	307,912.00
University Police Department (PDT5)	1	191.00
Provost Non-Academic (PVN5)	8	1,689,515.00
Recruitment (RECR)	11	15,768,120.00
Retention (RETN)	1	670,000.00
University Libraries (ULIB)	1	75,000.00
VP-Research and Innovation (VPRG)	6	157,022.00
<b>Total</b>	<b>270</b>	<b>65,724,462.00</b>

## Grants and Contracts Awarded by College

Awards from: 7/1/2023 - 6/30/2024

College / Dept	#	Total
<b>College of Engineering and Computer Science (CECS)</b>	<b>60</b>	<b>7,889,966.00</b>
Biomed Indust & Human Factor Engr (BME55)	2	250,000.00
College of Eng & Computer Sci Admin (CECS5)	3	2,389,096.00
Computer Engineering (CSE55)	1	37,260.00
Computer Science (CSC55)	15	2,155,464.00
Electrical Engineering (EEG55)	12	1,734,830.00
Mechanical & Materials Engineering (MEG55)	27	1,323,316.00
<b>College of Health, Education, and Human Services (CHEH)</b>	<b>30</b>	<b>8,391,234.00</b>
Coll of Health Ed & Human Serv Adm (CHEHA)	2	6,305,495.00
Human Services (EHS55)	3	703,773.00
Kinesiology & Health (KNH55)	1	249,751.00
Leadership Studies in Educ (LDR55)	1	81,299.00
School of Professional Psychology (SOPPA)	18	729,312.00
Social Work (SOW55)	2	200,000.00
Teacher Education (TED55)	3	121,604.00
<b>Lake Campus (LAKE)</b>	<b>10</b>	<b>296,515.00</b>
Lake Campus Admin (LAKEA)	5	51,414.00
Lake Campus Business & Admin (LCD55)	1	10,000.00
Lake Campus Education & Human Svcs (LCE55)	1	2,403.00
Lake Campus Science & Mathematics (LCM55)	3	232,698.00
<b>College of Liberal Arts (COLA)</b>	<b>6</b>	<b>246,222.00</b>
College of Liberal Arts Admin (COLA5)	3	226,542.00

## Grants and Contracts Awarded by College

Awards from: 7/1/2023 - 6/30/2024

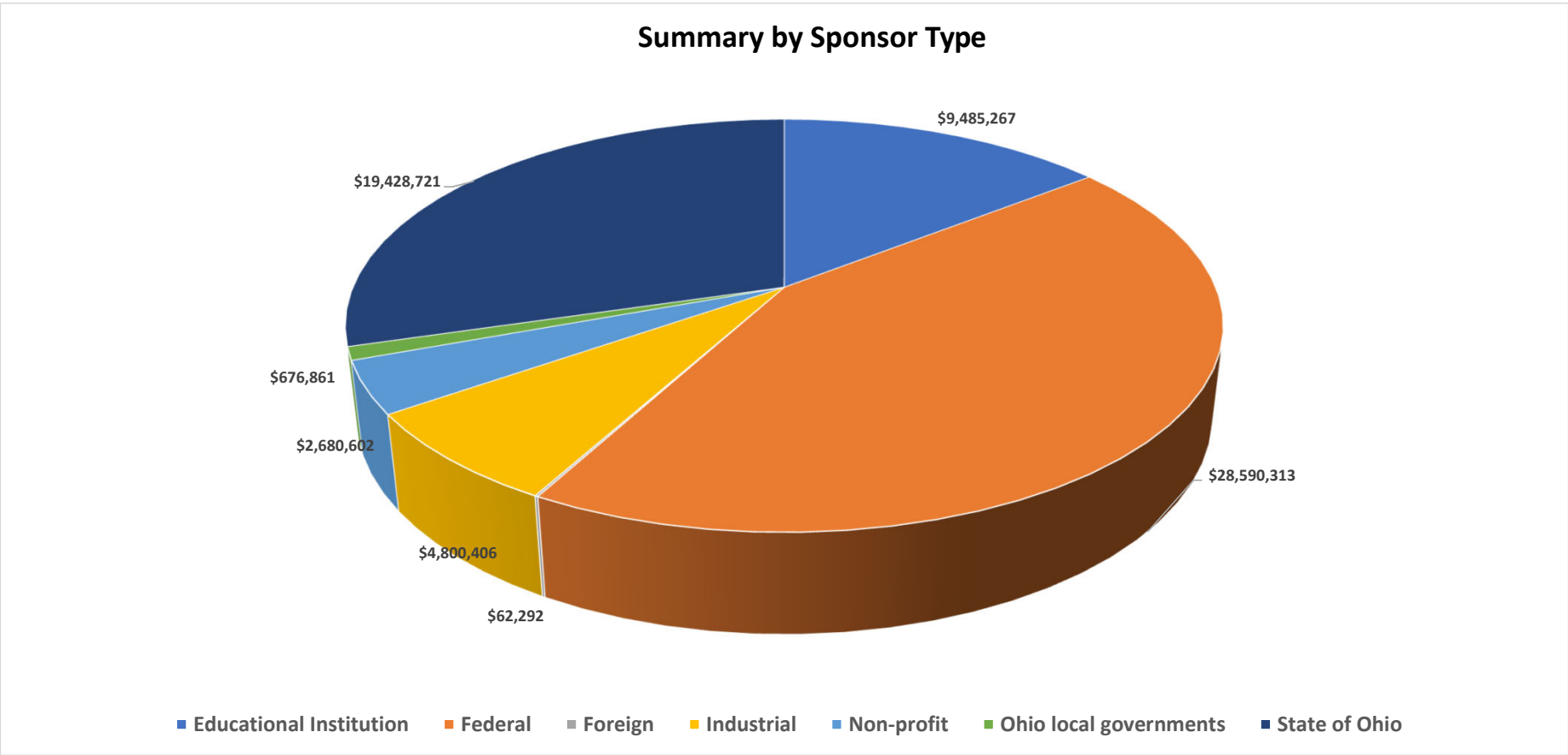
History (HST55)	1	7,680.00
School of Fine and Performing Arts (FPA55)	2	12,000.00
<b>Boonshoft School of Medicine (SOMD)</b>	<b>111</b>	<b>25,322,566.00</b>
Biochemistry/Molecular Biology-SOM (BYM55)	8	1,214,733.00
Business Office-SOM (BOM55)	8	7,333,075.00
Family Medicine (FPR55)	5	643,334.00
Medical Education - BSOM (ASM55)	1	251,410.00
Medicine (MED55)	3	294,199.00
NeuroSci Cell Bio Physiology-SOM (ANM55)	22	3,567,342.00
Obstetrics & Gynecology (OBJ55)	2	540,000.00
Pediatrics (PED55)	2	39,601.00
Pharmacology & Toxicology-SOM (PCL55)	29	2,242,916.00
Population and Public Health Sci (CMH55)	13	6,070,467.00
Psychiatry (PYC55)	10	1,496,814.00
Research Affairs-SOM (RAM55)	8	1,628,675.00
<b>College of Science and Mathematics (COSM)</b>	<b>18</b>	<b>2,408,967.00</b>
Biochemistry/Molecular Biology-COSM (BMB55)	1	450,000.00
Biological Sciences (BIO55)	4	445,917.00
Physics (PHY55)	7	1,006,952.00
Psychology (PSY55)	6	506,098.00
Audit Risk and Compliance (ARC5)	2	10,000.00
Audit Risk and Compliance (ARC55)	2	10,000.00
Chief Operating Officer (COO5)	3	2,491,232.00



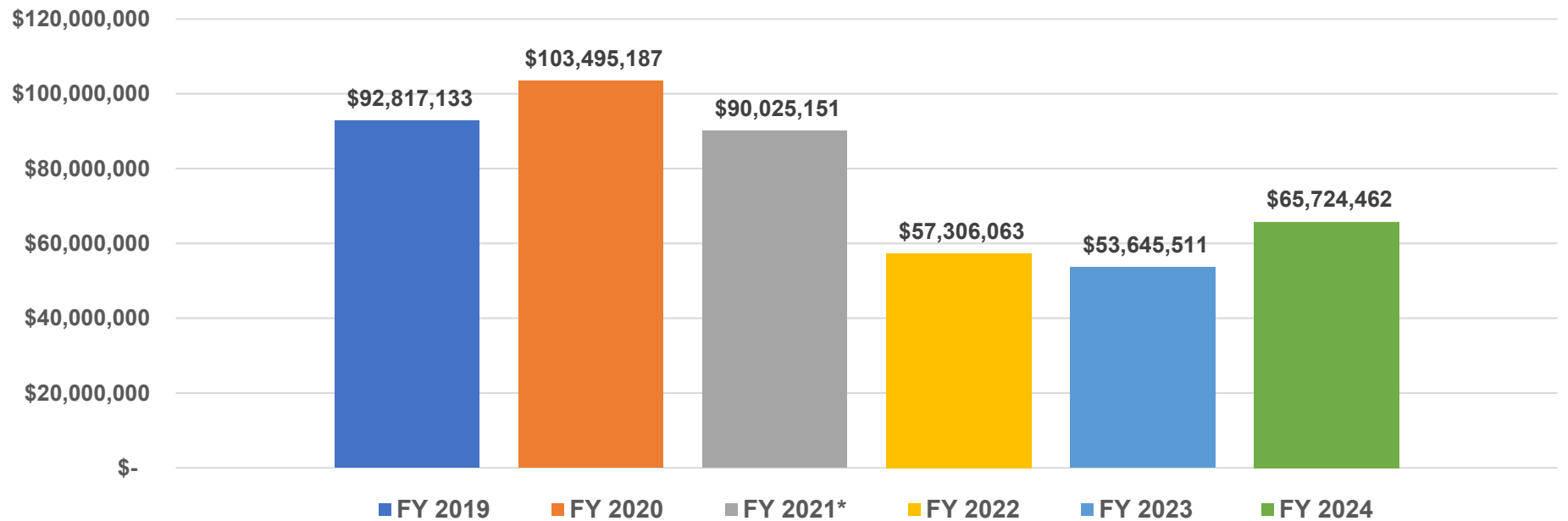
## Grants and Contracts Awarded by College

Awards from: 7/1/2023 - 6/30/2024

<b>Chief Operating Officer (COO55)</b>	<b>2</b>	<b>2,480,000.00</b>
<b>Veterans Affairs (VMC55)</b>	<b>1</b>	<b>11,232.00</b>
<b>Intercollegiate Athletics (IAC5)</b>	<b>2</b>	<b>307,912.00</b>
<b>Intercollegiate Athletics (IAC55)</b>	<b>2</b>	<b>307,912.00</b>
<b>University Police Department (PDT5)</b>	<b>1</b>	<b>191.00</b>
<b>University Police Department (PDT55)</b>	<b>1</b>	<b>191.00</b>
<b>Provost Non-Academic (PVN5)</b>	<b>8</b>	<b>1,689,515.00</b>
<b>Provost (PRO55)</b>	<b>8</b>	<b>1,689,515.00</b>
<b>Recruitment (RECR)</b>	<b>11</b>	<b>15,768,120.00</b>
<b>Financial Aid (FIA55)</b>	<b>11</b>	<b>15,768,120.00</b>
<b>Retention (RETN)</b>	<b>1</b>	<b>670,000.00</b>
<b>Student Success Services (UVCLA)</b>	<b>1</b>	<b>670,000.00</b>
<b>University Libraries (ULIB)</b>	<b>1</b>	<b>75,000.00</b>
<b>Special Collections and Archives (SCA55)</b>	<b>1</b>	<b>75,000.00</b>
<b>VP-Research and Innovation (VPRG)</b>	<b>6</b>	<b>157,022.00</b>
<b>Research &amp; Sponsored Programs (RSP55)</b>	<b>2</b>	<b>54,340.00</b>
<b>Wright State Research Institute (WSRI5)</b>	<b>4</b>	<b>102,682.00</b>
<b>Total</b>	<b>270</b>	<b>65,724,462.00</b>



### WRIGHT STATE UNIVERSITY Cumulative Grant and Contract Awards Comparison with prior fiscal years and FY 2024 YTD



\* FY 2021 includes \$35,048,007  
in CARES Act Funding.  
(Difference is \$54,977,144)