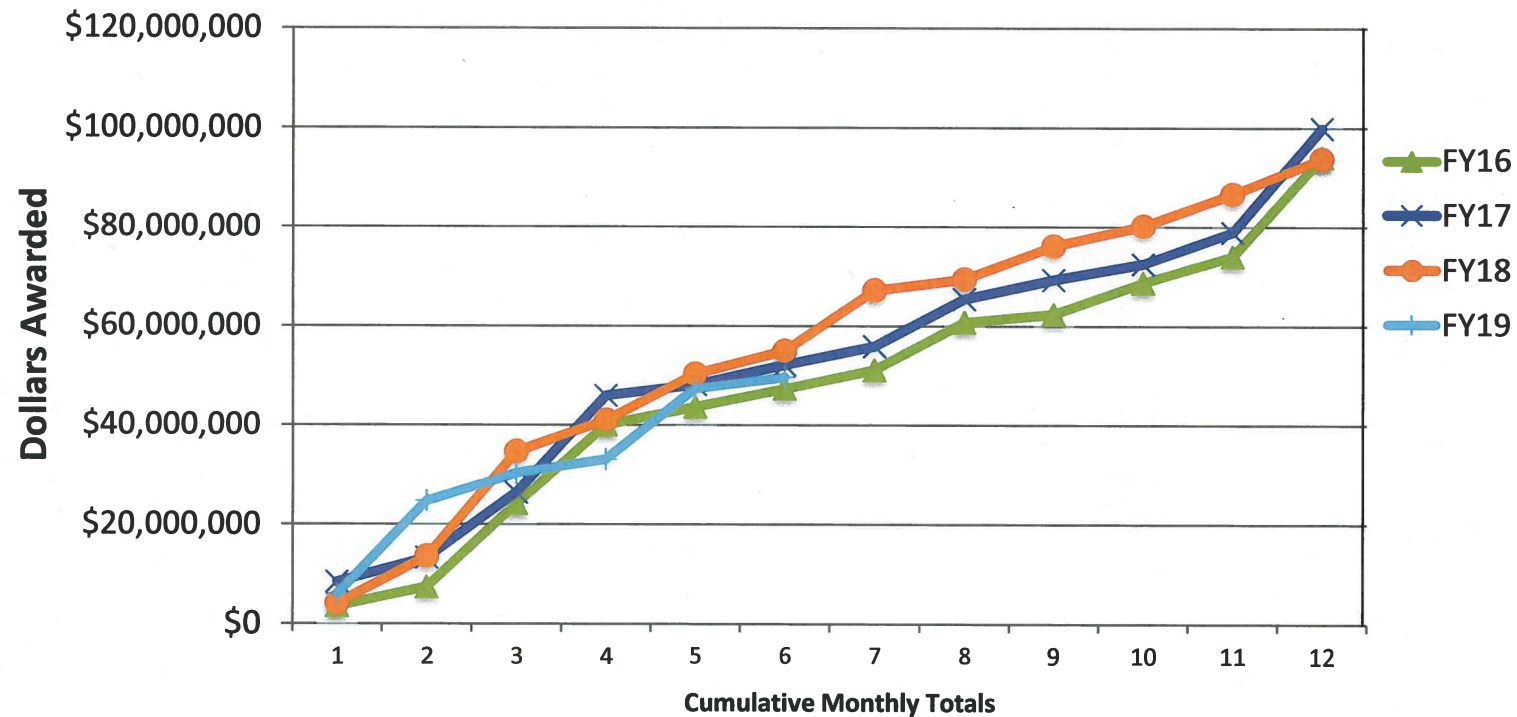


WRIGHT STATE UNIVERSITY
Cumulative Grant and Contract Awards
Comparison with Previous Three Fiscal Years through December



FY19 through 12/31/18: \$49,647,404
FY18 through 12/31/17: \$54,996,444
FY17 through 12/31/16: \$52,172,954
FY16 through 12/31/15: \$47,330,300

**WRIGHT STATE UNIVERSITY
GRANT AND CONTRACT AWARDS**

**PREPARED FOR
BOARD OF TRUSTEES MEETING
February 22, 2019***

TYPE	NEW AWARDS		ONGOING AWARDS**		TOTAL AWARDS	
	Number	Dollars	Number	Dollars	Number	Dollars
Research	10	\$577,378	19	\$4,752,343	29	\$5,329,721
Instruction	1	\$590,348	0	\$0	1	\$590,348
Institutional Support	0		0		0	
Public Service	5	\$135,959	4	\$928,160	9	\$1,064,119
Student Aid	1	\$194,816	2	\$8,600,158	3	\$8,794,974
TOTAL	17	\$1,498,501	25	\$14,280,661	42	\$15,779,162

* Figures include total support for awards made since the December 2018 Board of Trustees Meeting.

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

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

**February 22, 2019
Wright State University
Grants and Contracts Awarded
Since the December 14, 2018 Board of Trustees Meeting**

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
Boonshoft School of Medicine						
Basic Research						
Amendment Non-Profit Subagreement	Metabolomics Analyses of Fecal Extracts in a 'Humanized' Microbiome Mouse Model of Toxicant Exposure	11/01/2018 05/31/2019	Henry M. Jackson Foundation	Reo, Nicholas V.	\$96,054	The major objective is to examine the effects of US military-relevant toxicants on the gut microbiome and its local environment and, conversely, assess the microbiome-based chemical changes to the toxicant.
Amendment Non-Profit Subagreement	Integrated Sense, Assess and Augment (ISAA)	02/01/2018 01/31/2019	Wright State Applied Research Corporation	Elbasiouny, Sherif M.	\$42,125	The objective of the Integrated Sense, Assess and Augment (ISAA) program is to identify, integrate, and test specific sense, assess and augment tools and methodologies and to identify those most likely to achieve significant human performance gains in demanding Air Force mission environments.
Amendment Educ. Inst. Subagreement	Telomere Length Dynamics in Relation to Changes in Adiposity and Metabolic Risk	10/01/2018 10/31/2018	University of Texas Health Science Center at Houston	Ebert, James Ray	\$11,429	This project will investigate the use of chromosomal telomere length and telomerase activity as biomarkers of human body composition, adiposity, and as overall metabolic risk factors.
Continuation Federal Grant	TRPM7 and Cellular pH	12/01/2018 11/30/2019	DHHS, National Institute of Allergy and Infectious Diseases	Kozak, Juliusz Ashot	\$370,000	The main goal of this study is to investigate the function of TRPM7 kinase in leukocytes using a novel transgenic mouse model where TRPM7 has been replaced with its kinase-dead mutant form.

**February 22, 2019
Wright State University
Grants and Contracts Awarded
Since the December 14, 2018 Board of Trustees Meeting**

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
Continuation Federal Grant	K-Ras Plasma Membrane Interactions: A Tractable Therapeutic Target	12/01/2018 11/30/2019	DHHS, National Cancer Institute	Cho, Kwang-jin	\$241,529	This research is a new approach to block oncogenic K-Ras signaling, which could be a starting point to develop novel anti-cancer therapies that specifically target K-Ras driven cancers.
New Non-Profit Grant	Selective Regulation of Distal Nephron Sodium Handling by Calcineurin Isoform	08/01/2018 06/30/2019	American Heart Association - National	Williams, Clintoria	\$77,000	This Scientist Development Grant proposes to identify the role of each calcineurin isoform in NCC and blood pressure regulation. If successful, results of the proposed experiments may highlight a new direction for blood pressure therapies.
Supplement Federal Grant	Sisterline: Substance Abuse Treatment and HIV Prevention for African-American Women at High Risk for HIV/AIDS in Montgomery County, OH	09/30/2018 09/29/2019	DHHS, Substance Abuse and Mental Health Services Administration	Ford, JoAnn	\$25,000	The purpose of the Sisterline Project is to expand and enhance substance abuse treatment and HIV prevention intervention services for African American women (ages 18 years and older) in Montgomery County, OH, who have substance use or co-occurring substance use and mental health disorders and are living with or at risk for HIV.
Supplement Industrial Agreement	Biopsy Study	10/27/2017 10/26/2018	Devicor Medical Products, Inc.	Dudley, Emily S.	\$4,983	Wright State University will support the testing of biopsy devices.
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.	\$3,381	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.

**February 22, 2019
Wright State University
Grants and Contracts Awarded
Since the December 14, 2018 Board of Trustees Meeting**

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
New Industrial Subagreement	CTRA - TEGG	12/07/2017 12/31/2019	INC Research LLC	Ekeh, Akpofure P.	\$49,388	CTRA - TEGG
Public Service						
New Other Gov't. Subagreement	The Warriors Supporting Wellness (WSW) Project	11/01/2018 09/29/2019	Montgomery County ADAMH Services Board	Kinzeler, Nicole	\$12,500	The focus of this project is the evaluation of the Warriors Supporting Wellness (WSW) Mental Health Awareness Training (MHAT) Grant.

**February 22, 2019
Wright State University
Grants and Contracts Awarded
Since the December 14, 2018 Board of Trustees Meeting**

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
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College of Education and Human Services

Applied Research

Amendment	The Learning and	09/30/2018	University of	Huber, Mary Josephine	\$9,113	As a part of the proposed research center, Wright State researchers will explore and develop a peer support intervention to help college students with serious mental health conditions (SMHC) succeed academically in school.
Educ. Inst.	Working During the	09/29/2019	Massachusetts			
Subagreement	Transition to Adulthood Rehabilitation Research and Training Center		Medical School			

Public Service

New	HOPE Curriculum	10/11/2018	Educational	Lorson, Kevin	\$404	The sponsor requested teacher professional development support from the PI related to the HOPE curriculum.
Other Gov't. Contract	Workshop	06/30/2019	Service Center of Lorain County			

**February 22, 2019
Wright State University
Grants and Contracts Awarded
Since the December 14, 2018 Board of Trustees Meeting**

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
College of Engineering and Computer Science						
Basic Research						
Amendment Federal Contract	Sensor and Information Research Center for Understanding Systems (SIRCUS)	02/27/2015 03/30/2021	DoD, Air Force, Air Force Research Laboratory	Rigling, Brian D. Garber, Fred D. Saville, Michael Ash, Joshua Noel Wischgoll, Thomas Rizki, Mateen M.	\$190,000	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.
Amendment Industrial Subagreement	Training for Resilient Cyber Physical Systems Design, Development, and Testing	09/30/2018 09/29/2019	Knowledge Based Systems, Inc.	Zhang, Junjie Ganapathy, Subhashini Saunders, Vance M.	\$113,303	The WSU researchers will offer expertise of training for resilient cyber physical systems design, development, and testing.
Amendment Industrial Subagreement	Growth and Characterization of Multiferroic Materials	01/01/2016 11/30/2019	Azimuth Corporation	Zhuang, Yan	\$35,978	This project will explore the use of ferroelectric (FE), ferromagnetic (FM), and multiferroic ceramic materials for potential use in the development of tunable components for the production of next generation mobile communication systems to simultaneously support multiple frequency bands or communication standards.
Amendment Federal Coop. Agrmt.	Science, Technology and Research for Exploiting Sensor Systems (STRESS)	03/20/2018 05/19/2020	DoD, Air Force, Air Force Research Laboratory	Rigling, Brian D. Garber, Fred D.	\$31,000	This project will continue the ATRC summer student program and seek to expand its reach to all divisions of the AFRL Sensors Directorate.
Continuation Educ. Inst. Subagreement	Travel reimbursement for C2PNT FRN Cycle II Intelligent Channel Sensing	05/01/2017 01/20/2019	Ohio University	Wu, Zhiqiang	\$765	Funds provided for travel to meetings.

**February 22, 2019
Wright State University
Grants and Contracts Awarded
Since the December 14, 2018 Board of Trustees Meeting**

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
New Industrial Subagreement	Advanced Analog to Digital Converter (ADC) for GPS Receivers, Phase II SBIR	11/20/2018 01/15/2021	RBS Technologies, LLC	Ren, Saiyu	\$150,000	The Phase II effort will build on the Phase I work to continue the design and performance assessment of advanced Analog to Digital Converters (ADC) architectures. The objective is to complete a design of a microelectronic chip, have a prototype chip fabricated, and test the performance of the fabricated microelectronic ADC.
New Educ. Inst. Subagreement	SCH: INT: Collaborative Research: Development and Analysis of Integrative Models for Chronic Pain	09/13/2018 08/31/2019	Northwestern University	Banerjee, Tanvi	\$82,500	The researchers will develop new mathematical and statistical models for the dynamics of subjective pain in patients suffering from chronic pain.
New State Subagreement	SAE Aero Design	11/02/2018 11/30/2019	Ohio Space Grant Consortium	Thomas, Scott Keith	\$5,000	The goal of this project is to design and build a remote-controlled aircraft with certain limitation that will meet mission requirements.
Applied Research						
New Industrial Subagreement	Environmental Compensation Algorithms for Real-time Air Quality Sensors	07/01/2018 06/30/2019	Universal Energy Systems, Inc.	Rizki, Mateen M. Rigling, Brian D. Garber, Fred D.	\$92,000	The objective of this work is the design of environmental algorithmic correction factors for real-time air quality sensors.

**February 22, 2019
Wright State University
Grants and Contracts Awarded
Since the December 14, 2018 Board of Trustees Meeting**

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
Instruction						
New State Grant	Center for Virtual and Cyber-Physical Systems	10/15/2018 12/31/2020	Ohio Department of Higher Education	Wischgoll, Thomas Saunders, Vance M.	\$590,348	This funding will support a capital investment of equipment that will significantly enhance the training capabilities in the areas of information technology, healthcare, manufacturing, and defense to provide state-of-the-art training for the region's workforce pipeline.

**February 22, 2019
Wright State University
Grants and Contracts Awarded
Since the December 14, 2018 Board of Trustees Meeting**

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
College of Liberal Arts						
Public Service						
Amendment State Subagreement	Southwest Ohio Regional Prevention Coordinator Proposal	07/01/2018 06/30/2019	Ohio Department of Job and Family Services	Dockery, Jane L. Murray, Carol S.	\$698,564	The Applied Policy Research Institute will oversee the administrative functions of the Southwest Ohio Regional Prevention Council and, in partnership with stakeholders, operationalize activities to address child abuse and neglect in the region.
New Other Gov't. Subagreement	CHA/CHNA Report Template and Guidance	11/01/2018 06/30/2019	Preble County General Health District	Dockery, Jane L. Murray, Carol S.	\$119,805	This project is to develop a Community Health Assessment/Community Health Needs Assessment report template, guidance, and template-ready data to streamline the every three year requirement to conduct an assessment by nonprofit hospitals and local public health departments.
Student Aid						
Continuation Other Gov't. Contract	Greene County Records Center and Archives Student Internship	12/26/2018 04/30/2019	Greene County Records Center and Archives	Swanson, Drew A.	\$5,000	A Public History Graduate Student will serve a paid internship at the Greene County Records Center and Archives. The student's work will benefit the Center and its patrons, while providing the student with valuable archival experience and instruction.

**February 22, 2019
Wright State University
Grants and Contracts Awarded
Since the December 14, 2018 Board of Trustees Meeting**

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
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College of Nursing and Health

Basic Research

New Non-Profit Grant	Workforce and Leadership Development of U.S. Minority Nurses in Public Health Departments	09/01/2018 08/31/2019	American Nurses Foundation	Fowler, Barbara A.	\$5,000	This research study will explore factors influencing leadership development and career advancement of minority nurses in public health departments.
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**February 22, 2019
Wright State University
Grants and Contracts Awarded
Since the December 14, 2018 Board of Trustees Meeting**

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
College of Science and Mathematics						
Basic Research						
Amendment Educ. Inst. Subagreement	Reducing Impacts of Disease on Salmonid Aquaculture Production	07/01/2017 06/30/2019	University of Toledo	Leaman, Douglas	\$144,000	These studies will utilize homologous in vitro systems (cell-lines and dendritic cells) to identify a host of factors involved in recognition and response pathways to viral infection in rainbow trout.
Amendment Federal Grant	Lapses of Attention Predicted in Semi- Structured Ecological Settings (LAPSES)	11/01/2015 12/31/2018	DoD, Office of Naval Research	Jovina, Ion	\$25,164	The aim of this project is to study the fundamental mechanisms of attention.
Amendment Non-Profit Subagreement	Human-Centered Science Laboratory (HCSL) Support of AFRL Activities	03/25/2018 09/24/2019	Wright State Applied Research Corporation	Schneider, Tamera	\$5,000	The purpose of the Human-Centered Science Laboratory (HCSL) is to support research and development activities to advance the mission of the Human Trust and Interaction Branch (711 HPW/RHXS), Human Insight and Trust (HIT) Team, to foster human-robot teaming, methods to calibrate trust, and methods to foster transparency in human-machine contexts.
Applied Research						
New Educ. Inst. Subagreement	Knauss Marine Policy Fellowship Application	02/01/2019 02/28/2020	Ohio State University	Hammerschmidt, Chad R.	\$61,500	The Knauss Fellowship provides a one-year educational experience in an executive or legislative branch office which expands the fellow's experience with, and knowledge of, the policy-making process within federal agencies and congressional committees dealing with marine and coastal issues.

**February 22, 2019
Wright State University
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Since the December 14, 2018 Board of Trustees Meeting**

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
New State Grant	Improving soil health to increase plant production and quality on dredged material	11/01/2018 06/30/2019	Ohio Environmental Protection Agency	Rua, Megan A.	\$49,990	The researchers will determine if use of a cover crop will increase the abundance, diversity, and function of beneficial soil microorganisms and quantify the rates of contaminants of concern (COC) in the cover crop and subsequent crop plantings as a function of microorganisms.

**February 22, 2019
Wright State University
Grants and Contracts Awarded
Since the December 14, 2018 Board of Trustees Meeting**

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
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Student Affairs

Applied Research

New Other Gov't. Contract	Analysis of ED/GE and Alternative Program Options	10/03/2018 03/31/2019	Montgomery County Community Development Office	Dustin, Jack L.	\$5,000	The researcher will identify weaknesses in the current ED/GE program and recommend changes. Recommended changes will be based on evidence from nine counties studied in the MCOFutures project.
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**February 22, 2019
Wright State University
Grants and Contracts Awarded
Since the December 14, 2018 Board of Trustees Meeting**

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
Universitywide						
Public Service						
Continuation State Subagreement	Support for Position of Senior Associate Director, SCTAI, FY2019	07/01/2018 06/30/2019	Ohio Department of Higher Education	Edwards, Sue	\$104,136	This position will be responsible for the operation and direct administrative functions of the Secondary Career-Technical Alignment Initiative of the Ohio Articulation and Transfer Network.
Continuation State Subagreement	Support for Position of Associate Director, SCTAI, FY2019	07/01/2018 06/30/2019	Ohio Department of Higher Education	Edwards, Sue	\$91,518	This position will be responsible for the implementation and communication functions of the Perkins-funded Secondary Career-Technical Alignment Initiative of the Ohio Articulation and Transfer Network.
New State Subagreement	Travel Support for Perkins SCTAI/CT2 Compliance, FY19	09/07/2018 06/30/2019	Ohio Department of Higher Education	Edwards, Sue	\$2,000	Funds awarded are to support Secondary Career-Technical Alignment Initiative staff travel for Perkins program-related compliance.
New State Subagreement	Support for OCTANE Activities	09/12/2018 06/30/2019	Ohio Department of Higher Education	Brun, Carl F.	\$1,250	To further the work of implementation of the secondary career technical alignment initiative, Wright State personnel will provide supportive effort for Ohio Career Technical Articulation Network Engagement (OCTANE) activities.
Student Aid						
Continuation Federal Grant	PELL Grant Program 2018/2019	04/01/2018 06/30/2019	U.S. Department of Education	Barnhart, Amy	\$8,595,158	These funds support PELL grants for students.

**February 22, 2019
Wright State University
Grants and Contracts Awarded
Since the December 14, 2018 Board of Trustees Meeting**

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
New Federal Grant	ACHIEVE: A Chance to Have and Improve the Experience and Value of Education	10/01/2018 09/30/2019	U.S. Department of Education	Martin, Bryan M.	\$194,816	The renewal project will continue to increase access to postsecondary education for low- income student parents through the provision of child care services at Mini University.

**February 22, 2019
Wright State University
Grants and Contracts Awarded
Since the December 14, 2018 Board of Trustees Meeting**

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
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VP for Curriculum and Instruction

Public Service

Continuation State Subagreement	Support for the Scaling Guided Pathways Grant Project	09/10/2018 06/30/2019	Ohio Department of Higher Education	Mustafa, Shoumi	\$33,942	The PI will provide effort to answer specific questions on aspects of transfer behavior and graduate rates of students attending (as first-time students) Ohio's public two-year institutions.
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**February 22, 2019
Wright State University
Grants and Contracts Awarded
Since the December 14, 2018 Board of Trustees Meeting**

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

Basic Research

Amendment	Adaptive Goal-Driven	12/01/2017	Lehigh University	Cox, Michael T.	\$100,000	The focus of this project is the automated learning and elicitation of knowledge needed for autonomous agents to operate robustly.
Educ. Inst.	Autonomous Agents	11/30/2019				
Subagreement						

Applied Research

Non-Profit	WSARC/WSRI Collaborative Project		Wright State Applied Research Corporation	Andersh, Dennis J.	\$3,303,519	This project denotes the portion of the FY19 WSARC funding portfolio recorded through the months of November and December 2018.
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Total Funded \$15,779,162