

**WRIGHT STATE UNIVERSITY
GRANT AND CONTRACT AWARDS**

**PREPARED FOR
BOARD OF TRUSTEES MEETING
May 1, 2015***

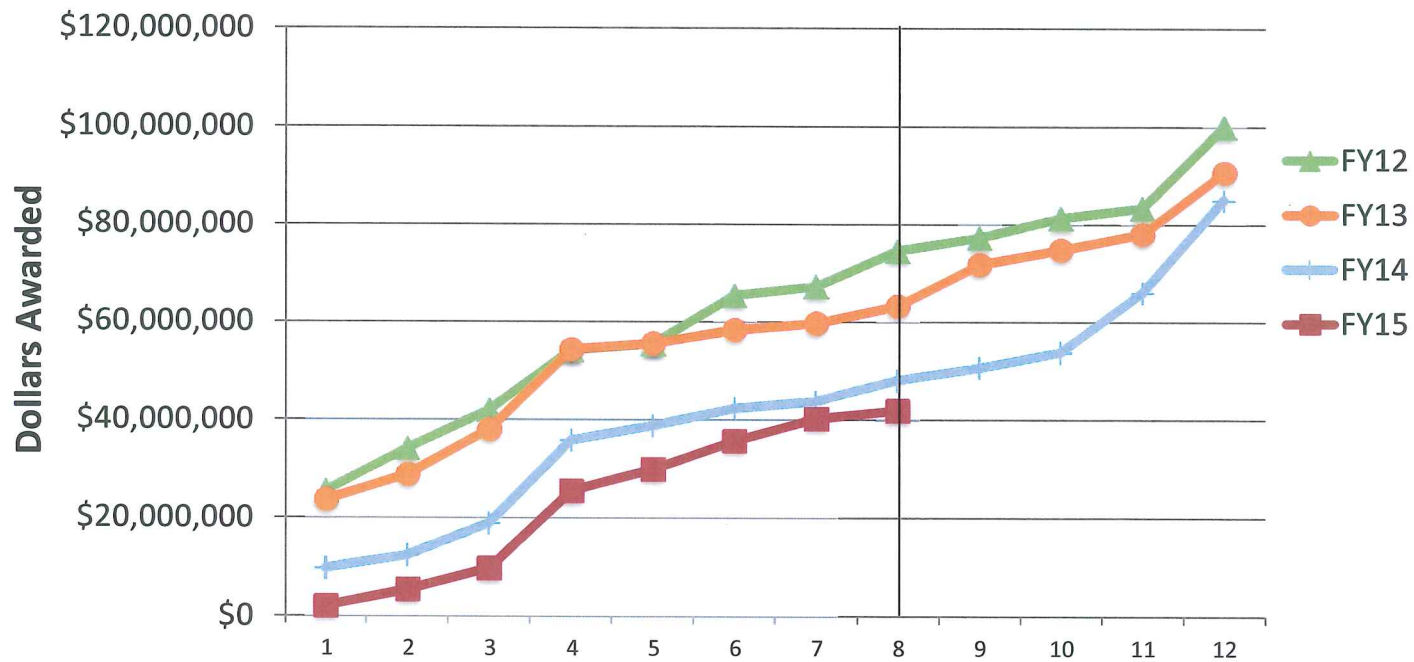
TYPE	NEW AWARDS		ONGOING AWARDS**		TOTAL AWARDS	
	Number	Dollars	Number	Dollars	Number	Dollars
Research	14	\$1,568,240	10	\$1,472,233	24	\$3,040,473
Instruction	1	\$30,000	1	\$60,332	2	\$90,332
Institutional Support	0		0		0	
Public Service	7	\$2,029,163	7	\$368,755	14	\$2,397,918
Student Aid	1	\$10,000	0	\$0	1	\$10,000
TOTAL	23	\$3,637,403	18	\$1,901,320	41	\$5,538,723

* Figures include total support for awards made since the February 2015 Board of Trustees Meeting.

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

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

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



Monthly Totals
(Financial Aid and OhioLINK included through February)
 FY15 through 2/28/15: \$41,942,920
 FY14 through 2/28/14: \$48,100,655
 FY13 through 2/28/13: \$63,355,105
 FY12 through 2/28/12: \$74,615,826

May 1, 2015
Wright State University
Grants and Contracts Awarded
Since the February 13, 2015 Board of Trustees Meeting

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
Boonshoft School of Medicine						
Basic Research						
Continuation Federal Grant	Synaptic Function: Effects of the Nerve Injury, and Altered Activity	03/01/2015 02/29/2016	DHHS, National Institute of Neurological Disorders and Stroke	Cope, Timothy C. Rich, Mark M. Fyffe, Robert E.W.	\$919,884	This program project proposal is a three project study with 2 CORES, dedicated to understanding how injury, regeneration, and alterations in neural activity affect synaptic network function and to explore the mechanisms that promote or impede recovery following nerve and muscle injury.
New Federal Grant	Mechanisms Underlying Excitability Regulation of Motoneuron Types in ALS	02/01/2015 02/01/2016	DHHS, National Institute of Neurological Disorders and Stroke	Elbasiouny, Sherif M. Fyffe, Robert E.W.	\$323,750	This project seeks to develop a fusion of experimental and computer simulation techniques to better analyze the complex disease mechanisms of amyotrophic lateral sclerosis (ALS).
New Non-Profit Subagreement	NMR-Based Urinary Metabolomics for Detection and Assessment of Jet Fuel Exposure in a Rat Model	12/01/2014 03/31/2015	Henry M. Jackson Foundation	Reo, Nicholas V.	\$45,458	The researcher will explore NMR-based urinary metabolomics for detection and assessment of jet fuel exposure in a rat model.
New Non-Profit Subagreement	NMR-Based Metabolomics in Aerospace Physiology and Toxicology Research	12/01/2014 03/31/2015	Henry M. Jackson Foundation	Reo, Nicholas V.	\$19,639	This study involves the investigation of neuroprotection and neurotropic factors against the adverse effects of sleep deprivation.

May 1, 2015
Wright State University
Grants and Contracts Awarded
Since the February 13, 2015 Board of Trustees Meeting

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
Applied Research						
New Industrial Contract	Efficacy, Immunogenicity, and Safety Study of Clostridium difficile Toxoid Vaccine in Subjects at Risk for C. difficile Infection	09/10/2013 09/30/2015	Sanofi Pasteur, Inc.	Pickoff, Arthur S. Wysong, Mark	\$100,625	The primary objective of this study is to assess the efficacy of the C. difficile vaccine in preventing the onset of symptomatic primary C. difficile infection (CDI) in adult subjects 50 or over who are at risk for CDI.
New Industrial Subagreement	Platelet-Oriented Inhibition in New TIA	09/30/2013 08/31/2015	EMMES Corporation	Jacobs, Bradley S. Wysong, Mark	\$57,050	A transient ischemic attack (TIA) is a transient episode of neurological dysfunction caused by focal brain, spinal cord, or retinal ischemia, without acute infarction. An ischemic stroke is a cerebral infarction. In POINT, eligibility is limited to brain TIAs and to minor ischemic strokes (with an NIH Stroke Scale [NIHSS] score less than or equal to 3).
New Industrial Contract	A Phase IIb, Randomized, Double- Blind, Placebo- Controlled Multi- Center Study Evaluating Antiviral Effect, Pharmacokinetics, Safety and Tolerability of GS-5806 in Hospitalized Adults with Respirator Syncytial Virus (RSV) Infection	11/17/2014 11/16/2016	Gilead Sciences, Inc.	Zoz, III, Donald F. Wysong, Mark	\$39,722	This study is a phase IIb, randomized, double-blind, placebo-controlled multi-center study evaluating antiviral effect, pharmacokinetics, safety and tolerability of the drug GS-5806 in hospitalized adults with respirator syncytial virus (RSV) infection.

**May 1, 2015
Wright State University
Grants and Contracts Awarded
Since the February 13, 2015 Board of Trustees Meeting**

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
Instruction						
New State Contract	Residency Traineeship Program for Psychiatric Residents in Dual Diagnosis - MI/DD	07/01/2014 06/30/2015	Ohio Department of Developmental Disabilities	Gentile, Julie P.	\$30,000	This funding will provide FY2015 funds for a faculty position for training in psychiatric services to the mentally disabled.
Public Service						
Continuation State Subagreement	Ohio's Coordinating Center of Excellence in Mental Illness/Developmental Disability	01/01/2015 12/31/2015	Ohio Developmental Disabilities Council	Gentile, Julie P.	\$75,000	This funding will continue the support of educational programs, community development, and clinical programs for individuals with intellectual disability and co-occurring mental illness.
New Other Gov't Grant	Montgomery County Poisoning Death Review, 2015	04/01/2015 03/31/2016	Public Health Dayton and Montgomery County	Carlson, Robert G. Daniulaityte, Raminta	\$21,730	The CITAR staff will compile and interpret multiple data sets provided by the Montgomery County Coroner's Office.
Supplement Federal Grant	Outpatient Substance Abuse/Mental Health Treatment in Montgomery County	10/01/2014 09/30/2015	U.S. Probation Office for the Southern District of Ohio	Ford, JoAnn Dunn, Kristen K.	\$1,400	CAM will provide substance abuse, mental health and sex offender treatment services for male and female federal clients who are alcohol and drug dependent, and/or suffer from psychiatric disorders.

**May 1, 2015
Wright State University
Grants and Contracts Awarded
Since the February 13, 2015 Board of Trustees Meeting**

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
College of Education and Human Services						
Public Service						
New State Grant	Increasing PAX in Montgomery County	07/01/2014 06/30/2015	Ohio Department of Mental Health and Addiction Services	Fruth, Jason D.	\$117,014	Wright State University and partners will expand the use of the PAX Good Behavior Game in Montgomery County schools.
New State Grant	Increasing PAX in Madison County and Springfield	07/01/2014 06/30/2015	Ohio Department of Mental Health and Addiction Services	Fruth, Jason D.	\$90,986	Wright State University and partners will expand the use of the PAX Good Behavior Game in Madison County and Springfield schools.
Supplement State Subagreement	Evaluation of Beginning Principal Mentoring Program Local Models	07/01/2014 06/30/2015	Ohio Department of Education	Lindsey, Jill L.	\$30,000	WSU personnel will evaluate the 2014-2015 implementation of principal mentoring programs.

May 1, 2015
Wright State University
Grants and Contracts Awarded
Since the February 13, 2015 Board of Trustees Meeting

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
College of Engineering and Computer Science						
Basic Research						
Continuation Industrial Agreement	Consumer Media Data Visualization and Analysis	01/01/2015 12/31/2015	Centum Business Labs Ltd.	Ganapathy, Subhashini	\$5,463	The PI will develop a comprehensive solution to collect, transform, analyze, organize and store individual's digital pictures and videos.
New Educ. Inst. Subagreement	MIDCA: A Metacognitive, Integrated Dual-Cycle Architecture for Self- Regulated Autonomy	08/01/2014 08/31/2015	University of Maryland	Cox, Michael T.	\$160,000	The goal of this project is to further develop a comprehensive theory of cognition and metacognition, construct a Metacognitive, Integrated Dual-Cycle Architecture, and apply an implementation of this architecture to the domain of robotic mission rehearsal.
New Educ. Inst. Subagreement	Assessing the Impact of Dwell and Multi- Axial Fatigue on Performance of Titanium Alloys	12/15/2014 12/15/2016	University of Dayton	Srinivasan, Raghavan	\$75,000	The researchers will conduct experiments to gather data and develop mathematical models to help understand the dwell fatigue phenomenon.
New Non-Profit Subagreement	High Impact Technologies	01/01/2015 12/31/2015	Dayton Area Graduate Studies Institute	Wolff, J. Mitch	\$46,000	The researchers will study the loss reduction techniques related to turbomachinery.
New Industrial Contract	Design of Bi-Plane Wind Turbine Blade with Houck's Concept	01/01/2015 12/31/2015	Iron Hawk Enterprises	Yang, Zifeng Menart, James A.	\$40,000	The objective of the project is to design and build a horizontal axis wind turbine model with Houck's bi-plane blades with curved flow guide, and to conduct experimental studies on the power output, wind load, and flow around the turbine blades in a low-speed wind tunnel at Wright State University.

May 1, 2015
Wright State University
Grants and Contracts Awarded
Since the February 13, 2015 Board of Trustees Meeting

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
New Industrial Subagreement	Turbine Engine Inlet Distortion Aeromechanical Investigation for AFRL/RQTI	01/21/2015 08/31/2016	Universal Technology Corporation	Wolff, J. Mitch	\$34,862	The purpose of this project is to identify and correlate key influence parameters to unsteady aerodynamic loading to help better understand and improve the designs for new turbine engines in aircraft against vibrational fatigue failure.
Supplement Educ. Inst. Subagreement	Collaborative Center in Multidisciplinary Sciences (CCMS)	02/05/2009 04/05/2016	Virginia Polytechnic Institute and State University	Grandhi, Ramana V.	\$22,140	The principal contributions to the project will be theoretical and applied research in multidisciplinary uncertainty analysis, with key applications targeted to improve the design and pace of development of 1) joined wing sensor aircraft, 2) flapping micro-air vehicles, and 3) supersonic long range strike aircraft.
Applied Research						
Continuation Industrial Contract	Investigation of Elevated Temperature Deformation Behavior of Titanium Alloys	01/05/2015 12/31/2015	RTI International Metals, Inc.	Srinivasan, Raghavan	\$33,000	This collaborative research between WSU and RTI will make use of the high temperature deformation test facility at WSU to study the elevated temperature deformation behavior of titanium alloys.
Student Aid						
New State Subagreement	Minority Engineering Mentorship Program	01/01/2015 12/31/2015	Ohio Space Grant Consortium	Watkins, Kera Z.	\$10,000	The goal of this mentoring program is to increase the number of under-represented students receiving college degrees in engineering and computer science.

**May 1, 2015
Wright State University
Grants and Contracts Awarded
Since the February 13, 2015 Board of Trustees Meeting**

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
College of Liberal Arts						
Public Service						
Amendment Non-Profit Contract	CAARE for Daycare Professionals	01/01/2015 06/30/2015	Think TV Network	Murray, Carol S.	\$2,500	CUPA will provide data entry, collection of post workshop evaluations, and final report.
New Other Gov't. Contract	Comprehensive Neighborhood Initiative (CNI)	07/01/2014 12/31/2014	Montgomery County Family and Children First Council	Subban, Jennifer	\$1,700	PI provided support to Montgomery County's Comprehensive Neighborhood Initiative.

May 1, 2015
Wright State University
Grants and Contracts Awarded
Since the February 13, 2015 Board of Trustees Meeting

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
College of Science and Mathematics						
Basic Research						
Amendment Industrial Subagreement	Predictors of Trust/Suspicion in Automation	05/01/2013 09/30/2015	Systems Research and Applications International	Bowling, Nathan A.	\$108,628	The WSU research team will develop and test a conceptual model identifying likely predictors of trust/suspicion in automation.
Amendment Educ. Inst. Subagreement	Characterizing Placebo Response to Active Treatment Using Very High Dimensional Data	02/01/2013 11/30/2015	New York University School of Medicine	Tarpey, Thaddeus	\$91,162	The WSU researcher will assist the NYU PI in developing statistical methodologies directed to the goal of characterizing placebo response to active treatment.
Amendment Industrial Contract	Ground Water Protection Program 2015	01/01/2015 12/31/2015	Cemex	Ritzi, Jr., Robert W.	\$9,871	The Principal Investigator will continue the research aimed at monitoring and interpreting the natural variability of the ground water system within, and adjacent to, future quarry sites.
Amendment Educ. Inst. Subagreement	III-N Devices and Architectures for THz Electronics	06/01/2011 05/31/2015	University of Notre Dame	Brown, Elliott	\$7,238	The high-level objective of the researchers is to develop a new device measurement and characterization capability at frequencies above 500 GHz where existing vector network analysis techniques are non-existent.
Continuation Federal Grant	Rhesus Model for Proinflammatory Influences on Depression	12/01/2014 11/30/2015	DHHS, National Institute of Mental Health	Hennessy, Michael B.	\$174,847	The WSU researcher will develop a practical, non-human primate model to help determine if activation of the immune system resulting from social disruption contributes to depressive-like behavior, and if persisting characteristics of individuals can predict who is most vulnerable to these effects.

May 1, 2015
Wright State University
Grants and Contracts Awarded
Since the February 13, 2015 Board of Trustees Meeting

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
New Federal Grant	Isoform-Specific Regulation of the Coxsackie and Adenovirus Receptor in Polarized Epithelia	01/15/2015 12/31/2017	DHHS, National Institute of Allergy and Infectious Diseases	Excoffon, Katherine	\$444,000	The goal of this project is to provide insight into susceptibility to viral infections, and develop strategies both for prevention of virus infection and facilitation of adenovirus-mediated gene therapy for the treatment of inherited and acquired respiratory diseases.
Applied Research						
New Industrial Contract	Terahertz Imaging – Developing Non-Invasive 3D Imaging of Paper Product Fit and Fluid Distribution on Consumers	10/01/2014 06/30/2015	Procter & Gamble Company	Deibel, Jason A. Petkie, Douglas T.	\$29,884	The research team will preform non-destructive characterization of diapers and their constituent materials (dry and wet) using terahertz imaging techniques.
Instruction						
Renewal State Subagreement	Science Teaching for Ohio's New Economy (STONE)	01/20/2015 05/31/2016	Ohio Board of Regents	Slattery, William Lunsford, Suzanne K.	\$60,332	Project STONE is a long-term, professional development program designed to increase the integrated science content, pedagogical, and technological knowledge of teams of middle and high school teachers in the Fairborn City School District and the Archdiocese of Columbus Schools.

May 1, 2015
Wright State University
Grants and Contracts Awarded
Since the February 13, 2015 Board of Trustees Meeting

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
------	-------	----------	---------	-----------------	--------	----------

Raj Sooin College of Business

Public Service

Amendment State Contract	Small Business Development Center	10/01/2014 09/30/2015	Ohio Development Services Agency	Gregorich, Earl	\$118,950	These funds will be used to support Region 4 of the SBDC Consortium from October 1, 2014 to September 30, 2015.
Amendment State Contract	Small Business Development Center	10/01/2014 09/30/2015	Ohio Development Services Agency	Gregorich, Earl	\$52,955	These added funds will be used to support the Center's creation of an independent SBDC center responsible for delivering services to small business owners throughout the state via digital media by compiling the resources currently distributed across the entire Ohio SBDC network.
Continuation State Contract	Small Business Development Center	10/01/2014 09/30/2015	Ohio Development Services Agency	Gregorich, Earl	\$87,950	These funds will be used to support Region 4 of the SBDC Consortium from October 1, 2014 to September 30, 2015.

**May 1, 2015
Wright State University
Grants and Contracts Awarded
Since the February 13, 2015 Board of Trustees Meeting**

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
------	-------	----------	---------	-----------------	--------	----------

Universitywide

Basic Research

Continuation Federal Contract	Neuroscience and Medical Imaging	12/20/2010 12/30/2015	DoD, Air Force, Air Force Research Laboratory	Narayanan, Sundaram	\$100,000	The WSRI/HPC team will support the Air Force's evolving Air, Space, and Cyberspace mission by enhancing cognitive assessment techniques, developing and transitioning computational cognitive models, and refining techniques for cognitive performance enhancement.
-------------------------------------	-------------------------------------	--------------------------	---	---------------------	-----------	--

May 1, 2015
Wright State University
Grants and Contracts Awarded
Since the February 13, 2015 Board of Trustees Meeting

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
------	-------	----------	---------	-----------------	--------	----------

VP for Research and Dean of the Graduate School

Applied Research

New Industrial Contract	ShadowBox	10/01/2014 09/30/2015	Center for Operator Performance	Parker, Jason G.	\$152,250	The researchers will address unanswered questions in the use of the ShadowBox technique to capture tacit knowledge of experts and train novice FCC board operators.
-------------------------------	-----------	--------------------------	------------------------------------	------------------	-----------	---

Public Service

New Non-Profit Subagreement	Wright Brothers Institute Operations	10/01/2014 06/30/2017	Wright Brothers Institute, Inc.	Parker, Jason G.	\$1,767,733	Wright State University will provide personnel to manage and assist in the operations of the Wright Brother Institute.
New Federal Agreement	Provision of Emergency Management Expertise - IPA	09/22/2014 09/21/2015	Veterans Affairs Medical Center	Gruenberg, James	\$15,000	NCMR personnel will design and deliver a set of curricula on emergency management concepts to staff at the Dayton VA Medical Center.
New Federal Agreement	Provision of Emergency Management Expertise - IPA	09/22/2014 09/21/2015	Veterans Affairs Medical Center	Smith, Jack E.	\$15,000	NCMR personnel will design and deliver a set of curricula on emergency management concepts to staff at the Dayton VA Medical Center.

Total Funded \$5,538,723