



**WRIGHT STATE
UNIVERSITY**

Research and Sponsored Programs
3640 Colonel Glenn Hwy.
Dayton, OH 45435

Main (937) 775-2425
rsp@wright.edu

Date: January 29, 2021

To: Fran Keeley

From: Sheila Bensman

RE: February 2021 Board of Trustees Report

Research and Sponsored Programs has been asked to provide a statement for the minutes of the February 2021 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:

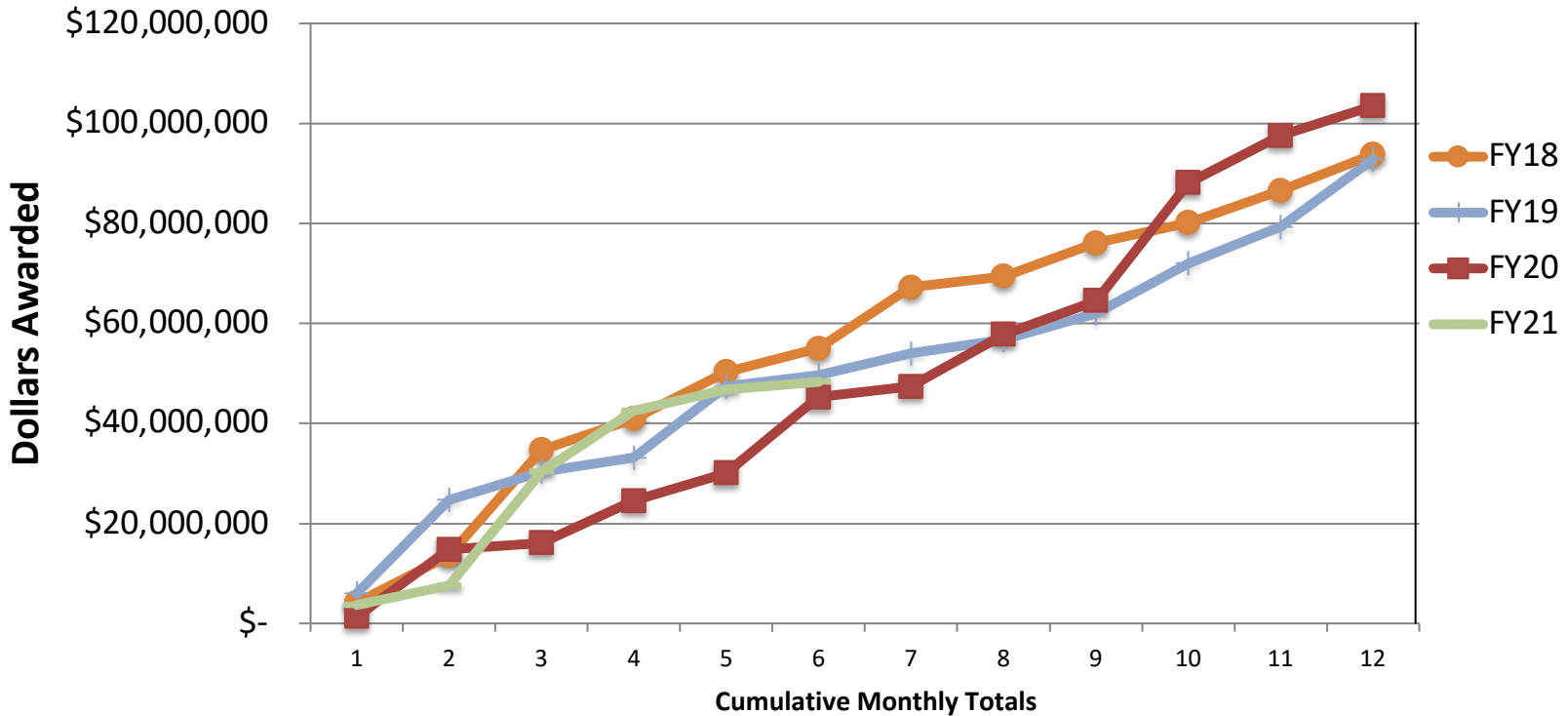
Wright State University has recorded 177 awards totaling \$48,304,526 in external funding for the time period of July 1, 2020 – December 31, 2020.

Recent funding received by the University includes a combined total of \$172,180 from Butler, Champaign, Miami, Preble, and Warren County General Health Districts to Dr. Marietta Orłowski (Department of Population and Public Health Sciences) to hire students to provide case investigation and COVID-19 contact tracing for those Health Departments.

If you have any questions, please contact me at sheila.bensman@wright.edu.

WRIGHT STATE UNIVERSITY

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



FY21 through 12/31/20: \$48,304,526
FY20 through 12/31/19: \$45,247,402
FY19 through 12/31/18: \$49,647,404
FY18 through 12/31/17: \$54,996,444

**WRIGHT STATE UNIVERSITY
GRANT AND CONTRACT AWARDS**

**PREPARED FOR
BOARD OF TRUSTEES MEETING
February 19, 2021***

TYPE	NEW AWARDS		ONGOING AWARDS**		TOTAL AWARDS	
	Number	Dollars	Number	Dollars	Number	Dollars
Research	10	\$327,447	11	\$1,462,363	21	\$1,789,810
Instruction	1	\$46,340	2	\$189,250	3	\$235,590
Institutional Support	2	\$2,863,517	1	\$1,000	3	\$2,864,517
Public Service	5	\$234,620	10	\$638,561	15	\$873,181
Student Aid	1	\$21,000	3	\$34,700	4	\$55,700
TOTAL	19	\$3,492,924	27	\$2,325,874	46	\$5,818,798

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

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

This report was prepared by the Office of Research and Innovation.

February 19, 2021
Wright State University
Grants and Contracts Awarded
Since the December 11, 2020 Board of Trustees Meeting

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

Boonshoft School of Medicine

Basic Research

Amendment Federal Contract	Dayton VA Medical Center IPA Agreement - Anita Thyagarajan	10/01/2020 12/31/2020	Veterans Affairs Medical Center	Thyagarajan-Sahu, Anita	\$15,669	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.
Amendment Federal Contract	Dayton Dayton VA Medical Center IPA Agreement - Christina Elise BorchersVA Medical Center IPA Agreement - Christina Elise Borchers	10/01/2020 12/31/2020	Veterans Affairs Medical Center	Borchers, Christina E.	\$9,819	The PI will be involved in growing and maintaining kartinocyte cell lines and measuring cytokines from murine tissues using ELISA.
New Industrial Grant	Placental Exosomes Induce Pathophysiological Symptoms of Preeclampsia	12/04/2020 12/03/2021	AMAG Pharmaceuticals	Brown, Thomas L. Bihl, Ji Chen Maxwell, Rose A.	\$50,000	This work will significantly improve our understanding of preeclampsia etiology and will identify a signaling mechanism integral to the generation of preeclampsia that could be utilized for the development of targeted, novel therapeutics.
New Federal Contract	Dayton Veterans Affairs Medical Center IPA Agreement	10/01/2020 12/31/2020	Veterans Affairs Medical Center	Rapp, Christine M.	\$12,661	The PI will be assisting in growing keratinocytes and measuring cytokines from cell and murine tissues.

Applied Research

New Industrial Contract	CTRA - MIGRAINE	01/14/2020 12/31/2022	Amgen, Inc.	Kim, Richard J	\$83,743	CTRA - MIGRAINE
-------------------------------	-----------------	--------------------------	-------------	----------------	----------	-----------------

**February 19, 2021
Wright State University
Grants and Contracts Awarded
Since the December 11, 2020 Board of Trustees Meeting**

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
New Industrial Subagreement	CTRA - TRIUMPH	03/31/2020 12/31/2024	Outcome Sciences, LLC	Kim, Richard J	\$59,011	CTRA - TRIUMPH
New Non-Profit Subagreement	A Histamine Pharmacodynamic Biomarker to Guide Treatment in Pediatric Asthma	06/05/2020 05/31/2021	Children's Mercy Kansas City	Turner Sherwin, Catherine M	\$11,373	The researchers will determine the relationship between histamine pharmacodynamic response type as measured by Histamine Iontophoresis with laser Doppler monitoring (HILD) and therapeutic response to an antihistamine among children with allergic asthma.
Instruction						
Continuation Other Gov't. Contract	Child Psychiatric Placements	07/01/2020 06/30/2021	Montgomery County ADAMH Services Board	Mast, Ryan C.	\$150,000	The researchers will provide support for the training of two residents (fellows) in Child and Adolescent Psychiatry.
Public Service						
Amendment State Grant	Ohio's Telepsychiatry Project	07/01/2020 06/30/2021	Ohio Department of Developmental Disabilities	Gentile, Julie P. Cowan, Allison Harper, Bethany L. Mast, Ryan C. Gainer, Danielle M Harper, Kari S	\$225,000	The researchers will expand the existing telepsychiatry program to serve Medicaid-eligible individuals with intellectual disability and co-occurring mental illness throughout Ohio.
Amendment Other Gov't. Agreement	Supplemental Contact Tracing - Butler County General Health District	09/05/2020 12/30/2020	Butler County General Health District	Orlowski, Marietta A.	\$30,000	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.

**February 19, 2021
Wright State University
Grants and Contracts Awarded
Since the December 11, 2020 Board of Trustees Meeting**

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
Amendment Other Gov't. Subagreement	Supplemental Contact Tracing - Preble County Public Health	09/14/2020 12/30/2020	Preble County General Health District	Orlowski, Marietta A.	\$10,150	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.
Continuation State Subagreement	GPRA Training, Data Collection and Reporting for the Ohio State Opioid Response (SOR) Project	09/29/2020 11/29/2020	Ohio Department of Mental Health and Addiction Services	Kinzeler, Nicole	\$123,087	WSU SARDI will assist with the Ohio State Opiate Response (SOR) Project by providing GPRA training, data collection, and drafting reports.
Continuation Other Gov't. Subagreement	Supplemental Contact Tracing - Warren County Health District	01/02/2021 03/31/2021	Warren County Health District	Orlowski, Marietta A.	\$37,898	Wright State University Population and Public Health Sciences will hire students to provide case investigation and contact tracing for Warren County Health District from November to the end of December 2020.
Continuation Other Gov't. Subagreement	Project Save Evaluation	10/01/2020 09/30/2021	Montgomery County ADAMH Services Board	Kinzeler, Nicole Paton, Sara J.	\$35,000	Wright State University will provide evaluation and reporting for the SAMHSA funded Project Save Grant.
Continuation Other Gov't. Subagreement	Supplemental Contact Tracing - Miami County Combined Health District	01/02/2021 03/31/2021	Miami County Health District	Orlowski, Marietta A.	\$32,657	Wright State University Population and Public Health Sciences will hire students to provide case investigation and contact tracing for Miami County Health District from November to the end of December 2020.
Continuation Other Gov't. Subagreement	Supplemental Contact Tracing - Champaign Health District	01/02/2021 01/31/2021	Champaign Health District	Orlowski, Marietta A.	\$3,481	Wright State University Population and Public Health Sciences will hire students to provide case investigation and contact tracing for Champaign Health District from thru March 2021

February 19, 2021
Wright State University
Grants and Contracts Awarded
Since the December 11, 2020 Board of Trustees Meeting

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
New Educ. Inst. Subagreement	The Ohio COVID-19 Schools Evaluation (OCSE)	11/02/2020 01/31/2021	Ohio State University	Turner Sherwin, Catherine M	\$171,627	The researchers will travel to local school districts to conduct COVID testing of students and contact tracing.
New Other Gov't. Subagreement	Supplemental Contact Tracing - Warren County Health District	11/09/2020 12/30/2020	Warren County Health District	Orlowski, Marietta A.	\$31,234	Wright State University Population and Public Health Sciences will hire students to provide case investigation and contact tracing for Warren County Health District from November to the end of December 2020.
New Other Gov't. Subagreement	Supplemental Contact Tracing - Miami County Combined Health District	11/16/2020 12/30/2020	Miami County Health District	Orlowski, Marietta A.	\$16,820	Wright State University Population and Public Health Sciences will hire students to provide case investigation and contact tracing for Miami County Health District from November to the end of December 2020.
New Other Gov't. Agreement	Supplemental Contact Tracing - Champaign Health District	10/17/2020 12/31/2020	Champaign Health District	Orlowski, Marietta A.	\$9,940	Wright State University Population and Public Health Sciences will hire students to provide case investigation and contact tracing for Champaign Health District from October to December 2020.

February 19, 2021
Wright State University
Grants and Contracts Awarded
Since the December 11, 2020 Board of Trustees Meeting

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
College of Engineering and Computer Science						
Basic Research						
Amendment Federal Contract	SIRCUS TO2: Comprehensive Learning Objectives for Warfighter Needs (CLOWN)	03/31/2016 01/04/2021	DoD, Air Force, Air Force Research Laboratory	Rigling, Brian D. Palmer, Luther R. Garber, Fred D. Saville, Michael Shaw, Arnab K. Wischgoll, Thomas	\$500,000	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 Federal Contract	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.	\$493,000	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 Educ. Inst. Subagreement	SCH: INT: Collaborative Research: Development and Analysis of Integrative Models for Chronic Pain	09/01/2020 08/31/2021	Northwestern University	Banerjee, Tanvi	\$82,473	The researchers will develop new mathematical and statistical models for the dynamics of subjective pain in patients suffering from chronic pain.
Amendment Federal Contract	Synthesis, Exploitation, Analysis, and Belief for Autonomous Sensor Systems (SEABASS)	05/07/2019 08/10/2022	DoD, Air Force, Air Force Research Laboratory	Rigling, Brian D.	\$36,500	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.
Continuation Industrial Subagreement	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

**February 19, 2021
Wright State University
Grants and Contracts Awarded
Since the December 11, 2020 Board of Trustees Meeting**

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
New Industrial Subagreement	Open analytics platform and data repository for multi- sensor in situ monitoring	11/18/2020 05/14/2021	Open Additive, LLC	Gockel, Joy E.	\$40,000	The researchers will fabricate and analyze material while collecting in situ process monitoring data.
New Industrial Subagreement	2020-2021 Aerospace Propulsion Outreach Program (APOP)	08/31/2020 03/26/2021	ARCTOS Technology Solutions, LLC	Wolff, J. Mitch	\$9,800	The goal of this project is to design a new inlet that ducts the flow from a single inlet that is 6 inches from the centerline of the JetCat engine.
Applied Research						
Supplement Educ. Inst. Subagreement	Development and Analysis of New Mathematical and Statistical Models for Chronic Pain and Stress in Caregivers of Persons with Dementia	09/01/2020 08/31/2021	Northwestern University	Banerjee, Tanvi	\$205,875	The researchers will build on the existing project to measure pain in sickle cell disease and expand the framework to measure stress and chronic pain in caregivers of persons with dementia.
Instruction						
Amendment Educ. Inst. Subagreement	The Ohio LSAMP Alliance	08/01/2020 07/31/2021	Ohio State University	Klingbeil, Nathan W.	\$39,250	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.

**February 19, 2021
Wright State University
Grants and Contracts Awarded
Since the December 11, 2020 Board of Trustees Meeting**

Type	Title	Duration	Sponsor	Investigator(s)	Amount	Abstract
College of Science and Mathematics						
Basic Research						
Amendment Educ. Inst. Subagreement	MAVEN Extended Mission Phase E	07/01/2011 12/15/2022	University of Colorado	Fox, Jane Lee	\$22,000	The WSU Principal Investigator will participate in additional activities during Phase E for the Mars Atmosphere and Volatile Evolution (MAVEN) mission.
Continuation Non-Profit Subagreement	Developing statistical methods for analyzing somatic mutations	09/01/2020 08/31/2021	Fred Hutchinson Cancer Research Center	Liu, Yang	\$23,755	The researchers propose a statistical framework for investigating the association between multiple traits and high dimensional genomic features.
New Educ. Inst. Subagreement	Impact of Rad- mediated inhibition of Cav1.1 on muscle composition and contractile function	08/01/2020 05/31/2021	University of Maryland	Voss, Andrew A.	\$45,000	The purpose of this project is to investigate the broader consequences of elevated Rad expression in skeletal muscle.
New Educ. Inst. Subagreement	Ohio Sea Grant Omnibus 18-22: Creating a Website for the Lake Erie and Aquatic Research Network	11/15/2020 11/14/2021	Ohio State University	Newell, Silvia Elena	\$10,000	The Lake Erie and Aquatic Research Network needs a new website. This funding will solely and completely be used to hire a web designer.
New Educ. Inst. Subagreement	H2Ohio Wetland Monitoring Program - Silvia Newell Wright State	06/22/2020 06/30/2021	Ohio State University	Newell, Silvia Elena McCarthy, Mark J.	\$5,859	The researchers will evaluate different types of wetlands and likely advise potential future wetland locations.

**February 19, 2021
Wright State University
Grants and Contracts Awarded
Since the December 11, 2020 Board of Trustees Meeting**

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

Lake Campus

Applied Research

Amendment Non-Profit Grant	Nutrient and Sediment Retention Potential of Treatment Trains in Grand Lake St. Marys Watershed	01/01/2021 12/31/2021	St. Marys Community Foundation	Jacquemin, Stephen James	\$33,272	Through this project, the PI will assess the efficacy of two flow through wetland treatment train systems to reduce nutrient and sediment loads prior to discharge into waters of the state.
----------------------------------	---	--------------------------	--------------------------------------	-----------------------------	----------	--

**February 19, 2021
Wright State University
Grants and Contracts Awarded
Since the December 11, 2020 Board of Trustees Meeting**

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

Library

Public Service

New	Wright Brothers in	01/01/2021	State Library of	Wildermuth, Jane	\$4,999	The researchers will update, correct and add metadata to the Wright Brothers in Photographs Collection in CORE Scholar. As a result of the metadata remediation, the collection will meet required standards for inclusion in the Digital Public Library of America.
State	Photographs	09/30/2021	Ohio			
Grant	Metadata Remediation					
	Project					

**February 19, 2021
Wright State University
Grants and Contracts Awarded
Since the December 11, 2020 Board of Trustees Meeting**

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

School of Professional Psychology

Public Service

Continuation Other Gov't. Subagreement	Parents Early Childhood Education - Positive Action Choices Training (PECE-PACT)	07/01/2020 06/30/2021	Montgomery County ADAMH Services Board	Warfield, Janeece	\$79,288	The researchers will continue to provide a comprehensive range of services to Head Start youngsters and their families in order to develop child and parent resiliency skills.
Continuation Other Gov't. Contract	SOPP Clinical Traineeship	07/01/2020 06/30/2021	Montgomery County ADAMH Services Board	Cigrang, Jeffrey A.	\$62,000	This practicum traineeship program is designed to provide SOPP doctoral students with experience in working with people who are severely mentally disabled, with children who are severely emotionally disturbed, and with those persons who are substance abusers.

Student Aid

Amendment Educ. Inst. Contract	SOPP Practicum: University of Cincinnati FY2021	07/01/2020 06/30/2021	University of Cincinnati	Cigrang, Jeffrey A.	\$4,300	The sponsor will provide direct client services training for one SOPP practicum student.
Continuation Industrial Contract	SOPP Practicum Training: Central Clinic: 2020-2021	07/01/2020 06/30/2021	Central Clinic	Cigrang, Jeffrey A.	\$16,000	SOPP Practicum Training: Central Clinic: 2020-2021
Continuation Non-Profit Contract	SOPP Practicum: Community Health Centers of Greater Dayton 2020-2021	07/01/2020 06/30/2021	Community Health Centers of Greater Dayton	Cigrang, Jeffrey A.	\$14,400	The sponsor will provide direct and indirect client services training for 4 doctoral students.
New Non-Profit Contract	SOPP Practicum: Hillcrest Academy 2020-2021	07/01/2020 06/30/2021	Hillcrest Academy	Cigrang, Jeffrey A.	\$21,000	The sponsor will support the training of 3 doctoral students placed at the Facility during this training year.

**February 19, 2021
Wright State University
Grants and Contracts Awarded
Since the December 11, 2020 Board of Trustees Meeting**

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

Student Affairs

Institutional Support

New State Subagreement	CARES Act - Coronavirus Relief Fund for Ohio Higher Ed Mental Health Support	03/01/2020 12/30/2020	Ohio Department of Higher Education	Rando, Robert A.	\$136,940	This award supports costs incurred by WSU as a result of the COVID-19 mental health emergency; to address the backlog of students needing mental health services.
------------------------------	--	--------------------------	---	------------------	-----------	---

**February 19, 2021
Wright State University
Grants and Contracts Awarded
Since the December 11, 2020 Board of Trustees Meeting**

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

Universitywide

Institutional Support

New State Subagreement	CARES Act CRF Supplement-WSU	03/01/2020 12/31/2021	Ohio Department of Higher Education	Kawosa, Burhan	\$2,726,577	This award supports supplemental costs incurred by WSU as a result of the COVID-19 public health emergency.
New Non-Profit	Campus Vote Project	09/22/2020 05/31/2021	Campus Vote Project	Hannah, Lee	\$1,000	The Campus Vote Project Mini-Grant promotes voter engagement on college campuses.

**February 19, 2021
Wright State University
Grants and Contracts Awarded
Since the December 11, 2020 Board of Trustees Meeting**

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

VP for Research and Dean of the Graduate School

Instruction

New Federal Contract	United States Air Force School of Aerospace Medicine (USAFSAM) CBRNE Training Classes	10/01/2020 09/30/2021	DoD, Air Force, Air Force Research Laboratory	Harchick, William M.	\$46,340	The researchers will provide Chemical, Biological, Radioactive, Nuclear, and Explosive (CBRNE) training for Military physicians.
----------------------------	---	--------------------------	---	----------------------	----------	--

Total Funded \$5,818,798