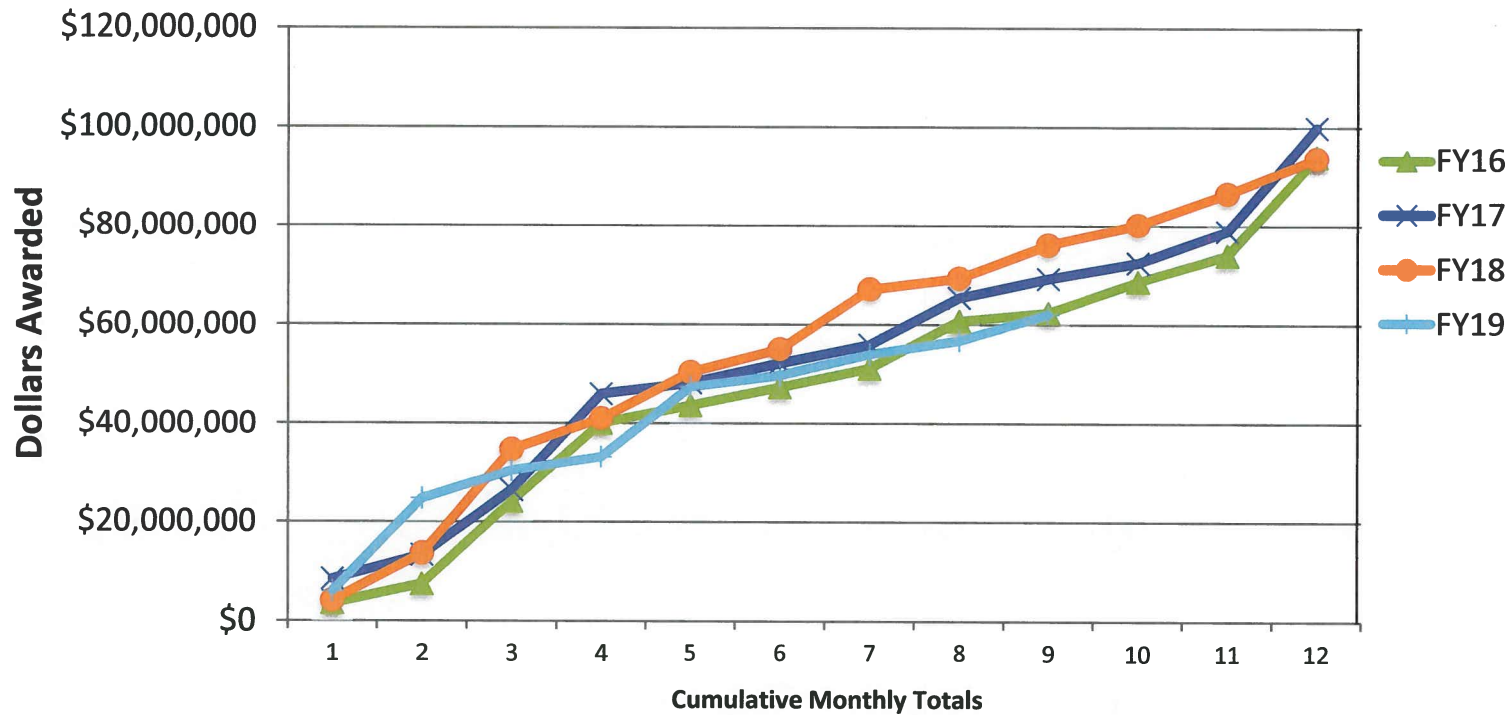


WRIGHT STATE UNIVERSITY
Cumulative Grant and Contract Awards
Comparison with Previous Three Fiscal Years through March



FY19 through 3/31/19: \$62,077,413
 FY18 through 3/31/18: \$76,098,091
 FY17 through 3/31/17: \$69,326,065
 FY16 through 3/31/16: \$62,330,329

**WRIGHT STATE UNIVERSITY
GRANT AND CONTRACT AWARDS**

**PREPARED FOR
BOARD OF TRUSTEES MEETING
May 3, 2019***

TYPE	NEW AWARDS		ONGOING AWARDS**		TOTAL AWARDS	
	Number	Dollars	Number	Dollars	Number	Dollars
Research	14	\$1,811,840	11	\$1,270,595	25	\$3,082,435
Instruction	0		1	\$34,250	1	\$34,250
Institutional Support	0		1	\$134,355	1	\$134,355
Public Service	6	\$171,399	1	\$2,577	7	\$173,975
Student Aid	0		2	\$1,362,521	2	\$1,362,521
TOTAL	20	\$1,983,239	16	\$2,804,298	36	\$4,787,536

* Figures include total support for awards made since the February 2019 Board of Trustees Meeting.

** Ongoing awards include renewals, continuations, supplements and amendments.

This report was prepared by the Office of Research and Sponsored Programs.

May 3, 2019
Wright State University
Grants and Contracts Awarded
Since the February 22, 2019 Board of Trustees Meeting

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
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Boonshoft School of Medicine

Basic Research

Amendment Educ. Inst. Subagreement	Anti-TNF Monotherapy versus Combination Therapy with Low Dose Methotrexate in Pediatric Crohn's Disease (COMBINE)	11/01/2018 10/31/2019	University of North Carolina at Chapel Hill	Saeed, Shehzad	\$49,440	The goal of this project is to assess if combination therapy with an immunomodulator medication (methotrexate) + biologic therapy vs monotherapy with biologic therapy alone results in better and sustained outcomes in children with Crohn's disease.
New Educ. Inst. Subagreement	An Interactive Game for Cultural Proficiency Training Featuring Virtual Reality Immersion	11/07/2018 06/30/2019	Ohio State University	Hershberger, Paul J.	\$469,813	Our 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.
New Non-Profit Grant	Block of TRPV4 channels as a novel approach to therapy of myotonia congenita	02/01/2019 01/31/2022	Muscular Dystrophy Association	Rich, Mark M. Voss, Andrew A.	\$300,000	The aim of this project is to develop new ways to treat the muscle disease myotonia congenita.
New Federal Grant	DNA damage response kinase signaling in non- replicating human cells and tissues	02/01/2019 01/31/2020	DHHS, National Institute of General Medical Sciences	Kemp, Michael	\$292,000	The researchers will examine the function of an important regulator of the DNA damage response in human cells and tissues, which is relevant to cancer development and treatment, drug toxicity, and aging.

May 3, 2019
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Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
New Federal Grant	Roles of calcineurin isoforms in renal regulation of blood pressure	09/25/2018 08/31/2019	DHHS, National Institute of Diabetes and Digestive and Kidney Diseases	Williams, Clintoria	\$170,960	By integrating cellular and molecular biology with animal models, our long-term research objective is to identify and exploit signaling pathways that regulate renal sodium transporters and subsequently sodium handling and blood pressure.
New Non-Profit Subagreement	Mechanistic Interpretations of Hypobaria and Hyperoxia using Metabolomics and Proteomics	07/01/2018 06/30/2019	Henry M. Jackson Foundation	Reo, Nicholas V.	\$70,551	This project is a follow-up to a pilot study conducted in 2016-17 to investigate the effects of hypobaria and hyperoxia on brain metabolism.
New Educ. Inst. Subagreement	The maternal-fetal adiponectin differential and fetal fat deposition	07/01/2018 06/30/2020	University of California, San Diego	Brown, Thomas L.	\$9,000	Dr. Brown and his laboratory will provide training on lentiviral production, blastocyst transduction, and embryo transfer into pseudopregnant females.
Applied Research						
Continuation Non-Profit Agreement	Miscellaneous Awards Under DCOP Fiscal Agency Agreement	08/01/2018 07/31/2019	Dayton Clinical Oncology Program	Paul, Kimberly A.	\$21,740	This amendment will allow supplemental funding for WSU to act as the fiscal agent for the Dayton Clinical Oncology Program (DCOP) for managing Non-NIH NCI funds per master agreement Addendum #1 having an effective date of May 12, 2005.
New Industrial Contract	CTRA - ECLIPSE	08/16/2018 08/15/2020	Cardiovascular Systems, Inc.	Goyal, Amit	\$56,352	CTRA - ECLIPSE
New Industrial Subagreement	CTRA - FLU IGIV	11/20/2018 12/31/2020	Emergent BioSolutions Canada Inc.	Polenakovik, Hari M.	\$55,247	CTRA - FLU IGIV

May 3, 2019
Wright State University
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Public Service						
Continuation Educ. Inst. Agreement	Sinclair Training	03/06/2018 03/05/2020	Sinclair Community College	Dudley, Emily S.	\$2,577	Wright State University will provide hands on training to Sinclair Community College students.
New State Subagreement	GPRA Training, Data Collection, and Reporting for the Ohio Medication Assisted Treatment - Prescription Drug and Opioid Addiction (Ohio MAT PDOA) Project	09/30/2018 09/29/2019	Ohio Department of Mental Health and Addiction Services	Kinzeler, Nicole	\$127,735	The Wright State University's Substance Abuse Resources and Disability Issues (SARDI) program will collaborate with OhioMHAS staff and project partners to provide GPRA training to healthcare providers and other staff receiving funding from their local ADAMHS board, and will conduct data collection and provide routine reports to evaluate the effectiveness of the MAT-PDOA program at reaching its goals and objectives.
New Other Gov't. Subagreement	Project Save Evaluation	10/01/2018 09/30/2019	Montgomery County ADAMH Services Board	Kinzeler, Nicole	\$35,000	Wright State University will provide evaluation and reporting for the SAMHSA funded Project Save Grant.

**May 3, 2019
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College of Education and Human Services

Basic Research

New State Subagreement	The overall success of students who transferred career-technical (CTAG) credit to Wright State University	02/28/2019 06/30/2019	Ohio Department of Higher Education	Davis, Stephanie Brun, Carl F.	\$2,000	The purpose of this research study is to inform the sponsor of the success outcomes of students who (1) participated in career-technical education prior to enrollment at Wright State University, and who were (2) awarded articulated career-technical education credit upon enrollment through the use of statewide articulation agreements.
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May 3, 2019
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Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
College of Engineering and Computer Science						
Basic Research						
Amendment Multiple Source Contract	Collaborative Center for Surveillance Research, Phase II	08/01/2018 07/31/2019	More Than One Source of Support	Rigling, Brian D.	\$150,000	These funds represent annual CSR membership fees from Boeing, Brilligent, Leidos, and SRC.
Amendment Non-Profit Subagreement	KAST – Knowledge Analytics using Semantic Technologies	05/15/2018 05/14/2019	Dayton Area Graduate Studies Institute	Cheatham, Michelle Andreen Shimizu, Cogan M	\$52,260	This PhD research project involves ingesting and visualizing multi-modal data with a strong spatial-temporal component.
Amendment Industrial Subagreement	LADAR Technology and Research	09/01/2012 01/30/2019	Leidos, Inc.	Shaw, Arnab K.	\$8,500	The research team will explore several concepts related to LADAR technology.
Amendment Industrial Subagreement	Electron Optics Analyses towards Fundamental Understanding of Functional Thin Film Materials and Devices	01/01/2019 10/29/2019	Universal Energy Systems, Inc.	Huang, Hong	\$8,000	The purpose of this project is to develop fundamental understanding of thickness, defects, interface of functional thin film structures, and their relationships with the behaviors of devices.
Amendment Educ. Inst. Subagreement	Renal Osteodystrophy: A Fresh Approach	07/01/2018 06/30/2019	University of Kentucky	Hangartner, Thomas N.	\$5,512	The WSU PI will serve as quality assurance controller over all QCT and DXA activities.
Continuation Industrial Subagreement	Design and Fabrication of an External Combustor for a JetCat Turbojet Engine	08/01/2018 06/30/2019	Universal Technology Corporation	Roberts, Rory A.	\$3,409	A team of undergraduate Mechanical and Material Engineering students will design and fabricate an external combustor for a JetCat P80SE gas turbine engine.

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Amendment Educ. Inst. Subagreement	The Ohio LSAMP	08/01/2018	Ohio State	Klingbeil, Nathan W.	\$34,250	Funding will support the participation of underrepresented minority (URM) students in a variety of programs to increase student success, including summer bridge programs, peer mentoring, undergraduate research, supplemental instruction and undergraduate teaching opportunities.
	Alliance	07/31/2019	University	Goldstein, David L.		
				Bourne, Anthony		

Instruction

**May 3, 2019
Wright State University
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Since the February 22, 2019 Board of Trustees Meeting**

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College of Liberal Arts

Basic Research

New Non-Profit Grant	Sustainable Pathways: Transforming Educational Activities through Media (TEAM)	02/01/2019 06/30/2019	Wright State Applied Research Corporation	Hall, Ashley Elizabeth Ware, Jennifer (Jen)	\$16,700	The researchers will develop and create a new and innovative series of media materials that is unique in (a) leveraging brand awareness of a growing celebrity science personality, (b) accessing large scale distribution via PBS on a state and national level and social media (c) using high quality graphics to illustrate and reinforce STEM learning opportunities, and (d) providing online access to pedagogically scaffolded resources and activities that align with STEM core concepts for teachers and parents of preK-12 students.
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College of Science and Mathematics

Basic Research

Amendment Industrial Subagreement	Electrical and Optical Characterization	09/01/2016 05/19/2021	Wyle Laboratories	Look, David C.	\$259,835	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.
New Foreign Grant	Research Support for Visiting Research Scholar	03/16/2018 03/15/2021	Nanfang Hospital, Southern Medical University	Zhong, Quan	\$51,990	Research funds will support collaborative efforts among a Wright State researcher, a Visiting Research Scholar, and a researcher from the sponsoring organization to examine the genetics of schizophrenia using functional genomics and network approaches.
New Non-Profit Grant	EEG-Based Neurocognitive Metrics of Situated Cognitive Human- Machine Interactions	02/01/2019 06/30/2029	Wright State Applied Research Corporation	Harel, Assaf	\$16,700	The researcher will employ an innovative neuroergonomic approach to human-machine teaming (HMT) to study how humans interact with and develop trust in an automated agent in operational environments.

Applied Research

New Other Gov't. Contract	Analysis of municipal water source samples for the City of Wilmington, Ohio	05/01/2018 12/15/2018	City of Wilmington	McGowin, Audrey E.	\$530	Samples were collected bimonthly over eight months for the purpose of analyzing nutrient concentrations.
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Lake Campus

Basic Research

Amendment State Subagreement	Nutrient and Sediment Retention Potential by Controlled Pond and Riparian Tile Buffer Systems	05/01/2017 07/31/2019	Ohio Environmental Protection Agency	Jacquemin, Stephen James	\$11,899	The purpose of this project is to provide nutrient, runoff, and sediment monitoring data to assess the efficiency of the use of a new sustainable agricultural technique - saturated riparian buffers.
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Student Affairs

Public Service

New Non-Profit Grant	Ohio/Western Pennsylvania/West Virginia HERC Consortium 2018 -2019	05/01/2018 06/30/2019	Tides Center	Mathis, Tonya	\$4,416	Wright State University will serve as the fiscal agent for the Ohio, Western Pennsylvania, West Virginia Higher Education Recruitment Consortium.
New Non-Profit Grant	Support for the #VoteTogether Initiative	10/04/2018 11/30/2018	Young Invincibles	Dustin, Jack L.	\$1,000	Funds were obtained in order to host a #VoteTogether celebration on campus.
New State Grant	Campus Election Engagement Project	10/01/2018 12/31/2018	Ohio Campus Compact	Dustin, Jack L.	\$248	Funds were received to assist with high-impact activities in support of electoral engagement work on campus.

Student Services

Continuation State Subagreement	Ensuring wraparound survivor support through the integration of awareness and response systems	10/01/2018 09/30/2019	Ohio Office of the Attorney General	Biesemeyer, Destinee N. Rando, Robert A.	\$134,355	This project is intended to expand services for victims of crime to ensure a wraparound model through the integration of awareness and response systems.
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Universitywide

Public Service

New State Grant	Establishment of a West Regional Transfer Group for Exploring Transfer Best Practices	01/15/2019 06/30/2019	Ohio Department of Higher Education	Brun, Carl F.	\$3,000	The goals for this group are to share unique program characteristics among all participating colleges/universities in order to help transfer students make informed decisions based on their career interests; share best practices related to advising transfer students so that transfer students have the information needed to make informed career-based, curriculum decisions; share best practices related to helping students connect curriculum choices to intended careers; and build relationships within the West Region to present transfer students with cohesive, seamless transfer
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Student Aid

Continuation Federal Grant	College Work Study Program	07/01/2019 06/30/2020	U.S. Department of Education	Barnhart, Amy	\$940,830	These funds help support the college work-study program at WSU.
Continuation Federal Grant	Supplemental Educational Opportunity Grant Program (SEOG) 2019/2020	06/01/2019 06/30/2020	U.S. Department of Education	Barnhart, Amy	\$421,691	These funds support SEOG grants for students.

**May 3, 2019
Wright State University
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VP for Research and Dean of the Graduate School

Basic Research

Amendment Federal Contract	Interactions with Semi-Autonomous Remotely Piloted Aircraft (RPA)	09/22/2011 10/14/2019	DoD, Air Force, Air Force Research Laboratory	Gross, David C.	\$700,000	The focus of this extension is to use the Vigilant Spirit Control Station to research, develop, integrate, and evaluate advanced controls and displays which enable a single operator to control multiple RPAs.
New Federal Grant	S&AS: INT: Collaborative: Goal- driven Marine Autonomy with Application to Fisheries Science and Management	02/15/2019 01/31/2022	NSF, Miscellaneous	Cox, Michael T.	\$299,997	The researchers will develop an intelligent physical system that serves as a mobile sensor network that will track acoustically tagged fish and survey the habitat at the Gray's Reef National Marine Sanctuary.
Total Funded					\$4,787,536	