



Research and Sponsored Programs
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Date: November 23, 2020

To: Fran Keeley

From: Sheila Bensman

RE: December 2020 Board of Trustees Report

Research and Sponsored Programs has been asked to provide a statement for the minutes of the December 2020 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 130 awards totaling \$42,485,727 in external funding for the time period of July 1, 2020 – October 31, 2020.

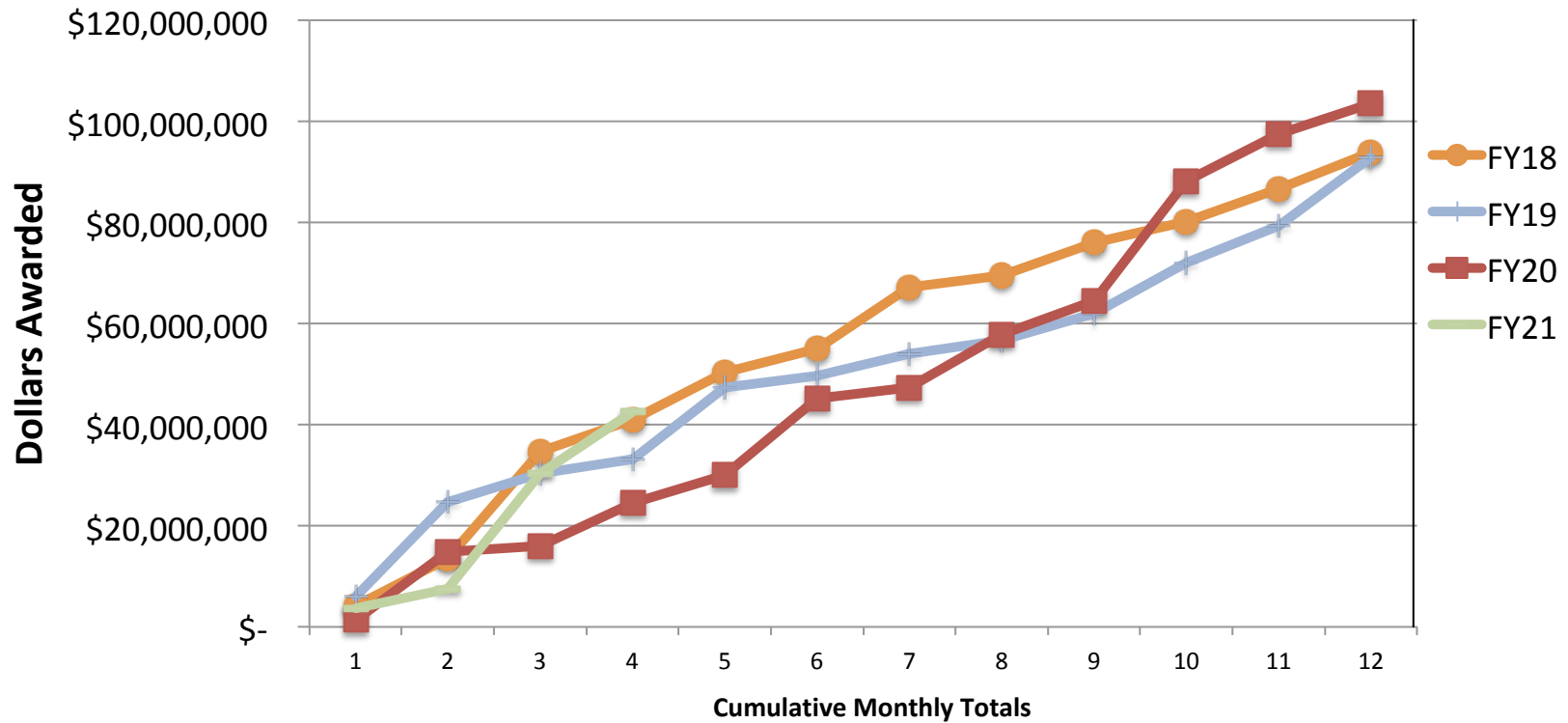
Recent funding received by the University includes \$8,100,000 from the Department of Defense, Air Force Research Laboratory to Vance Saunders (Department of Computer Science and Engineering) to develop a pipeline of trained undergraduate engineering students with the skills to design and develop digital microelectronic devices and systems.

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

WRIGHT STATE UNIVERSITY

Cumulative Grant and Contract Awards

Comparison with Previous Three Fiscal Years through October



FY21 through 10/31/20: \$42,485,727
FY20 through 10/31/19: \$24,546,948
FY19 through 10/31/18: \$33,149,970
FY18 through 10/31/17: \$40,954,698

**WRIGHT STATE UNIVERSITY
GRANT AND CONTRACT AWARDS**

**PREPARED FOR
BOARD OF TRUSTEES MEETING
December 11, 2020***

TYPE	NEW AWARDS		ONGOING AWARDS**		TOTAL AWARDS	
	Number	Dollars	Number	Dollars	Number	Dollars
Research	28	\$11,485,733	27	\$8,025,260	55	\$19,510,992
Instruction	1	\$15,000	4	\$300,894	5	\$315,894
Institutional Support	1	\$5,437,011	4	\$949,889	5	\$6,386,900
Public Service	2	\$144,850	7	\$5,426,435	9	\$5,571,285
Student Aid	8	\$88,181	7	\$6,775,484	15	\$6,863,665
TOTAL	40	\$17,170,775	49	\$21,477,961	89	\$38,648,736

* Figures include total support for awards made since the September 2020 Board of Trustees Meeting.

** Ongoing awards include renewals, continuations, supplements and amendments.
This report was prepared by the Office of Research and Innovation.

December 11, 2020
Wright State University
Grants and Contracts Awarded
Since the September 18, 2020 Board of Trustees Meeting

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
Boonshoft School of Medicine						
Basic Research						
Continuation Federal Grant 670899	Disruption of excitable axonal domains by glucose metabolite methylglyoxal	08/01/2020 07/31/2021	DHHS, National Institute of Neurological Disorders and Stroke	Susuki, Keiichiro	\$330,488	The researchers propose to show that the glucose metabolite methylglyoxal is involved in the neurological symptoms in neurodegenerative conditions such as diabetes.
Continuation Federal Grant 670530	Mechanisms of Microsatellite Instability in Human Disease	09/01/2020 08/31/2021	DHHS, National Institute of General Medical Sciences	Leffak, I. Michael	\$300,000	The researchers will characterize DNA breakage at microsatellites implicated in human disease, during normal replication and during therapies that target DNA structure.
Continuation Federal Grant 670895	Roles of calcineurin isoforms in renal regulation of blood pressure	09/01/2020 08/31/2021	DHHS, National Institute of Diabetes and Digestive and Kidney Diseases	Williams, Clintoria	\$173,460	The long-term research objective is to identify and exploit signaling pathways that regulate renal sodium transporters and subsequently sodium handling and blood pressure.
Continuation Educ. Inst. Subagreement 671210	An Interactive Game for Cultural Proficiency Training Featuring Virtual Reality Immersion (IGCPT)	07/01/2020 06/30/2021	Ohio State University	Hershberger, Paul J. Pei, Yong Binder, Stephen Bruce Crawford, Timothy Gentile, Julie P. Wischgoll, Thomas	\$139,205	Virtual reality experiences and patient simulations will be delivered as an app for various VR/AR devices to maximize the convenient access and usage by practitioners.
Continuation Federal Grant 670986	Real-time Assessment of Dialogue in Motivational Interviewing training (ReadMI)	08/01/2020 07/31/2021	DHHS, Agency for Healthcare Research and Quality	Hershberger, Paul J. Bricker, Dean Crawford, Timothy Wilson, Josephine F. Pei, Yong	\$118,134	The focus of this research is to revolutionize MI and SBIRT training with a software - based training solution that uses natural language processing to provide Real-time Assessment of Dialogue in Motivational Interviewing (ReadMI).

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Continuation Federal Grant 670994	Cell type-specific roles of calpain-2 in formation of peripheral myelinated nerves	09/01/2020 08/31/2021	DHHS, National Institute of Neurological Disorders and Stroke	Susuki, Keiichiro	\$75,000	The researchers will examine the roles of the enzyme called calpain-2 in peripheral nerves.
Continuation Federal Grant 671101	Impact of Calcineurin Inhibitors on Kidney Function	09/01/2020 08/31/2021	DHHS, National Institute of Diabetes and Digestive and Kidney Diseases	Williams, Clintoria	\$69,612	The researchers will determine if voclosporin is more selective for the beta isoform than current general inhibitors using established enzymatic, molecular and cellular techniques.
Continuation Federal Grant 671115	ER stress mediates methylglyoxal-evoked AIS shortening and neuronal dysfunction	08/01/2020 07/31/2021	DHHS, National Institute of Neurological Disorders and Stroke	Susuki, Keiichiro	\$64,110	The researchers will study the mechanisms of how methylglyoxal affects axon initial segment and neuronal function by identifying a critical cellular mechanism involved in this process.
New Educ. Inst. Subagreement 671193	Identification of miRNA biomarkers of medical rehabilitation in 3 rehabilitation clinical trials focused on: (i) Parkinson's Disease; (ii) end-stage osteoarthritis and total joint arthroplasty rehabilitation; and (iii) neuromuscular aging.	07/01/2020 06/30/2021	University of Alabama	Kadakia, Madhavi P.	\$141,815	The researchers will profile circulating miRNA from serum exosomes to identify biomarker readouts of medical rehabilitation.

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New Educ. Inst. Subagreement 671191	Ohio Cardiovascular Health Collaborative	07/03/2019 06/30/2020	Case Western Reserve University	Lamb, James F Solomon, Glen D.	\$137,511	The researchers will participate in the Ohio Cardiovascular Health Collaborative and assist in sharing best practices and expanding primary care team capacity to manage cardiovascular disease for Medicaid health care professionals.
New Industrial Contract 671200	Brain-Computer Interfaces for Assessment and Enhancement of Airman and Teams in Operational Environments (BCI- AEA-TOE)	06/01/2020 03/31/2021	Ball Aerospace	Elbasiouny, Sherif M.	\$36,220	The researchers aim to advance the sense-assess-augment paradigm to optimize individual and team performance in an operational environment.
New Federal Contract 671148	Dayton Veterans Affairs Medical Center IPA Agreement	07/02/2020 09/30/2020	Veterans Affairs Medical Center	Rapp, Christine M.	\$18,576	The PI will be assisting in growing keratinocytes and measuring cytokines from cell and murine tissues.
New Federal Contract 671198	Dayton VA Medical Center IPA Agreement - Anita Thyagarajan	08/01/2020 09/30/2020	Veterans Affairs Medical Center	Thyagarajan-Sahu, Anita	\$13,088	The PI will be involved in studies defining the role of PAF-R in various COVID-19 spike proteins in pathologies such as inflammation and cancer.
New Federal Contract 671199	Dayton VA Medical Center IPA Agreement - Christina Elise Borchers	08/01/2020 09/30/2020	Veterans Affairs Medical Center	Borchers, Christina E.	\$7,689	The PI will be involved in growing and maintaining kartinocyte cell lines and measuring cytokines from murine tissues using ELISA.

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Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
Applied Research						
Continuation Federal Grant 670807	Day-TREE	09/30/2020 09/29/2021	DHHS, Substance Abuse and Mental Health Services Administration	Ford, JoAnn	\$531,966	This study will enhance and expand comprehensive treatment, early intervention, and recovery support services for transitional aged youth and young adults.
Continuation Federal Contract 671201	Laboratory Animal Resources Care	09/30/2020 09/29/2021	Veterans Affairs Medical Center	Travers, Jeffrey B.	\$19,200	The PI will provide LAR services for the VA.
New Educ. Inst. Subagreement 671209	Crystal in the Gem City: Characterizing a Methamphetamine Outbreak in the Area of a High Prevalence of Illicit Fentanyl Use	06/01/2020 05/31/2021	Arizona State University	Silverstein, Sydney M	\$93,741	The researchers propose to characterize the methamphetamine outbreak in the Dayton, OH, metro area, a region characterized by high prevalence of illicit fentanyl use.
New Industrial Contract 671029	CTRA - ASTRAL	08/19/2019 12/31/2023	Biogen MA, Inc	Layba, Cathline J Woods, Randy J. Ekeh, Akpofure P. Walusimbi, Mbaga Semon, Gregory R	\$93,406	CTRA - ASTRAL
New Industrial Contract 671240	CTRA - ReCCLAIM II	08/27/2020 03/31/2024	Zoll Circulation, Inc.	Cheng-Ching, Esteban	\$84,268	CTRA - ReCCLAIM II

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Instruction						
Continuation State Grant 671110	Promoting Engagement for Safe Tapering of Opioids (PRESTO)	07/01/2020 06/30/2021	Ohio Department of Higher Education	Hershberger, Paul J. Crawford, Timothy Bricker, Dean	\$240,894	The researchers propose to develop and test a protocol, based on the Motivational Interviewing (MI) approach, designed to give Primary Care Providers an outline for dialog with patients that will foster motivation for commitment to tapering opioid prescriptions.
Continuation State Grant 671231	Child and Adolescent Psychiatry	07/01/2020 06/30/2021	Ohio Department of Mental Health and Addiction Services	Mast, Ryan C.	\$35,000	These funds will continue to support a partnership to improve the quality of clinical services in child and adolescent psychiatry, including training and a portion of the salary for a resident in Child and Adolescent Psychiatry.
Continuation State Grant 671232	Adult Psychiatry	07/01/2020 06/30/2021	Ohio Department of Mental Health and Addiction Services	Merrill, Brian M.	\$15,000	This funding will continue the Professorship of Adult General Psychiatry partnership with the Ohio Department of Mental Health and Addiction Services to improve the quality of clinical services in the region and enhance the training programs in public sector psychiatry. Dr. Merrill is taking over the funding from Dr. Welton in this grant year.
Continuation State Grant 671229	Rural General Psychiatry	07/01/2020 06/30/2021	Ohio Department of Mental Health and Addiction Services	Gainer, Danielle M	\$10,000	This funding will continue to support a partnership with the WSU Department of Psychiatry to improve the quality of clinical services in rural areas across the state, improve the numbers of medical professionals joining the rural public mental health sector, and complete the Department's Community Psychiatry curriculum with particular emphasis on rural communities.

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New State Grant 671230	Community General and Adult Psychiatry	07/01/2020 06/30/2021	Ohio Department of Mental Health and Addiction Services	Merrill, Brian M.	\$15,000	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.
Public Service						
Continuation Federal Grant 671206	Virtual Office Space (VOS): Improving Employment Opportunities for Individuals	09/30/2020 09/29/2021	DHHS, Administration for Community Living	Wilson, Josephine F.	\$199,965	The researchers will develop and evaluate a fully-integrated, high resolution virtual desktop for individuals with low vision, which can be accessed online from home or the workplace.
Continuation State Subagreement 671211	Ohio's Coordinating Center of Excellence in Mental Health/Intellectual Disability	07/01/2020 06/30/2021	Ohio Department of Mental Health and Addiction Services	Gentile, Julie P. Cowan, Allison	\$85,000	The researchers will provide statewide educational programming, coordination of community Dual Diagnosis Intervention Teams throughout the state, and administrative services to improve mental health care for individuals with co-occurring mental illness and intellectual disabilities.
New Other Gov't. Agreement 671208	Supplemental Contact Tracing - Butler County General Health District	09/05/2020 12/31/2020	Butler County General Health District	Orlowski, Marietta A.	\$125,000	Wright State University Population and Public Health Sciences will hire students to provide case investigation and contact tracing for Butler County General Health District from September to December 2020.
New Other Gov't. Contract 671218	Supplemental Contact Tracing - Preble County Public Health	09/14/2020 12/30/2020	Preble County General Health District	Orlowski, Marietta A.	\$19,850	Wright State University Population and Public Health Sciences will hire students to provide case investigation and contact tracing for Preble County Health Department from September to December 2020.

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Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
Academic Support						
New Federal Grant 671207	Wright State University Family Medicine Rural Residency Program	09/01/2020 08/31/2023	DHHS, Health Resources and Services Administration	Martensen, Lora A Reynolds, Peter L.	\$750,000	The Wright State University Family Medicine Rural Program will be a 1+2 Rural Training Track family medicine residency program sponsored by the Wright State University Boonshoft School of Medicine.

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College of Education and Human Services

Public Service

Amendment Educ. Inst. Grant 668340	Dayton Regional Science, Technology, Engineering, and Mathematics School Services Agreement	07/01/2020 06/30/2021	Dayton Regional Science, Technology, Engineering, and Mathematics (STEM) School	Keferl, Joseph E.	\$3,975,642	These funds will support 2020/2021 salaries and fringe benefits of STEM school personnel who are paid through WSU.
Continuation State Subagreement 671239	Support for Position of Senior Associate Director, SCTAI, FY2021	07/01/2020 06/30/2021	Ohio Department of Higher Education	Kahrig, Tammy S.	\$91,421	This project continues support for the Senior Associate Director SCTAI. (Kristi Conrad)
Continuation State Subagreement 671238	Support for Position of Senior Associate Director, SCTAI, FY2021	07/01/2020 06/30/2021	Ohio Department of Higher Education	Kahrig, Tammy S.	\$73,777	This project continues support for the Senior Associate Director SCTAI. (Nikki Wearly)

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Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
College of Engineering and Computer Science						
Basic Research						
Amendment Federal Coop. Agrmt. 670687	Science, Technology and Research for Exploiting Sensor Systems (STRESS)	03/20/2020 04/22/2022	DoD, Air Force, Air Force Research Laboratory	Rigling, Brian D.	\$499,302	Wright State University proposes to continue operation of a collaborative, student-based research center, nominally the Center for Autonomy Technology Research, for the execution of a variety of interconnected research projects.
Amendment Federal Contract 670956	Synthesis, Exploitation, Analysis, and Belief for Autonomous Sensor Systems (SEABASS)	07/01/2019 08/10/2022	DoD, Air Force, Air Force Research Laboratory	Rigling, Brian D.	\$248,699	Through a multi-university collaboration, WSU proposes to execute a variety of interconnected research projects that will extend the state of the art in sensor performance, understanding, exploitation, and architectures.
Amendment Federal Contract 670955	Synthesis, Exploitation, Analysis, and Belief for Autonomous Sensor Systems (SEABASS)	07/01/2019 08/10/2022	DoD, Air Force, Air Force Research Laboratory	Rigling, Brian D.	\$95,000	Through a multi-university collaboration, WSU proposes to execute a variety of interconnected research projects that will extend the state of the art in sensor performance, understanding, exploitation, and architectures.
Amendment Federal Contract 670160	SIRCUS TO2: Comprehensive Learning Objectives for Warfighter Needs (CLOWN)	03/31/2016 10/01/2022	DoD, Air Force, Air Force Research Laboratory	Rigling, Brian D.	\$50,000	The WSU team will undertake a multi-year effort to explore the development of methods to advance the state of the art in a variety of sensor exploitation research areas.

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Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
Continuation Federal Coop. Agrmt. 670775	Toward Undifferentiated Cognitive Agents: Determining Gaps in Comprehension	07/20/2018 07/19/2021	DoD, Air Force Office of Scientific Research	Rizki, Mateen M.	\$151,307	The researchers will investigate how cognitive agents can be made to adapt to given instructions, within a flexible scenario.
Continuation Industrial Subagreement 671082	Airman Decision Making and Interface REsearch (ADMIRE)	01/28/2020 12/23/2021	Ball Aerospace	Pei, Yong	\$40,000	This effort includes research on, and the development of, models for human communication and human-machine teaming
Continuation Industrial Subagreement 670840	Blood Flow Velocimetry Using Digital Subtraction Angiography	07/01/2018 04/30/2021	Radiation Monitoring Devices, Inc.	Yang, Zifeng	\$32,548	The researchers propose to build a novel double-pulsed X-ray imaging system to conduct blood velocity measurements in vasculatures and an optical flow method will be developed at WSU to process the images to obtain the accurate velocity assessment.
Continuation Industrial Subagreement 670912	Support of a Celestial Icosahedron Shaped Vacuum Lighter than Air Project	10/01/2020 06/21/2022	Alion Science and Technology	Wolff, J. Mitch	\$3,450	The WSU researchers will provide AFIT technical expertise related to the lighter than air evacuated sphere both from an aerodynamic and structural analysis.
New Federal Grant 671100	Assured Digital Microelectronics Education & Training Ecosystem (ADMETE)	09/03/2020 12/02/2023	DoD, Air Force, Air Force Research Laboratory	Saunders, Vance M. Rigling, Brian D.	\$8,100,000	The researchers will develop a robust Assured Digital Microelectronics Education and Training Ecosystem (ADMETE) across the State of Ohio and conduct research and development for innovative Assured and trusted Microelectronics Solutions (ATMS).

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Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
New Federal Grant 671202	To Establish a Joint DOD and WSU Center of Neuroimaging and Neuro-Evaluation of Cognitive Technologies	08/15/2020 08/14/2021	DoD, Air Force Office of Scientific Research	Sherwood, Matthew Scott Harel, Assaf Juvina, Ion Reo, Nicholas V.	\$1,100,000	The researchers propose the costs associated with the purchase and installation of a 3 Tesla Magnetic Resonance Imaging machine.
New Federal Subagreement 671186	Accelerating Additive Manufacturing Process Design for Energy Conversion Materials using In-Situ Sensing and Machine Learning	08/15/2020 11/15/2022	U.S. Department of Energy	Gockel, Joy E. Banerjee, Tanvi	\$500,000	The researchers will use in process monitoring and machine learning to develop the additive manufacturing process for thermoelectric materials.
New State Grant 669968	Action Fund Request for DOD AFOSR proposal entitled' "To Establish a Joint DOD and WSU Center of Neuroimaging and Neuro-Evaluation of Cognitive Technologies"	08/15/2020 08/14/2021	Ohio Department of Higher Education	Sherwood, Matthew Scott	\$200,000	The researcher proposes the purchase and installation of a 3 Tesla Magnetic Resonance Imaging machine.
New Federal Coop. Agrmt. 671242	Fundamental Understanding of Surface Formation Across Alloy Systems in Laser Powder Bed Fusion	10/01/2020 09/30/2022	National Institute of Standards and Technology	Gockel, Joy E.	\$120,000	The researchers will address predicting the influence of processing on the formation of surfaces in metal additive manufacturing and characterization using destructive and nondestructive techniques.

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New Non-Profit Subagreement 671177	Intelligent Analysis of Vehicle Firmware	07/01/2020 06/30/2021	Transportation Research Center Inc.	Zhang, Junjie Saunders, Vance M.	\$115,115	The researchers will offer intelligent binary analysis capabilities with a focus on vehicle firmware.
New Industrial Subagreement 671222	PT2030 SDCP Cost Estimation Models for UAV Platforms Thermal Management Systems (TMS)	09/01/2020 08/31/2021	Universal Energy Systems, Inc.	Thomas, Scott Keith	\$63,495	The PI will provide AFRL/RQQM researchers with a cost modeling tool for estimating the cost of Unmanned Air Vehicles based on commercial off the shelf products.
New Industrial Subagreement 671224	Dynamic Modeling of Aircraft Propulsion, Power, and Thermal Systems for System Verification	07/09/2020 07/09/2022	ARCTOS Technology Solutions, LLC	Wolff, J. Mitch	\$45,000	The researchers propose to develop tools to increase propulsion, power, and thermal capabilities of future generations of military aircraft without corresponding growth in system size and weight, while still ensuring mission-critical and safety-critical functions.
New Industrial Subagreement 671234	Fabrication and Characterization of Doped ZnSe Nanoparticles	07/15/2020 11/15/2021	Universal Energy Systems, Inc.	Srinivasan, Raghavan	\$35,000	The researchers plan to fabricate and characterize ZnSe Nano/Micro Crystals (N/MCs) doped with iron, chromium, copper, and manganese etc. using aqueous based processes. Computation will also be explored to correlate the particle size, dopant with the emission band energy.
New Industrial Subagreement 671190	ATRC Digital Microelectronics Summer Interns	07/13/2020 09/24/2020	Centauri	Rigling, Brian D.	\$26,782	The researchers will hire summer interns in the area of digital microelectronics design for participation in the ATRC summer intern program.

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Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
New Industrial Subagreement 671223	Design and Fabrication of a Hybrid Unmanned Air Vehicle	08/01/2020 06/30/2021	P.C. Krause and Associates	Wolff, J. Mitch	\$18,000	The researchers will be creating two teams of undergraduate mechanical and materials engineering students to participate in design project.
New Industrial Subagreement 671241	Manufacturing Alloys for Near-Net Turbine Applications to Supersonic	08/17/2020 03/26/2021	ARCTOS Technology Solutions, LLC	Gockel, Joy E.	\$11,800	The researchers will test a new material for high temperatures at room and elevated temperatures.
New Educ. Inst. Subagreement 671237	Mass Transport in Ni3Al Dislocation Structures	08/24/2020 12/31/2020	Southwestern Ohio Council for Higher Education	Farajian, Amir Wirth, Lucas J	\$10,290	The researchers will apply scripts to assess pipe diffusion in a partial dislocation in Ni3Al.
Applied Research						
New Federal Grant 671197	Quantitative Fluorescence Imaging-Guided Detection and Targeted Therapy Monitoring Platform for Ovarian Cancer Micrometastases	08/01/2020 04/30/2025	DHHS, National Cancer Institute	Sunar, Ulas	\$340,883	The researchers will implement a quantitative laparoscopic imaging and treatment approach for advanced detection of micromets and optimization of Chemophototherapy for targeted destruction of ovarian micromets and reduced toxic side effects.

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New Federal Grant 671227	Non-invasive characterization of secondary brain injuries after severe acute brain injury using integrated functional optical imaging and electroencephalography	07/01/2020 06/30/2021	DHHS, National Institute of Neurological Disorders and Stroke	Sunar, Ulas	\$85,628	The researchers will address the need through implementation of integrated EEG and functional optical imaging (EEG - Optical) instrumentation, probes, and analysis methods for data fusion; hence providing complementary information on brain activity and function.
New Industrial Subagreement 671188	Semi-Supervised Named Entity Recognition for Knowledge Extraction from Technical Documentation	06/01/2020 05/31/2021	Tenet 3, LLC	Raymer, Michael L.	\$49,860	The researchers will use state of the art machine learning methods and will apply these to the problem of identifying named entities in technical documents.

Student Aid

New State Subagreement 671217	2020-2021 OSGC Student Fellowships/Scholarships	07/01/2020 06/30/2021	Ohio Space Grant Consortium	Wolff, J. Mitch	\$22,000	Ohio Space Grant Consortium Student Fellowships/Scholarships for 2020-2021.
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College of Liberal Arts

Public Service

Supplement Non-Profit Grant 671045	Locked Unloaded	08/26/2020 11/01/2020	FotoFocus	Montague, Benjamin	\$630	This exhibition will introduce artwork and programming to facilitate conversations around gun culture and its repercussions.
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Academic Support

Amendment Non-Profit Subagreement 671044	Light, shadow, and color, an exhibition of Jay Hoops' engaging and poetic photography	08/26/2020 11/30/2022	FotoFocus	Longley-Cook, Tracy	\$73	These funds will support an exhibition of Jay Hoops' photographic prints.
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Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
College of Science and Mathematics						
Basic Research						
Amendment Federal Grant 671189	Genetic analysis of mitochondria-dependent cellular toxicity of alpha-synuclein	08/01/2020 07/31/2022	DHHS, National Institute on Aging	Zhong, Quan Ju, Shulin	\$412,500	The researchers will focus on a set of newly identified human genes that mediate mitochondria-dependent genetic buffering of synucleinopathy, a common pathological feature shared by several neurodegenerative disorders.
Amendment Federal Grant 671038	Prevention of Adenovirus Pathogenesis Through Downregulation of the Apical Adenovirus Receptor	09/01/2020 08/31/2021	DHHS, National Institute of Allergy and Infectious Diseases	Leaman, Douglas	\$391,040	The researchers propose the project will lead to new ways to block wild type adenovirus infection and potentially save the lives of people with life-threatening adenovirus infections.
Amendment Industrial Subagreement 670294	Electrical and Optical Characterization	09/01/2016 05/19/2021	Wyle Laboratories	Look, David C.	\$188,200	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.
Amendment Educ. Inst. Subagreement 670658	Immune Evasion in Aquatic Rhabdoviral Pathogens	07/01/2020 06/30/2021	University of Toledo	Leaman, Douglas	\$143,000	The scientific aim is to understand the innate immune response and virulence of novirhaboviruses in rainbow trout.
Amendment Educ. Inst. Subagreement 670521	MAVEN Extended Mission Phase E	07/01/2011 12/15/2022	University of Colorado	Fox, Jane Lee	\$27,707	The WSU Principal Investigator will participate in additional activities during Phase E for the Mars Atmosphere and Volatile Evolution (MAVEN) mission.

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Amendment Educ. Inst. Subagreement 670830	Intelligent Diagnostic Assessment Platform for School Statistics Education	09/01/2020 08/31/2021	University of Notre Dame	Kaminski, Jennifer A.	\$26,897	The researchers will develop a computerized assessment of students' learning of school statistics.
New Industrial Grant 671205	Autifony Pilot Project	09/02/2020 03/01/2021	Autifony Therapeutics	Voss, Andrew A.	\$22,500	The researchers will determine if Kv channel modulators from sponsor shorten action potentials in transgenic R6/2 Huntington's disease skeletal muscle.
New Educ. Inst. Subagreement 671152	Investigation of mercury contamination of stream water and nearshore biota collected along a gradient of glacial influence	06/30/2020 06/30/2021	University of Alaska, Fairbanks	Hammerschmidt, Chad R.	\$9,120	The researchers will examine speciation and concentrations of Hg in glacial melt outflow and estuarine waters in Alaska.
New Educ. Inst. Subagreement 671274	A Single Conical Tube Device for Precision CAR-T Cells Manufacturing	03/01/2020 02/28/2021	University of Nebraska	Xu, Zheng	\$5,946	The PI will perform all the statistical analyses in both the experimental design and results analysis.
Public Service						
Amendment State Contract 668366	Ohio Articulation and Transfer Network	07/01/2020 06/30/2021	Ohio Department of Higher Education	Leaman, Douglas	\$1,000,000	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.

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Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
School of Professional Psychology						
Basic Research						
Continuation State Grant 671226	Research and Evaluation Program (REEP)2020-2021	07/01/2020 06/30/2021	Ohio Commission on Minority Health	Jackson, LaTrelle D	\$75,000	The researchers will provide technical assistance and evaluation support to the Ohio Commission on Minority Health's demonstration Infant Mortality HUB projects.
Student Aid						
Continuation Non-Profit Contract 671225	SOPP Practicum: Hearthstone Psychology 2020 -2021	07/01/2020 06/30/2021	Hearthstone Psychology	Cigrang, Jeffrey A.	\$11,500	The sponsor will provide direct and indirect client services training for 3 doctoral students.
Continuation Industrial Contract 671216	SOPP Practicum 2020 -2021: CompDrug, Inc.	07/01/2020 06/30/2021	CompDrug	Cigrang, Jeffrey A.	\$8,320	The sponsor will provide training and fiscal support for external rotations in the SOPP Doctoral Internship program during the 2020 -2021 training year for one doctoral student.
New Non-Profit Contract 671212	SOPP Practicum 2020 -2021: Cincinnati Childrens Hospital- LEND	07/01/2020 06/30/2021	Children's Hospital Medical Center (Cincinnati)	Cigrang, Jeffrey A.	\$9,981	The sponsor will provide direct client services training for one SOPP practicum student.
New Non-Profit Contract 671185	SOPP Practicum: Court Clinic. FY2021	07/01/2020 06/30/2021	Court Clinic Forensic Services	Cigrang, Jeffrey A.	\$9,000	The sponsor will provide direct client services training for one SOPP practicum student.

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Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
New Multiple Source Contract 671213	SOPP Practicum 2020 -2021: Empower Psychology + Wellness	07/01/2020 06/30/2021	Empower Psychology + Wellness	Cigrang, Jeffrey A.	\$9,000	The sponsor will provide direct client services training for three SOPP practicum students.
New Other Gov't. Agreement 671215	SOPP Practicum: Center for Adolescent Services 2020-2021	07/01/2020 06/30/2021	Center for Adolescent Services	Cigrang, Jeffrey A.	\$9,000	The sponsor will provide direct client services training for two SOPP practicum students.
New Educ. Inst. Contract 671196	SOPP Practicum: University of Dayton - FY2021	07/01/2020 06/30/2021	University of Dayton	Cigrang, Jeffrey A.	\$6,200	The sponsor will provide direct client services training for one SOPP practicum student.
New Industrial Contract 671184	SOPP Practicum: Self Matters. FY2021	07/01/2020 06/30/2021	Self Matters LLC	Cigrang, Jeffrey A.	\$3,000	The sponsor will provide direct client services training for one SOPP practicum student.

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Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
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Universitywide

Student Services

Amendment Federal Grant 670845	ACHIEVE: A Chance to Have and Improve the Experience and Value of Education	10/01/2020 09/30/2021	U.S. Department of Education	Sanders, Donikea R	\$194,816	The researchers will continue to increase access to postsecondary education for low-income student parents through the provision of child care services at Mini University.
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Amendment State Grant 670900	Conversations on Student Success: Building Momentum for Clear Pathways to Academic Success and Equity	03/14/2019 03/31/2021	Ohio Department of Higher Education	Littell, Timothy Jason	\$5,000	This professional development program will provide workshops and seminars to increase awareness of the equity challenges in our gateway completion courses and to provide a forum in which faculty and staff will learn and apply new strategies to address equity gaps in our courses, programs, and support services.
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New State Subagreement 671176	CARES Act CRF- WSU	03/01/2020 12/30/2020	Ohio Department of Higher Education	Kawosa, Burhan	\$5,437,011	This award supports costs incurred by WSU as a result of the COVID-19 public health emergency.
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Student Aid

Amendment Federal Grant 671081	Pell Grant Program 2020-2021	04/01/2020 06/30/2021	U.S. Department of Education	Everhart, Kim	\$6,650,354	These funds support PELL grants for students.
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Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
Amendment Non-Profit Subagreement 670965	Science, Mathematics, and Research for Transformation (SMART) Defense Scholarship Program 2020/2021	08/01/2020 06/30/2021	American Society for Engineering Education	Everhart, Kim	\$37,992	The SMART Scholarship recipients will collaborate with their mentors to support the AFRL/HE Human Measurement and Signal INTelligence (H-MASINT) program.
Amendment Non-Profit Subagreement 670965	Science, Mathematics, and Research for Transformation (SMART) Defense Scholarship Program 2020/2021	07/01/2020 07/31/2021	American Society for Engineering Education	Everhart, Kim	\$37,992	The SMART Scholarship recipients will collaborate with their mentors to support the AFRL/HE Human Measurement and Signal INTelligence (H-MASINT) program.
Amendment Non-Profit Subagreement 670965	Science, Mathematics, and Research for Transformation (SMART) Defense Scholarship Program 2019/2020	05/01/2020 07/30/2020	American Society for Engineering Education	Everhart, Kim	\$21,276	The SMART Scholarship recipients will collaborate with their mentors to support the AFRL/HE Human Measurement and Signal INTelligence (H-MASINT) program.
Amendment State Subagreement 670276	GEAR UP Scholarship AY 20/21	07/01/2020 06/30/2021	Ohio Department of Higher Education	Sanders, Donikea R	\$8,050	Funds will support scholarships for Wright State University students participating in the US Department of Education's GEAR UP program.

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Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
New Non-Profit Grant 671203	Strive Partnership Stop-Out Initiative	07/01/2020 06/30/2021	Learn to Earn Dayton	Littell, Timothy Jason	\$20,000	The university will utilize the services of Blackboard consulting to initiate contact with the target groups with a primary goal to facilitate an advisor appointment to evaluate the student's degree audit and to develop an educational degree plan mapping out a semester-by-semester plan to completion of the degree.

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Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
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VP for Research and Dean of the Graduate School

Applied Research

Non-Profit	WSARC/WSRI Collaborative Project	09/01/2020 09/30/2020	Wright State Applied Research Corporation	Andersh, Dennis J.	\$2,634,155	These funds denote the portion of the FY21 WSARC funding portfolio recorded through the month of September 2020.
Non-Profit	WSARC/WSRI Collaborative Project	08/01/2020 08/31/2020	Wright State Applied Research Corporation	Andersh, Dennis J.	\$1,185,280	These funds denote the portion of the FY21 WSARC funding portfolio recorded through the month of August 2020.