



**Research and Sponsored Programs**  
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Date: April 12, 2024

To: Daniel Palmer

From: Marianne Shreck

RE: April 2024 Board of Trustees Report

Research and Sponsored Programs has been asked to provide a statement for the minutes of the April 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 200 awards totaling \$58,249,163 in external funding for the time period of July 1, 2023 – March 31, 2024.

Recent funding received by the University includes \$496,352 from the Ohio Department of Higher Education to Dr. Huma Bashir, Department of Human Services for “Programs to Support Behavioral Health Services for Students”. The purpose of this grant is multi-fold to help with the post-pandemic crisis of mental health-related issues with our students.

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

Thank you,

*Marianne Shreck*

## Grants and Contracts Awarded for Board of Trustees

Awards from: 7/1/2023 - 3/31/2024

College / Dept / PI / Award	Award Title / Abstract	Sponsor	Grant ID	#	Total	Awarded On
<b>College of Engineering and Computer Science (CECS)</b>				<b>37</b>	<b>6,501,264.00</b>	
<b>Biomed Indust &amp; Human Factor Engr (BME55)</b>				<b>1</b>	<b>210,000.00</b>	
<b>Subhashini Ganapathy</b>						
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>Computer Engineering (CSE55)</b>				<b>1</b>	<b>15,000.00</b>	
<b>Junjie Zhang</b>						
24-0105-A0001-0	Digital Forensics: A Hands-on and Interdisciplinary Approach Curriculum  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.	Strategic Ohio Council for Higher Education	671859		15,000.00	12/11/2023
<b>Computer Science (CSC55)</b>				<b>11</b>	<b>4,289,221.00</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>Fathi Hassan Mohamed Amsaad</b>						
23-0321-A0001-0	Runtime Hardware Trojan Resilience in COTS Components using Side-Channel Monitoring of Software Signature  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.	University of Cincinnati	671855		100,282.00	12/14/2023
<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	Strategic Ohio Council for Higher Education	671773		44,130.00	7/13/2023

## Grants and Contracts Awarded for Board of Trustees

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Develop a multi-Seasonal Autoregressive Integrated Moving-Average (mulit-SARIMA) model for anomaly detection in time-series data.

**Cogan Matthew Shimizu**

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
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
24-0176-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	671890	1,821.00	2/22/2024

**Electrical Engineering (EEG55)**

**9 1,139,336.00**

**Brian D. Rigling**

23-0386-A0001-3	Dynamic, Multi-Objective Beamforming Optimization for Phased Arrays 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.	Strategic Ohio Council for Higher Education	671364	34,960.00	7/11/2023
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**Michael A. Saville**

23-0122-A0001-0	Application of Next Generation Learning, Education, and Research for Sensors (ANGLERS) Application of Next Generation Learning, Education, and Research for Sensors (ANGLERS)	University of Dayton	671814	296,595.00	9/25/2023
23-0375-A0001-0	Optics, Plasma Technology and Electro-Magnetic Antenna Structures (OPTEMASt) The goal of this project is to develop calibration methods for advanced antenna arrays.	Riverside Research	671572	52,000.00	7/27/2023
23-0375-A0002-0	Optics, Plasma Technology and Electro-Magnetic Antenna Structures (OPTEMASt) The goal of this project is to develop calibration methods for advanced antenna arrays.	Riverside Research	671572	8,200.00	11/14/2023

**James Leo Schmitz**

24-0113-A0001-0	FY24 Bistatic and EO Support 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.	Riverside Research	671886	364,126.00	2/16/2024
24-0113-A0002-0	FY24 Bistatic and EO Support 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.	Riverside Research	671886	9,877.00	3/20/2024

## Grants and Contracts Awarded for Board of Trustees

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24-0113-A0002-1	FY24 Bistatic and EO Support	Riverside Research	671886	10.00	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.					
<b>Rhonda Jean Vickery</b>					
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>Mechanical &amp; Materials Engineering (MEG55)</b>				<b>15</b>	<b>847,707.00</b>
<b>Harok Bae</b>					
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.					
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-A0001-1	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>Akm Ahsan Mian</b>					
24-0041-A0001-0	Thermal-Mechanical Reliability of Printed Electronics	Strategic Ohio Council for Higher Education	671787	11,922.00	8/17/2023
The focus of the work will be to perform reliability assessment of printed circuits under thermal and mechanical loads.					
<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
The researchers will study additively manufactured superalloy materials under high-speed impact conditions.					
24-0087-A0001-0	STTR "Catholike"	AD Engineering LLC	671856	22,000.00	12/14/2023
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.					
<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
The researchers will explain the need for a study into the effects of swirl and how they plan to study these effects.					

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23-0181-A0001-0	Combustion Cold Starting for a Mini Gas Turbine at Altitude  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.	Strategic Ohio Council for Higher Education	671771	46,000.00	7/31/2023
23-0182-A0001-0	Machine Learning Enhancement of a Viscous Approximation Method for Supersonic-Hypersonic Flow  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.	Strategic Ohio Council for Higher Education	671766	40,860.00	7/14/2023
24-0049-A0001-0	WSU FY 2024 Campus Allocation  OSGC funds to be used by the OSGC campus representative to support OSGC supported activities on campus and/or with WSU students.	Ohio Space Grant Consortium	671789	7,500.00	10/6/2023
24-0049-A0002-0	WSU FY 2024 Campus Allocation  OSGC funds to be used by the OSGC campus representative to support OSGC supported activities on campus and/or with WSU students.	Ohio Space Grant Consortium	671789	5,000.00	2/1/2024
24-0051-A0001-0	Unsteady Aerodynamics and Heat Transfer in Turbines  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.	Strategic Ohio Council for Higher Education	671790	49,469.00	8/28/2023
24-0063-A0001-0	APOP  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.	Innovative Scientific Solutions Inc.	671816	14,000.00	9/14/2023
<b>Henry D. Young</b>					
23-0420-A0001-0	Evaluation of Forging Preforms Fabricated via Additive Manufacturing Processes  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.	Cleveland State University	671864	400,000.00	1/2/2024
<b>College of Health, Education, and Human Services (CHEH)</b>				<b>28</b>	<b>8,351,734.00</b>
<b>Coll of Health Ed &amp; Human Serv Adm (CHEHA)</b>				<b>1</b>	<b>930,639.00</b>
<b>James Christopher Denniston</b>					
24-0014-A0001-0	Great Minds Fellowship Program  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.	Ohio Department of Higher Education	671794	930,639.00	8/1/2023
<b>College of Nursing &amp; Health Admin (CONHA)</b>				<b>1</b>	<b>5,374,856.00</b>
<b>James Christopher Denniston</b>					
24-0083-A0001-0	Dayton Regional Science, Technology, Engineering, and Mathematics School Services Agreement FY 24  These funds will support salaries and fringe benefits of STEM school personnel who are paid through WSU.	Dayton Regional STEM School	668340	5,374,856.00	9/22/2023
<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  To prevent suicides, advocate for mental well-being, and combat the stigma surrounding mental health.	Northeast Ohio Medical University	671906	5,000.00	3/18/2024



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Awards from: 7/1/2023 - 3/31/2024

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	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	



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The Research and Evaluation Infant Mortality Enhancement Program evaluates minority health projects. Promotes health disparity research.

<b>Teacher Education (TED55)</b>					<b>1</b>	<b>82,104.00</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>Lake Campus (LAKE)</b>					<b>8</b>	<b>478,652.00</b>
<b>Lake Campus Admin (LAKEA)</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.						
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>Lake Campus Education &amp; Human Svcs (LCE55)</b>					<b>2</b>	<b>3,484.00</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>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.						
<b>Lake Campus Science &amp; Mathematics (LCM55)</b>					<b>3</b>	<b>430,335.00</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-A0001-1	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.						
<b>Lake Campus Student Services (LCS55)</b>					<b>1</b>	<b>20,278.00</b>



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<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.					
<b>College of Liberal Arts (COLA)</b>				<b>4</b>	<b>169,680.00</b>
<b>College of Liberal Arts Admin (COLA5)</b>				<b>1</b>	<b>150,000.00</b>
<b>Wayne Frederick Stark</b>					
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.					
<b>Sch of Humanities &amp; Cult. Studies (HCS55)</b>				<b>1</b>	<b>7,680.00</b>
<b>Sean M. Pollock</b>					
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.					
<b>School of Fine and Performing Arts (FPA55)</b>				<b>2</b>	<b>12,000.00</b>
<b>Tracy Suzanne Longley-Cook</b>					
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.					
<b>Benjamin J. Montague</b>					
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.					
<b>Boonshoft School of Medicine (SOMD)</b>				<b>89</b>	<b>22,203,809.00</b>
<b>Biochemistry/Molecular Biology-SOM (BYM55)</b>				<b>5</b>	<b>1,275,822.00</b>
<b>Madhavi P. Kadakia</b>					
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.					
<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.					

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<b>Michael P. Markey</b>					
24-0017-A0001-0	Direct RNA sequencing of ant queen vs. male caste	Central State University	671840	12,930.00	11/1/2023
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.					
<b>Family Medicine (FPR55)</b>				<b>3</b>	<b>1,059,111.00</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	917,816.00	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>Medical Education - BSOM (ASM55)</b>				<b>1</b>	<b>251,410.00</b>
<b>Peter L Reynolds</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.					
<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.					

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NeuroSci Cell Bio Physiology-SOM (ANM55)	15	2,459,233.00
<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.		
23-0417-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.		
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.		
<b>Mark Monroe Rich</b>		
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.		
<b>Jennae Nicolle Shelby</b>		
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	134,885.00 8/2/2023
The researchers will investigate cellular mechanisms responsible to uncover potential therapeutic targets while training a future physician scientist.		
<b>Matthew Scott Sherwood</b>		
23-0144-A0002-0	Cognitive and Neurology Research 2	KBR
	671626	141,071.00 1/11/2024

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	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.				
23-0339-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.				
<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 CnAa 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>1</b>	<b>13,394.00</b>
<b>Cynthia Judine Sieck</b>					
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>22</b>	<b>1,544,709.00</b>
<b>Mae Alexandra Carpenter</b>					
23-0242-A0001-2	VA IPA - A. Carpenter	Veterans Affairs Medical Center	671448	280.00	8/17/2023

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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
<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
<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
<b>Christine M. Rapp</b>					
23-0241-A0001-2	VA IPA - C. Rapp	Veterans Affairs Medical Center	671220	41,445.00	8/17/2023
<b>Stanley Dean Rider</b>					
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.					

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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.					
<b>Ravi P Sahu</b>					
23-0406-A0001-1	Mechanisms of augmented UVB immunosuppressive responses by polyaromatic hydrocarbons	National Institute of Environmental Health Sciences/NIH/DHHS	671584	412,500.00	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.					
<b>Anita Thyagarajan</b>					
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
<b>Jeffrey Bryant Travers</b>					
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 subcellular particles in ultraviolet radiation-induced skin responses. They will also test a potential treatment for photosensitivity.					
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.					
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.					
<b>Population and Public Health Sci (CMH55)</b>				<b>10</b>	<b>4,190,913.00</b>

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<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.					
<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.					
<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>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.					

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Psychiatry (PYC55)	11	1,613,268.00
<b>Danielle Gainer</b>		
23-0035-A0002-0	Rural General Psychiatry	Ohio Department of Mental Health and Addiction Services 671810 10,000.00 2/20/2024  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.
23-0424-A0001-1	Wright OUTT (Opioid Use Treatment Training) Program	Substance Abuse & Mental Health Services Administration 671639 490,000.00 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.
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
24-0204-A0001-0	Child/Adolescent Psychiatry Resident Training	Ohio Department of Mental Health and Addiction Services 671809 35,000.00 2/20/2024  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.
<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



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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.

Research Affairs-SOM (RAM55)			8	1,628,675.00
<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 CTRA Librexia_AF	Janssen Research and Development, LLC		194,642.00 11/29/2023
24-0043-A0001-0	CTRA - Change AFIB CTRA study Change AFIB	American Heart Association (National) (SWAP U00001353)	671834	142,652.00 11/16/2023
24-0142-A0001-0	CTRA study - MK616 CTRA study - MK-0616	Merck Sharp & Dohme Inc.	671868	485,069.00 2/21/2024
<b>Tracy J. Eicher</b>				
23-0364-A0001-0	CTRA AGNOS CTRA AGNOS	Novartis Pharmaceuticals Corporation	671770	457,364.00 11/29/2023
<b>Daniel Gaudin</b>				
23-0363-A0001-0	CTRA Insightec CTRA - Insightec	InSightec Ltd.	671722	50,873.00 9/11/2023
<b>Gregory Semon</b>				
24-0187-A0001-0	Clinical Trial - TBI Clinical Trial - TBI	Pinteon Therapeutics, Inc	671556	105,970.00 2/6/2024
School of Medicine Admin (SOMDA)			8	7,333,075.00
<b>Amanda Catherine Carson-Spychalski</b>				
24-0067-A0001-0	ODHE Subsidy - WSU Clinical Teaching This project will support WSU Clinical Teaching Program.	Ohio Department of Higher Education	671714	2,947,000.00 11/20/2023
24-0067-A0001-1	ODHE Subsidy - WSU Clinical Teaching This project will support WSU Clinical Teaching Program.	Ohio Department of Higher Education	671714	3,035,000.00 11/20/2023

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24-0074-A0001-0	ODHE Subsidy for Primary Care  This project will support primary care residencies.	Ohio Department of Higher Education	671718	201,738.00	11/27/2023
24-0074-A0001-1	ODHE Subsidy for Primary Care  This project will support primary care residencies.	Ohio Department of Higher Education	671718	201,738.00	11/27/2023
24-0078-A0001-0	ODHE Subsidy for Family Practice  This project will support the WSU Family Practice Program.	Ohio Department of Higher Education	671716	399,728.00	11/8/2023
24-0078-A0001-1	ODHE Subsidy for Family Practice  This project will support the WSU Family Practice Program.	Ohio Department of Higher Education	671716	399,728.00	11/8/2023
24-0101-A0001-0	WSU Geriatric Medicine program  This project will support the geriatric medicine program.	Ohio Department of Higher Education	671720	73,000.00	11/8/2023
24-0101-A0001-1	WSU Geriatric Medicine program  This project will support the geriatric medicine program.	Ohio Department of Higher Education	671720	75,143.00	11/8/2023
<b>College of Science and Mathematics (COSM)</b>				<b>12</b>	<b>1,004,939.00</b>
<b>Biological Sciences (BIO55)</b>				<b>2</b>	<b>392,732.00</b>
<b>Abimbola Olayinka Kolawole</b>					
23-0263-A0001-0	Campus Wastewater Monitoring-WSU Campus  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.	Ohio Department of Health	671829	381,313.00	9/12/2023
<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>Earth and Environmental Sciences (GLY55)</b>				<b>1</b>	<b>31,175.00</b>
<b>Silvia Elena Newell</b>					
23-0304-A0001-2	DISES: Coproducing Actionable Science to Understand, Mitigate, and Adapt to Cyanobacterial Harmful Algal Blooms (CHABS)  This research proposes a transdisciplinary approach to tackle the complex problem of mitigating Cyanobacterial Harmful Algal Blooms	University of Connecticut	671473	31,175.00	2/6/2024
<b>Physics (PHY55)</b>				<b>1</b>	<b>55,000.00</b>
<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)	Univ of Colorado	668674	55,000.00	2/5/2024

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The WSU Principal Investigator will participate in additional activities during Phase E for the Mars Atmosphere and Volatile Evolution (MAVEN) mission.

<b>Psychology (PSY55)</b>			<b>5</b>	<b>461,098.00</b>	
<b>Ion Juvina</b>					
23-0319-A0001-0	Ocular and Physio-Temporal Indicators of Cognitive State (OPTICS) 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.	Kairos Research LLC	671854	200,000.00	12/12/2023
<b>David M. Lahuis</b>					
23-0315-A0001-0	Calibrated Reliance in Artificial Intelligence / Machine Learning Systems (CRAIML) 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.	InfoSciTex	671800	65,000.00	9/26/2023
<b>Valerie L. Shalin</b>					
23-0276-A0001-1	Medic Surgical Technical Assistance Tool (mSTAT) Development and Testing 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.	University of Maryland	671357	57,802.00	9/26/2023
23-0276-A0001-2	Medic Surgical Technical Assistance Tool (mSTAT) Development and Testing 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.	University of Maryland	671357	0.00	9/26/2023
<b>Scott N J Watamaniuk</b>					
23-0124-A0001-0	Cortical and brainstem contributions to binocular eye movements 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.	Smith-Kettlewell Eye Research Institute	671791	138,296.00	8/2/2023
<b>Semiconductor Research Center (SRC55)</b>			<b>3</b>	<b>64,934.00</b>	
<b>Timothy Arthur Cooper</b>					
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
<b>Chief Operating Officer (COO5)</b>			<b>2</b>	<b>2,480,000.00</b>	
<b>Chief Operating Officer (COO55)</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

## Grants and Contracts Awarded for Board of Trustees

Awards from: 7/1/2023 - 3/31/2024

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>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>Provost Non-Academic (PVN5)</b>				<b>6</b>	<b>1,280,519.00</b>
<b>AP-Associate Provost (VPCIA)</b>				<b>6</b>	<b>1,280,519.00</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>					
24-0053-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).					
24-0059-A0001-0	Support for Position of Senior Associate Director, SCTAI, FY2024	Ohio Department of Higher Education	671804	91,093.00	9/13/2023
Support for Position of Senior Associate Director, SCTAI, FY2024 (Lisa Holstrom).					
24-0212-A0001-0	Support for Position of Associate Director, SCTAI FY 2024	Ohio Department of Higher Education	671907	38,579.00	3/19/2024
This project provides support for the Associate Director SCTAI (Brittany Kim).					
<b>Recruitment (RECR)</b>				<b>8</b>	<b>15,367,972.00</b>
<b>Financial Aid (FIA55)</b>				<b>8</b>	<b>15,367,972.00</b>

## Grants and Contracts Awarded for Board of Trustees

Awards from: 7/1/2023 - 3/31/2024

<b>Kimberly Ann Everhart</b>					
23-0195-A0003-0	Pell Grant Program 2022-2023 <small>These funds support PELL grants for students.</small>	U.S. Department of Education	671497	368,467.00	11/14/2023
23-0350-A0002-0	PELL 2023/2024 <small>These funds support PELL grants for students.</small>	U.S. Department of Education	671689	7,335,996.00	10/19/2023
23-0350-A0003-0	PELL 2023/2024 <small>These funds support PELL grants for students.</small>	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 <small>These funds support SEOG grants for students.</small>	U.S. Department of Education	671878	341,018.00	2/6/2024
24-0186-A0001-0	Federal Work Study Program 2024-2025 <small>These funds help support the college work-study program at WSU.</small>	U.S. Department of Education	668743	792,535.00	2/6/2024
<b>Bryan Maleik Martin</b>					
24-0029-A0001-0	Science, Mathematics, and Research for Transformation (SMART) Defense Scholarship Program 2023-2024 <small>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.</small>	Logistics Management Institute	671772	82,224.00	8/17/2023
24-0107-A0001-0	Gear Up Scholarships <small>Funds will support scholarships for Wright State University students participating in the US Dept. of Education's GEAR UP program.</small>	Ohio Department of Higher Education	670276	18,400.00	10/19/2023
24-0107-A0002-0	Gear Up Scholarships <small>Funds will support scholarships for Wright State University students participating in the US Dept. of Education's GEAR UP program.</small>	Ohio Department of Higher Education	670276	1,150.00	11/20/2023
<b>VP-Research and Innovation (VPRG)</b>				<b>4</b>	<b>102,682.00</b>
<b>Wright State Research Institute (WSRI5)</b>				<b>4</b>	<b>102,682.00</b>
<b>William M Harchick</b>					
24-0179-A0001-0	USAFSAM CBRNE FY24 <small>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.</small>	Air Force Research Laboratory	671901	30,697.00	3/7/2024
24-0188-A0001-0	USAFSAM AFOM FY24 <small>AFOM 101 is designed to introduce students to the "Fundamentals of Aerospace Medicine" and the unique aeromedical issues pertinent to the flight environment.</small>	Air Force Research Laboratory	671901	29,835.00	3/7/2024
<b>Sarah Lillian Napier</b>					
24-0102-A0001-0	USAFSAM ATLS 23-24 <small>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.</small>	Air Force Research Laboratory	671826	42,150.00	10/30/2023
24-0102-A0001-1	USAFSAM ATLS 23-24	Air Force Research Laboratory	671826	0.00	10/30/2023

## Grants and Contracts Awarded for Board of Trustees

Awards from: 7/1/2023 - 3/31/2024

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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.

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**Total**

**58,249,163.00**

## Grants and Contracts Awarded for Board of Trustees

Awards from: 7/1/2023 - 3/31/2024

College	#	Total
College of Engineering and Computer Science (CECS)	37	6,501,264.00
College of Health, Education, and Human Services (CHEH)	28	8,351,734.00
Lake Campus (LAKE)	8	478,652.00
College of Liberal Arts (COLA)	4	169,680.00
Boonshoft School of Medicine (SOMD)	89	22,203,809.00
College of Science and Mathematics (COSM)	12	1,004,939.00
Chief Operating Officer (COO5)	2	2,480,000.00
Intercollegiate Athletics (IAC5)	2	307,912.00
Provost Non-Academic (PVN5)	6	1,280,519.00
Recruitment (RECR)	8	15,367,972.00
VP-Research and Innovation (VPRG)	4	102,682.00
<b>Total</b>		<b>58,249,163.00</b>

## Grants and Contracts Awarded for Board of Trustees

Awards from: 7/1/2023 - 3/31/2024

College / Dept	#	Total
<b>College of Engineering and Computer Science (CECS)</b>	<b>37</b>	<b>6,501,264.00</b>
Biomed Indust & Human Factor Engr (BME55)	1	210,000.00
Computer Engineering (CSE55)	1	15,000.00
Computer Science (CSC55)	11	4,289,221.00
Electrical Engineering (EEG55)	9	1,139,336.00
Mechanical & Materials Engineering (MEG55)	15	847,707.00
<b>College of Health, Education, and Human Services (CHEH)</b>	<b>28</b>	<b>8,351,734.00</b>
Coll of Health Ed & Human Serv Adm (CHEHA)	1	930,639.00
College of Nursing & Health Admin (CONHA)	1	5,374,856.00
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)	1	82,104.00
<b>Lake Campus (LAKE)</b>	<b>8</b>	<b>478,652.00</b>
Lake Campus Admin (LAKEA)	2	24,555.00
Lake Campus Education & Human Svcs (LCE55)	2	3,484.00
Lake Campus Science & Mathematics (LCM55)	3	430,335.00
Lake Campus Student Services (LCS55)	1	20,278.00
<b>College of Liberal Arts (COLA)</b>	<b>4</b>	<b>169,680.00</b>
College of Liberal Arts Admin (COLA5)	1	150,000.00



## Grants and Contracts Awarded for Board of Trustees

Awards from: 7/1/2023 - 3/31/2024

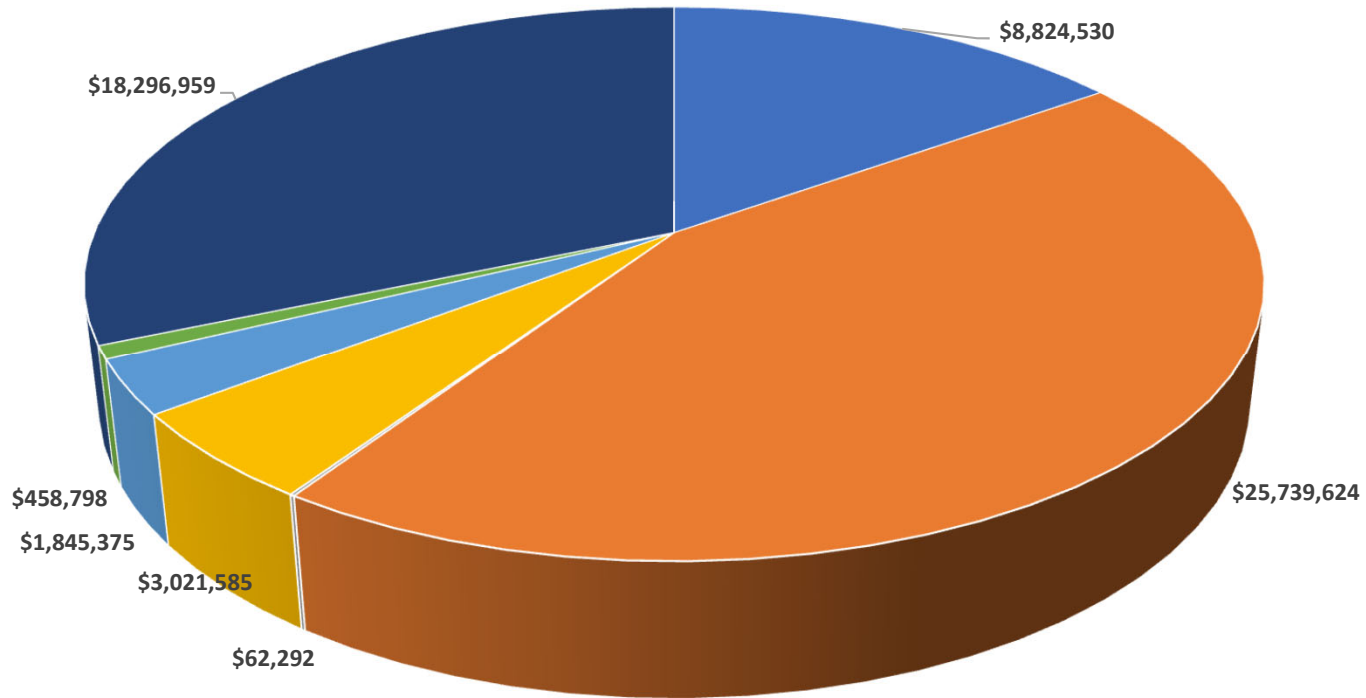
Sch of Humanities & Cult. Studies (HCS55)	1	7,680.00
School of Fine and Performing Arts (FPA55)	2	12,000.00
<b>Boonshoft School of Medicine (SOMD)</b>	<b>89</b>	<b>22,203,809.00</b>
Biochemistry/Molecular Biology-SOM (BYM55)	5	1,275,822.00
Family Medicine (FPR55)	3	1,059,111.00
Medical Education - BSOM (ASM55)	1	251,410.00
Medicine (MED55)	3	294,199.00
NeuroSci Cell Bio Physiology-SOM (ANM55)	15	2,459,233.00
Obstetrics & Gynecology (OBJ55)	2	540,000.00
Pediatrics (PED55)	1	13,394.00
Pharmacology & Toxicology-SOM (PCL55)	22	1,544,709.00
Population and Public Health Sci (CMH55)	10	4,190,913.00
Psychiatry (PYC55)	11	1,613,268.00
Research Affairs-SOM (RAM55)	8	1,628,675.00
School of Medicine Admin (SOMDA)	8	7,333,075.00
<b>College of Science and Mathematics (COSM)</b>	<b>12</b>	<b>1,004,939.00</b>
Biological Sciences (BIO55)	2	392,732.00
Earth and Environmental Sciences (GLY55)	1	31,175.00
Physics (PHY55)	1	55,000.00
Psychology (PSY55)	5	461,098.00
Semiconductor Research Center (SRC55)	3	64,934.00
Chief Operating Officer (COO5)	2	2,480,000.00
Chief Operating Officer (COO55)	2	2,480,000.00
Intercollegiate Athletics (IAC5)	2	307,912.00

## Grants and Contracts Awarded for Board of Trustees

Awards from: 7/1/2023 - 3/31/2024

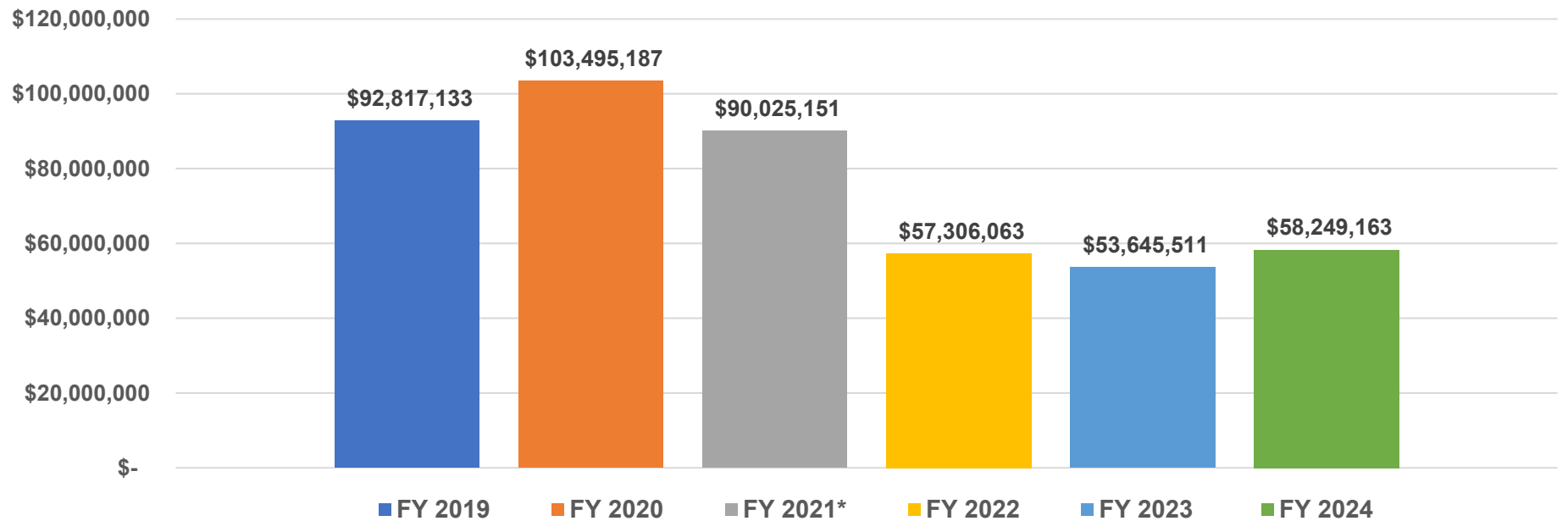
<b>Intercollegiate Athletics (IAC55)</b>	<b>2</b>	<b>307,912.00</b>
<b>Provost Non-Academic (PVN5)</b>	<b>6</b>	<b>1,280,519.00</b>
<b>AP-Associate Provost (VPCIA)</b>	<b>6</b>	<b>1,280,519.00</b>
<b>Recruitment (RECR)</b>	<b>8</b>	<b>15,367,972.00</b>
<b>Financial Aid (FIA55)</b>	<b>8</b>	<b>15,367,972.00</b>
<b>VP-Research and Innovation (VPRG)</b>	<b>4</b>	<b>102,682.00</b>
<b>Wright State Research Institute (WSRI5)</b>	<b>4</b>	<b>102,682.00</b>
<b>Total</b>		<b>58,249,163.00</b>

Summary by Sponsor Type



■ Educational Institution   ■ Federal   ■ Foreign   ■ Industrial   ■ Non-profit   ■ Ohio local government   ■ State of Ohio

### 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)